

State of Wisconsin Department of Natural Resources P.O. Box 7921, Madison, WI 53707-7921

## **GIS REGISTRY (Cover Sheet)**

Form 4400-280 (R 6/13)

Source Prope	rty Information	CLOSURE DATE: 06/27/2013
BRRTS #:	03-49-234619	(No Dashes)
ACTIVITY NAME:	HANSON ELECTRIC	FID #: NA
PROPERTY ADDRESS	: 613 HWY 35	DATCP #: NA
MUNICIPALITY:	OSCEOLA	PECFA#: 54020404513
PARCEL ID #:	022-01111-0000	
	*WTM COORDINATES:	WTM COORDINATES REPRESENT:
X:	<b>308403</b> Y: <b>539670</b>	<ul> <li>Approximate Center Of Contaminant Source</li> </ul>
E	* Coordinates are in WTM83, NAD83 (1991)	○ Approximate Source Parcel Center
Please check as appro	priate: (BRRTS Action Code)	)
	CONTIN	IUING OBLIGATIONS
Contaminate	d Media for Residual C	ontamination:
Groundwater	Contamination > ES (236)	$\boxtimes$ Soil Contamination > *RCL or **SSRCL (232)
Contami	nation in ROW	Contamination in ROW
Cff-Sour	ce Contamination	Off-Source Contamination
( <b>note:</b> for list see "Impacte	t of off-source properties d Off-Source Property Information	( <i>note:</i> for list of off-source properties n, see "Impacted Off-Source Property Information, Form 4400.246".)

$\square$	Soil:	maintain	industrial	zoning	(220)
				-	• •

(*note:* soil contamination concentrations between non-industrial and industrial levels)

Structural Impediment (224)

Site Specific Condition (228)

	Cover	or	Barrier	(222)	)
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Direct Contact

- Soil to GW Pathway
- Vapor Mitigation (226)

Maintain Liability Exemption (230)

(**note:** local government unit or economic development corporation was directed to take a response action )

#### Comments:

# **Monitoring Wells:**

Are all monitoring wells properly abandoned per NR 141? (234)

⊖Yes ⊖No ●N/A

\* Residual Contaminant Level \*\*Site Specific Residual Contaminant Level

State of Wisconsin Department of Nat http://dnr.wi.gov	ural Resources	PLEASE ASSEMB	LE IN THIS ORDER		<b>GIS Registr</b> Form 4400-245	<b>y Checklist</b> (R 8/11)	Page 1 of 3
This Adobe Fillable Form 4400-202, Ca: time based on the i	form is intended to se Closure Request nformation that ha	o provide a list of inform . The closure of a case m is been submitted to the	ation that is required leans that the Depar Department.	l for evalu tment ha	lation for case closur s determined that no	e. It is to be used in o further response is	conjunction with required at that
NOTICE: Complete including cases do: are completed on t not the Departmen and determining the Open Records law [	ion of this form is sed under ch. NR 74 his form and the ch t's intention to use ne need for addition (ss. 19.31 - 19.39, W	mandatory for applicat 46 and ch. NR 726. The I osure fee and any other any personally identifia onal response action. <b>1</b> is. Stats.].	ions for case closure Department will not applicable fees, requ ble information fron 'he Department ma	pursuant consider, uired unden this form y provide	to ch. 292, Wis. Stats or act upon your app er ch. NR 749, Wis. Ac 1 for any purpose oth this information to	and ch. NR 726, Wi blication, unless all a lm. Code, Table 1 are ner than reviewing cl requesters as requi	s. Adm. Code, oplicable sections e included. It is osure requests red by Wisconsin's
BRRTS #:	03-49-234619	(No Dashes)	PARCEL ID #:	022-011	11-0000		
ACTIVITY NAME:	Hanson Electric	· · · · · · · · · · · · · · · · · · ·	**********	v	VTM COORDINATE	S: X: 308402	Y: 539675
CLOSURE DOC	UMENTS (the [	epartment adds th	ese items to the	final GIS	packet for postir	ng on the Registr	<u>у)</u>
Closure Lett Maintenanc Continuing Conditional	er e Plan (if activity Obligation Cove Closure Letter f Completion (C	is closed with a land us i <b>r Letter</b> (for property <b>OC)</b> (for VPLE sites)	e limitation or cond owners affected b	dition (la oy residu:	nd use control) und al contamination a	er s. 292.12, Wis. Sto nd/or continuing o	ats.) bbligations)
SOURCE LEGA	LDOCUMENTS						
☑ Deed: The m for other, off Note: If a pro which includ documentation	oost recent deed source (off-site) pperty has been p es the legal descr on of the property	as well as legal descr properties are located urchased with a land c iption shall be submit transfer should be sub	iptions, for the <b>So</b> in the <b>Notificatio</b> contract and the pu- ted instead of the mitted along with t	urce Pro n section irchaser i most re the most	perty (where the n. has not yet received cent deed. If the p recent deed.	contamination ori a deed, a copy of property has been i	ginated). Deeds the land contract inherited, written
Certified Sum           where the leg           platted prop	r <b>vey Map:</b> A cop al description in ti erty (e.g. lot 2 of 2	y of the certified surv he most recent deed rea kyz subdivision)).	ey map or the rele <sup>.</sup> fers to a certified su	vant sect rvey map	ion of the recorded or a recorded plat	d plat map fo <i>r thos map</i> . (lots on subc	e properties livided or
Figure #: 37	76026 Titl	e: Polk County Certi	fied Survey Map	No. 360			
Signed State description a	ement: A statem ccurately describ	ent signed by the Res s the correct contan	ponsible Party (RP ninated property.	), which	states that he or sh	ne believes that the	e attached legal

### MAPS (meeting the visual aid requirements of s. NR 716.15(2)(h))

Maps must be no larger than 11 x 17 inches unless the map is submitted electronically.

**Location Map:** A map outlining all properties within the contaminated site boundaries on a U.S.G.S. topographic map or plat map in sufficient detail to permit easy location of all parcels. If groundwater standards are exceeded, include the location of all potable wells within 1200 feet of the site.

**Note:** Due to security reasons municipal wells are not identified on GIS Packet maps. However, the locations of these municipal wells must be identified on Case Closure Request maps.

#### Figure #: Title: Site Location Map

**Detailed Site Map:** A map that shows all relevant features (buildings, roads, individual property boundaries, contaminant sources, utility lines, monitoring wells and potable wells) within the contaminated area. This map is to show the location of all contaminated public streets, and highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding a ch. NR 140 Enforcement Standard (ES), and/or in relation to the boundaries of soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Levels (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.

### Figure #: Title: Site Layout Map

Soil Contamination Contour Map: For sites closing with residual soil contamination, <u>this map is to show the location of all</u> <u>contaminated soil and a single contour</u> showing the horizontal extent of each area of contiguous residual soil contamination that exceeds a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL) as determined under s. NR 720.09, 720.11 and 720.19.

Figure #: Title: Soil Contamination Map - Close up

State of W Departme http://dr	/isconsin ent of Natural Resources nr.wi.gov	5	GIS Registry Checklist Form 4400-245 (R 8/11) Page 2 of 3
BRRTS #	t: 03-49-234619	ACTIVITY NAME:	lanson Electric
MAPS (	(continued)		
K Geo Resid ch. N piez	<b>logic Cross-Section</b> dual Contaminant Le NR 140 Enforcement S ometric elevations, a	<b>Map:</b> A map showing the source location and vertica vel (RCL) or a Site Specific Residual Contaminant Lev Standard (ES) when closure is requested, show the so nd locations and elevations of geologic units, bedroo	al extent of residual soil contamination exceeding a el (SSRCL). If groundwater contamination exceeds a ource location and vertical extent, water table and ck and confining units, if any.
Figu	ure #:	Title: Geologic Cross Section Map - Close up	
Figu	ure #:	Title: Geologic Cross Section	
Grou exte India Note	undwater Isoconcen nt of all groundwater cate the direction and e: This is intended to s	<b>Atration Map:</b> For sites closing with residual ground r contamination exceeding a ch. NR140 Preventive A d date of groundwater flow, based on the most recer how the total area of contaminated groundwater.	water contamination, this map shows the horizontal ction Limit (PAL) and an Enforcement Standard (ES). It sampling data.
Figu	ure #:	Title:	
Grou more	undwater Flow Dire e then 20° over the h	<b>ction Map:</b> A map that represents groundwater mo istory of the site, submit 2 groundwater flow maps sl	vement at the site. If the flow direction varies by nowing the maximum variation in flow direction.
Figu	ure #:	Title:	
Figu	ure #:	Title:	
TABLES	6 (meeting the requ	irements of s. NR 716.15(2)(h)(3))	
Tables n cross-ha	nust be no larger that atching. The use of <b>B</b>	n 11 x 17 inches unless the table is submitted electro <b>OLD</b> or <i>ITALICS</i> is acceptable.	onically. Tables <u>must not</u> contain shading and/or
Soil Note Site	Analytical Table: A e: This is one table of investigation, that re	table showing <u>remaining</u> soil contamination with an f results for the contaminants of concern. Contamina main after remediation. It may be necessary to creat	nalytical results and collection dates. ants of concern are those that were found during the e a new table to meet this requirement.
Tab	le #:	Title: Soil Analytical Results Summary	
Grou Wells	u <b>ndwater Analytica</b> s and any potable we	l <b>Table:</b> Table(s) that show the <u>most recent</u> analytica Ils for which samples have been collected.	al results and collection dates, for all monitoring
Tab	le #:	Title:	
🔲 Wat mon	er Level Elevations: hitoring wells. If prese	Table(s) that show the previous four (at minimum) v ent, free product is to be noted on the table.	water level elevation measurements/dates from all
Tab	le #:	Title:	
IMPRO	PERLY ABANDONI	ED MONITORING WELLS	
For each <b>Note:</b> If docume	n monitoring well <u>not</u> The site is being listed Ints in this section for t	properly abandoned according to requirements of a on the GIS Registry for only an improperly abandoned in the GIS Registry Packet.	s. NR 141.2S include the following documents. monitoring well you will only need to submit the
🗙 Not	Applicable		
Site not l Note	Location Map: A ma been properly aband e: If the applicable mo	p showing all surveyed monitoring wells with specif oned. onitoring wells are distinctly identified on the Detailed S	ic identification of the monitoring wells which have ite Map this Site Location Map is not needed.
Figu	ure #:	Title:	
🗌 Wel	l Construction Repo	rt: Form 4440-113A for the applicable monitoring w	rells.
🗌 Dee	d: The most recent d	eed as well as legal descriptions for each property w	here a monitoring well was not properly abandoned
🔲 Noti	ification Letter: Cop	y of the notification letter to the affected property o	wner(s).

State of Wisconsin		GIS Registry Checklist	
Department of Natural Resources http://dnr.wi.gov		Form 4400-245 (R 8/11)	Page 3 of 3
	· · · · · · · · · · · · · · · · · · ·		

BRRTS #: 03-49-234619

ACTIVITY NAME: Hanson Electric

# NOTIFICATIONS Source Property

- 🔀 Not Applicable
- Letter To Current Source Property Owner: If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.
- **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

#### **Off-Source Property**

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

#### 🔀 Not Applicable

Letter To "Off-Source" Property Owners: Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.

**Note:** Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.

#### Number of "Off-Source" Letters:

**Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.

Deed of "Off-Source" Property: The most recent deed(s) as well as legal descriptions, for all affected deeded off-source property(ies). This does not apply to right-of-ways.

**Note:** If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.

Certified Survey Map: A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

Figure #:

Letter To "Governmental Unit/Right-Of-Way" Owners: Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within <u>the contaminated area</u>, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

#### Number of "Governmental Unit/Right-Of-Way Owner" Letters:

Title:

D S P S C

# STATE OF WISCONSIN

Department of Safety and Professional Services

P.O. Box 8044 Madison, Wisconsin 53708-8044

Governor Scott Walker

Secretary Dave Ross

Email: dsps@wisconsin.gov Web: http://dsps.wi.gov

June 27, 2013

Arlan Hanson PO Box 98 Osceola, WI 54020

RE: Final Closure

**PECFA # 54020-4045-13-A** DNR BRRTS # 03-49-234619 Hanson Electric, 613 State Rd 35, Osceola

Dear Mr. Hanson:

The Wisconsin Department of Safety and Professional Services (DSPS) has reviewed the request for case closure prepared by your consultant, Metco, for the site referenced above. DSPS has determined that this site does not pose a significant threat to human health or the environment. <u>No further investigation or remedial action is necessary</u>.

This case is now listed as "closed" on the DSPS database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination. To review sites on the GIS Registry web page, visit <u>http://dnr.wi.gov/topic/Brownfields/rrsm.html</u>. If you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules.

Costs for sampling and excavation activities conducted after case closure are not eligible for PECFA reimbursement. However, if it is determined that any undisturbed remaining petroleum contamination poses a threat, the case may be reopened and further investigation or remediation may be required. If this case is reopened, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

Timely filing of your final PECFA claim (if applicable) is encouraged. If your PECFA claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 266-5788.

Sincerely, Tim Zeichert

Hydrogeologist PECFA Site Review Section

cc: Jason, Powell, Metco Kerry Koller, Central Bank, PO Box 188, Osceola, WI 54020

## NOTICE OF LIS PENDENS

CIRCUIT COURT

022-01111-0000

Name and Return Address

30 East Seventh Street, Suite 3200

Parcel Identification Number (PIN)

Jodie Leigh Grabarski Murnane Brandt

St. Paul, MN 55101

POLK COUNTY

(A)

POLK COUNTY, WISCONSIN Received for record this 7th day of May AD 2012 at 10:00 mM Document Number: 795726

Curie anderson

Laurie Anderson Register of Deeds

Central Bank, 2270 Frontage Road West Stillwater, MN 55082 vs.	Plaintiff,	
Arlan G. Hanson 513 Seminole Avenue Osceola, WI 54020-5002		

Aziza Hanson 513 Seminole Avenue Osceola, WI 54020-5002

STATE OF WISCONSIN

Case No. 12-CV-184

Case Code: 30404 Foreclosure of Mortgage

AMENDED NOTICE OF LIS PENDENS

A. A. Hanson Electric, Inc. 613 State Road Osceola, WI 54020-5002	
Viking Electric Supply, Inc. 380 Jackson Street, #700 St. Paul, MN 55101	
J. H. Larson Electrical Company 901 O'Keefe Road Box 566 Hudson, WI 54016	
State of Wisconsin Department of Workforce Development 201 East Washington Avenue Madison, WI 53703	
Department of Safety and Professional Services State of Wisconsin 1400 East Washington Avenue Room 112 Madison, WI 53703	
Operating Engineer's Local 49 Health and Welfare Fund 800 Nicollet Mall #2600 Minneapolis, MN 55402	
and	
Department of the Treasury Internal Revenue Service U.S. Attorney General Eric Holder 950 Pennsylvania Avenue NW Washington, D.C. 20530	
Defendants.	l

**NOTICE IS HEREBY GIVEN** that the above-entitled action has been commenced and is pending in the above-named Court upon the Complaint of the above-named Plaintiff and the Amended Complaint therein is now on file in the office of

the Administrator of the Circuit Court above named. The names of the parties to said

action are as stated above. This Lis Pendens gives notice of an action to foreclose:

• Real Estate Mortgage in the original principal amount of One Hundred Twenty Four Thousand Three Hundred Sixty and 82/100 Dollars (\$124,360.82) executed on May 12, 2000 and recorded May 17, 2000 in the Register of Deeds Office in Polk County, Wisconsin, in Volume 816 of Records, page 177 as Document No. 598169 ("Hanson Mortgage").

The real property affected, involved and brought in question by said action is that real property situated in Polk County, Wisconsin, legally described as follows:

That part of Lot 1 of Certified Survey Map No. 0360 recorded in Volume 2 of Certified Survey Maps on page 89 as Document No. 376026 in the Polk County Register of Deeds office as described as follows: Commencing at the Southeast corner of Section 34, Township 33 North, Range 19 West; thence North 87°10'17" West on the South boundary of said Section 34, 1313.09 feet; thence North 01°57'00" East 680.03 feet; thence North 87°11'31" West 198.00 feet; thence North 01°57'00" East 124.03 feet to the point of beginning; thence North 01°57'00" East 127 feet; thence South 87°11'31" East 198.00 feet; thence North 01°57'00" East 133.84 feet; thence North 87°12'44" West 515.00 feet; thence South 01°20'42" West 260.84 feet; thence in an Easterly direction to the point of beginning; being located in the North One-half of the Southwest Quarter of the Southeast Quarter (N½ of the SW¼ of the SE¼) of Section 34, Township 33 North, Range 19 West, Town of Farmington, Polk County, Wisconsin.

Dated this 4 day of May\_, 2012

MURNANE BRANDT

Jodie Leigh Grabarski #1020887 Kelly S. Hadac #1059989 Attorneys for Plaintiff 30 East Seventh Street Suite 3200 St. Paul, MN 55101 Phone: 651-227-9411 Fax: 651-223-5199

## STATE OF MINNESOTA ) ) ss COUNTY OF RAMSEY )

The foregoing instrument was acknowledged before me this 44 day of has , 2012, by Jodie Leigh Grabarski, Attorney for Plaintiff.

Netary Public ······

SANDRA L. MEIER Notary Public-Minnesota My Commission Expires Jan B1, 2018

# THIS INSTRUMENT WAS DRAFTED BY

MURNANE BRANDT 30 East Seventh Street, Suite 3200 St. Paul, MN 55101 Telephone 651-227-9411

1427194



## WDNR BRRTS Case #: 03-49-234619

WDNR Site Name: Hanson Electric

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# Geographic Information System (GIS) Registry of Closed Remediation Sites

In compliance with the revisions to the NR 700 rule series requiring certain closed sites to be listed on the Geographic Information System (GIS) Registry of Closed Remediation Sites (Registry) effective Nov., 2001, I have provided the following information.

To the best of my knowledge the legal descriptions provided and attached to this statement are complete and accurate.

Responsible Party:

ļ	RLAN	GLANS	0x		
<u> </u>		0	(print nan	ne/title)	
	along	el Han		11-02	2-2012
	(sigr	nature)		(date)	



TOPO! map printed on 08/10/11 from "wisconsin.tpo" and "Untitled.tpg" 92°42.000' W WGS84 92°41.000' W







. GEOLOGIC CROSS SECTION MAP NOTE: INFORMATION BASED ON AVAILABLE DATA, ACTUAL CONDITIONS MAY DIFFER CLOSE-UP A - UST CLOSURE SOIL SAMPLING LOCATION HANSON ELECTRIC SOL BORING LOCATION 700 Gittete Street Suid 1 1 Groupe W Steel 1 1 Groupe W Steel 1 1 Group 761-6803 Fax: (60) 761-6803 0RAMN PM ASPHALT DRAWN BY: ED DATE: 95/10/201 HODRED BY: NM DATE: 09/1/2012 09/17/2012 \_\_\_\_\_ GAS LINE ------ PHONE LINE SCALE: INCH - 5 FEET  $B-6\lambda^A$ AREA OF UNSATURATED SOIL CONTAMINATION IN EXCEEDANCEOF NR 720 SOIL CLEAN-UP STANDARDS B B-l #2 B-5 #3 B-4 #4 HANSON ELECTRIC 613/STH 35 REMOVED B-|2 REMOVED 1.000 GALLON DISPENSER GASOLINE UST -----CONCRETE #

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### Soil Analytical Results Summary Hanson Electric BRRTS# 03-49-234619

Sample	Depth	Date	PID	GRO		Ethyl		Naph-		1,2,4-Trime-	1,3,5-Trime-	Xylene
ID	(feet)			(ppm)	Benzene	Benzene	MTBE	thalene	Toluene	thylbenzene	thylbenzene	(Total)
					(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
B-1-1	3.5	06/06/12	15	<10	<8.9	<55	<12	<107	<50	<80	<48	<136
B-1-2	6	06/06/12	0					NOT SAME	PLED			
B-1-3	8	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-1-4	10	06/06/12	0					NOT SAMP	PLED			
B-1-5	11	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-2-1	3.5	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-2-2	6	06/06/12	0					NOT SAMP	PLED			
B-2-3	8	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-2-4	10	06/06/12	0					NOT SAMP	PLED			
B-2-5	11	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-3-1	3.5	06/06/12	0	11	61	<25	<25	<25	<25	106	119	116
B-3-2	6	06/06/12	0					NOT SAME	PLED			
B-3-3	7	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-4-1	3.5	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-4-2	6	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-5-1	3.5	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-5-2	6	06/06/12	0					NOT SAMP	PLÉD			
B-5-3	6-8	06/06/12					NO R	ECOVERY				
B-5-4	8.5	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-6-1	3.5	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-6-2	6	06/06/12	0					NOT SAMP	PLED			
B-6-3	8	06/06/12	0					NOT SAMF	PLED			
B-6-4	9	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
#1	6	09/22/99	0	<6.1	<31	<31	<31	NS	<31	<31	<31	<92
#2	6	09/22/99	2120	424	1210	2420	<600	NS	8350	23000	10000	36300
#3	7	09/22/99	172					NOT SAMP	PLED			
#4	7.5	09/22/99	146	14.3	<29	50	<29	NS	100	1030	502	957
NR720				100	5.5	2900			1500			4100
NR746 Tab	ole 1				8500	4600		2700	38000	83000	11000	42000
NR746 Tab	le 2				1100							

### Bold = NR720 Exceedance

Bold/Underline = NR746 Exceedance

NS = Not Sampled

METCO Environmental Consulting, Fuel System Design, Installation and Service

- 30

STATE OF WISCONSIN

DSP S

Department of Safety and Professional Services

P.O. Box 8044 Madison, Wisconsin 53708-8044

> Email: dsps@wisconsin.gov Web: http://dsps.wi.gov

Governor Scott Walker

Secretary Dave Ross

June 27, 2013

Arlan Hanson PO Box 98 Osceola, WI 54020

### RE: Final Closure

**PECFA # 54020-4045-13-A** DNR BRRTS # 03-49-234619 Hanson Electric, 613 State Rd 35, Osceola

Dear Mr. Hanson:

The Wisconsin Department of Safety and Professional Services (DSPS) has reviewed the request for case closure prepared by your consultant, Metco, for the site referenced above. DSPS has determined that this site does not pose a significant threat to human health or the environment. <u>No further investigation or remedial action is necessary</u>.

This case is now listed as "closed" on the DSPS database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination. To review sites on the GIS Registry web page, visit <u>http://dnr.wi.gov/topic/Brownfields/rrsm.html</u>. If you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules.

Costs for sampling and excavation activities conducted after case closure are not eligible for PECFA reimbursement. However, if it is determined that any undisturbed remaining petroleum contamination poses a threat, the case may be reopened and further investigation or remediation may be required. If this case is reopened, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

Timely filing of your final PECFA claim (if applicable) is encouraged. If your PECFA claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 266-5788.

Sincerely,

Tim Zeichert Hydrogeologist PECFA Site Review Section

cc: Jason, Powell, Metco Kerry Koller, Central Bank, PO Box 188, Osceola, WI 54020 State of Wisconsin DEPARTMENT OF NATURAL RESOURCES Antigo Service Center 223 E. Steinfest Road Antigo WI 54409

Scott Walker, Governor Cathy Stepp, Secretary Telephone 608-266-2621 Toll Free 1-888-936-7463 TTY Access via relay - 711



April 29, 2013

Hanson Electric Attn: Arlan Hanson 513 Seminole Ave #240 Osceola, WI 54020 RECEIVED

MAY -1 2013, PECFA BUREAU

## Subject: Hanson Electric, 613 STH 35, Osceola, WI BRRTS # 03-49-234619 PECFA # 54020-4045-13

Dear Mr. Hanson:

The State of Wisconsin divides the jurisdiction for sites contaminated by petroleum storage tank systems between the Department of Natural Resources (DNR) and the Department of Safety and Professional Services (DSPS). This is based on statutory definitions of high, medium and low risk sites. Under this statute, oversight of sites falling under the definition of "low or medium risk" are the responsibility of DSPS rather than our agency.

The DNR - Remediation and Redevelopment Program, has recently reviewed correspondence regarding the above-referenced case. We have determined that your site should be classified as "low or medium risk." As such, further reviews of submittals and all technical assistance will need to be provided by staff at the DSPS. The case files for this site, therefore, are being transferred to:

Tim Zeichert WI Department of Safety and Professional Services 1400 E Washington Ave PO Box 8044 Madison, WI 53708-8044 (608) 266-5788 Timothy.Zeichert@wisconsin.gov

Please address all future inquiries to the DSPS. If you have questions or concerns, you can contact me at (715) 623-4190 ext, 3127.

Sincerely, NORTHERN REGION Katht Shopl

Kathleen Shafel Remediation and Redevelopment Program

cc: County File

Naturally WISCONSIN



# **Richard, Philip E - DNR**

From: Sent: To: Subject: Richard, Philip E - DNR Thursday, April 25, 2013 3:40 PM Shafel, Kathleen S - DNR Hanson Electric, 03-49-234619

Kathleen,

The Hanson Electric site is classified as low risk and should be transferred to Tim Zeichert with DSPS. I will send the file over to you.

Let me know if you need anything else.

Thanks,

Phil

Philip E. Richard

Hydrogeologist Remediation and Redevelopment Program Wisconsin Department of Natural Resources phone: 715 762 1352 fax: 715 762 4348 e-mail: <u>philip.richard@wisconsin.gov</u>

## Letter of Transmittal

Submitted to:

#### **Philip Richard**

Wisconsin Dept. of Natural Resources

875 S. Fourth Ave.

Park FallsWI54552 1130

Date: 4/18/2013

Attached

Job: Hanson Electric OUnder Separate Cover

APR 2 3 2013 PECFA BUREAU

GEOPV

Contents:

Site Investigation Report and Closure/GIS Packet. BRRTS#: 03-49-234619 PECFA#: 54020-4045-13

Remarks:

Attached are the Site Investigation Report, DSPS Closure Form, and GIS Registry Packet. Please note that the \$200 Soil GIS Fee has not been attached. METCO requested the fee back in September 2012 and has followed up with the RP repeatedly and he states that he does not have the \$200. Thus, we are going to stop follow up with him and just wanted to at least submit the report/closure request so you have for your records but we understand it will not be reviewed until the GIS Fee has been paid.

If you have any questions please call or email.

Signed: Jason Powell

cc: Arland Hanson - Client Tim Zeichert - DSPS

> METCO 709 Gillette St., Ste 3 La Crosse, WI 54603-2382 (608)781-8879 fax (608)781-8893

State of Wisconsin		GIS Registry Checklist	
http://dnr.wi.gov	WIBLE IN 1 HIS OKDER	Form 4400-245 (R 8/11)	Page 1 of 3
This Adobe Fillable form is intended to provide a list of infe Form 4400-202, Case Closure Request. The closure of a cast time based on the information that has been submitted to	ormation that is required for eval se means that the Department has the Department.	uation for case closure. It is to be used in as determined that no further response is	conjunction with required at that
<b>NOTICE:</b> Completion of this form is mandatory for applincluding cases closed under ch. NR 746 and ch. NR 726. T are completed on this form and the closure fee and any ot not the Department's intention to use any personally iden and determining the need for additional response action Open Records law [ss. 19.31 - 19.39, Wis. Stats.].	lications for case closure pursuan he Department will not consider her applicable fees, required unc tifiable information from this for n. The Department may provid	t to ch. 292, Wis. Stats. and ch. NR 726, Wis , or act upon your application, unless all ap ler ch. NR 749, Wis. Adm. Code, Table 1 are m for any purpose other than reviewing cl e this information to requesters as requi	s. Adm. Code, pplicable sections e included. It is losure requests red by Wisconsin's
BRRTS #: 03-49-234619 (No Dashes)	PARCEL ID #: 022-01	111-0000	
ACTIVITY NAME: Hanson Electric		WTM COORDINATES: X: 308402	Y: 539675
<b>CLOSURE DOCUMENTS</b> (the Department adds	s these items to the final GI	S packet for posting on the Registr	y)
Closure Letter         Maintenance Plan (if activity is closed with a land)         Continuing Obligation Cover Letter (for properties)         Conditional Closure Letter         Certificate of Completion (COC) (for VPLE sites)	d use limitation or condition (la erty owners affected by residu s)	and use control) under s. 292.12, Wis. Sto Ial contamination and/or continuing o	ats.) obligations)
SOURCE LEGAL DOCUMENTS			
<ul> <li>for other, off-source (off-site) properties are loca</li> <li><i>Note:</i> If a property has been purchased with a lawhich includes the legal description shall be sub</li> <li>documentation of the property transfer should be</li> <li>Certified Survey Map: A copy of the certified s</li> <li>where the legal description in the most recent deed</li> <li>platted property (e.g. lot 2 of xyz subdivision)).</li> </ul>	ated in the <b>Notification</b> section and contract and the purchaser bomitted instead of the most re- submitted along with the most survey map or the relevant sec d refers to a certified survey ma	has not yet received a deed, a copy of the containination of the copy of the cont deed. If the property has been in the trecent deed. If the property has been in the trecent deed. It is not the trecent deed plat map for thos on subcomport a recorded plat map. (lots on subcomport a r	the land contract inherited, written se properties livided or
Figure #: 376026 Title: Polk County C	ertified Survey Map No. 360	)	
Signed Statement: A statement signed by the description accurately describes the correct con	Responsible Party (RP), which itaminated property.	states that he or she believes that the	e attached legal
MAPS (meeting the visual aid requirements of :	s. NR 716.15(2)(h))		
Maps must be no larger than 11 x 17 inches unless t	the map is submitted electror	ically.	
<ul> <li>Location Map: A map outlining all properties w in sufficient detail to permit easy location of all y wells within 1200 feet of the site.</li> <li>Note: Due to security reasons municipal wells are must be identified on Case Closure Request maps.</li> </ul>	vithin the contaminated site k parcels. If groundwater standa not identified on GIS Packet m	ooundaries on a U.S.G.S. topographic r ards are exceeded, include the locatio aps. However, the locations of these mu	map or plat map n of all potable unicipal wells
Figure #: Title: Site Location I	Мар		
Detailed Site Map: A map that shows all releva utility lines, monitoring wells and potable wells) contaminated public streets, and highway and r boundaries of groundwater contamination exceeding a R (SSRCL) as determined under s. NR 720.09, 720.1	nt features (buildings, roads, i ) within the contaminated are railroad rights-of-way in relati eeding a ch. NR 140 Enforcem lesidual Contaminant Level (R 11 and 720.19.	individual property boundaries, conta a. This map is to show the location of on to the source property and in relati ent Standard (ES), and/or in relation to CL) or a Site Specific Residual Contam	minant sources, all ion to the o the inant Levels
Figure #: Title: Site Layout Ma	ар		
Soil Contamination Contour Map: For sites clo contaminated soil and a single contour showing exceeds a Residual Contaminant Level (RCL) or a 720.09, 720.11 and 720.19.	osing with residual soil contar g the horizontal extent of eacl a Site Specific Residual Contai	nination, <u>this map is to show the locat</u> n area of contiguous residual soil cont minant Level (SSRCL)as determined ur	<u>tion of all</u> amination that nder s. NR

Figure #: Title: Soil Contamination Map - Close up

State of Wisconsin Department of Natural	Resources	GIS Registry Checklist
http://dnr.wi.gov	·····	Form 4400-245 (R 8/11) Page
BRRTS #: 03-49-234	4619	ACTIVITY NAME: Hanson Electric
MAPS (continued)	)	
Geologic Cross           Residual Contam           ch. NR 140 Enfor           piezometric elev	-Section Map: A map showing th hinant Level (RCL) or a Site Specif cement Standard (ES) when close vations, and locations and elevati	he source location and vertical extent of residual soil contamination exceed fic Residual Contaminant Level (SSRCL). If groundwater contamination exc sure is requested, show the source location and vertical extent, water table ions of geologic units, bedrock and confining units, if any.
Figure #:	Title: Geologic Cross	Section Map - Close up
Figure #:	Title: Geologic Cross	Section
Groundwater Is extent of all grou Indicate the dire Note: This is inte	soconcentration Map: For sites of undwater contamination exceed ection and date of groundwater fl ended to show the total area of cor	closing with residual groundwater contamination, this map shows the hori ling a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standar low, based on the most recent sampling data. ntaminated groundwater.
Figure #:	Title:	
Groundwater F more then 20° o	low Direction Map: A map that ver the history of the site, submit	represents groundwater movement at the site. If the flow direction varies t 2 groundwater flow maps showing the maximum variation in flow direction
Figure #:	Title:	
Figure #:	Title:	
Soil Analytical Note: This is on site investigation	<b>Table:</b> A table showing <u>remainin</u> e table of results for the contami         n, that remain after remediation.	ng soil contamination with analytical results and collection dates. Inants of concern. Contaminants of concern are those that were found dur . It may be necessary to create a new table to meet this requirement.
Table #:	Title: Soil Analytical	Results Summary
Groundwater A wells and any po	nalytical Table: Table(s) that sh stable wells for which samples ha	now the <u>most recent</u> analytical results and collection dates, for all monitorir ave been collected.
Table #:	Title:	
Water Level Ele monitoring well	<b>vations:</b> Table(s) that show the s. If present, free product is to be	previous four (at minimum) water level elevation measurements/dates fro e noted on the table.
Table #:	Title:	
IMPROPERLY AB	ANDONED MONITORING WE	:ULS
For each monitoring <b>Note:</b> If the site is be documents in this se	g well <u>not</u> properly abandoned a ing listed on the GIS Registry for or ction for the GIS Registry Packet.	ccording to requirements of s. NR 141.25 include the following documents nly an improperly abandoned monitoring well you will only need to submit the
🔀 Not Applicable		
Site Location M	lap: A map showing all surveyed	monitoring wells with specific identification of the monitoring wells which
not been proper Note: If the appl	rly abandoned. <i>licable monitoring wells are distinc</i>	ctly identified on the Detailed Site Map this Site Location Map is not needed.
not been proper Note: If the appl Figure #:	rly abandoned. licable monitoring wells are distinc <b>Title:</b>	ctly identified on the Detailed Site Map this Site Location Map is not needed.

**Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

**Notification Letter:** Copy of the notification letter to the affected property owner(s).

State of Wisconsin Department of Natural Resources http://dnr.wi.gov		GIS Registry Checklist Form 4400-245 (R 8/11) Page 3 of 3
BRRTS #: 03-49-234619	ACTIVITY NAME: H	łanson Electric

# NOTIFICATIONS

#### Source Property

- X Not Applicable
- Letter To Current Source Property Owner: If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.
- **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

#### **Off-Source Property**

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

#### 🔀 Not Applicable

Letter To "Off-Source" Property Owners: Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.

**Note:** Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.

#### Number of "Off-Source" Letters:

**Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.

Deed of "Off-Source" Property: The most recent deed(s) as well as legal descriptions, for all affected deeded off-source property(ies). This does not apply to right-of-ways.

**Note:** If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.

Certified Survey Map: A copy of the certified survey map or the relevant section of the recorded plat map for those properties where the legal description in the most recent deed refers to a certified survey map or a recorded plat map. (lots on subdivided or platted property (e.g. lot 2 of xyz subdivision)).

Figure #: Title:

Letter To "Governmental Unit/Right-Of-Way" Owners: Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within <u>the contaminated area</u>, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

#### Number of "Governmental Unit/Right-Of-Way Owner" Letters:

STATE OF WISCONSIN

Department of Safety and Professional Services

D S P S

P.O. Box 8044 Madison, Wisconsin 53708-8044

Governor Scott Walker

Secretary Dave Ross

Email: dsps@wisconsin.gov Web: http://dsps.wi.gov

June 27, 2013

Arlan Hanson PO Box 98 Osceola, WI 54020

RE: Final Closure

PECFA # 54020-4045-13-A DNR BRRTS # 03-49-234619 Hanson Electric, 613 State Rd 35, Osceola

Dear Mr. Hanson:

The Wisconsin Department of Safety and Professional Services (DSPS) has reviewed the request for case closure prepared by your consultant, Metco, for the site referenced above. DSPS has determined that this site does not pose a significant threat to human health or the environment. <u>No further investigation or remedial action is necessary</u>.

This case is now listed as "closed" on the DSPS database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination. To review sites on the GIS Registry web page, visit <u>http://dnr.wi.gov/topic/Brownfields/rrsm.html</u>. If you intend to construct or reconstruct a potable well on this property, you must get prior DNR approval.

All current and future owners and occupants of the property need to be aware that excavation of contaminated soil may pose a hazard. Special precautions may be needed to prevent inhalation, ingestion or dermal contact with the residual contamination when it is removed. If soil is excavated, the property owner at the time of excavation must have the soil sampled and analyzed to determine if residual contamination remains. If sampling confirms that contamination is present, the property owner at the time of excavation must determine whether the material would be considered solid or hazardous waste and ensure that any storage, treatment or disposal is in compliance with applicable statutes and rules.

Costs for sampling and excavation activities conducted after case closure are not eligible for PECFA reimbursement. However, if it is determined that any undisturbed remaining petroleum contamination poses a threat, the case may be reopened and further investigation or remediation may be required. If this case is reopened, any original claim under the PECFA fund would also reopen and you may apply for assistance to the extent of remaining eligibility.

Timely filing of your final PECFA claim (if applicable) is encouraged. If your PECFA claim is not received within 120 days of the date of this letter, interest costs incurred after 60 days of the date of this letter will not be eligible for PECFA reimbursement.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 266-5788.

Sincerely,

Tim Zeichert Hydrogeologist PECFA Site Review Section

cc: Jason, Powell, Metco Kerry Koller, Central Bank, PO Box 188, Osceola, WI 54020

NO	TICE	OF I	LIS	PEN	<b>IDENS</b>
	*** * * * ***				

POLK COUNTY, WISCONSIN Received for record this 7th day of May AD 2012 at 10:00 pM Document Number: 795726 Laurie anderson Laurie Anderson Register of Deeds Name and Return Address Jodie Leigh Grabarski Murnane Brandt 30 East Seventh Street, Suite 3200 St. Paul, MN 55101 022-01111-0000 Parcel Identification Number (PIN)

## STATE OF WISCONSIN

CIRCUIT COURT

POLK COUNTY

Central Bank, 2270 Frontage Road West Stillwater, MN 55082 vs.	Plaintiff,	Case No. 12-CV-184 Case Code: 30404 Foreclosure of Mortgage
Arlan G. Hanson 513 Seminole Avenue Osceola, WI 54020-5002		AMENDED NOTICE OF LIS PENDENS
Aziza Hanson 513 Seminole Avenue Osceola, WI 54020-5002		

A. A. Hanson Electric, Inc. 613 State Road Osceola, WI 54020-5002	
Viking Electric Supply, Inc. 380 Jackson Street, #700 St. Paul, MN 55101	
J. H. Larson Electrical Company 901 O'Keefe Road Box 566 Hudson, WI 54016	
State of Wisconsin Department of Workforce Development 201 East Washington Avenue Madison, WI 53703	
Department of Safety and Professional Services State of Wisconsin 1400 East Washington Avenue Room 112 Madison, WI 53703	
Operating Engineer's Local 49 Health and Welfare Fund 800 Nicollet Mall #2600 Minneapolis, MN 55402	
and	
Department of the Treasury Internal Revenue Service U.S. Attorney General Eric Holder 950 Pennsylvania Avenue NW Washington, D.C. 20530	
Defendants.	

**NOTICE IS HEREBY GIVEN** that the above-entitled action has been commenced and is pending in the above-named Court upon the Complaint of the above-named Plaintiff and the Amended Complaint therein is now on file in the office of

the Administrator of the Circuit Court above named. The names of the parties to said

action are as stated above. This Lis Pendens gives notice of an action to foreclose:

• Real Estate Mortgage in the original principal amount of One Hundred Twenty Four Thousand Three Hundred Sixty and 82/100 Dollars (\$124,360.82) executed on May 12, 2000 and recorded May 17, 2000 in the Register of Deeds Office in Polk County, Wisconsin, in Volume 816 of Records, page 177 as Document No. 598169 ("<u>Hanson Mortgage</u>").

The real property affected, involved and brought in question by said action is that real property situated in Polk County, Wisconsin, legally described as follows:

That part of Lot 1 of Certified Survey Map No. 0360 recorded in Volume 2 of Certified Survey Maps on page 89 as Document No. 376026 in the Polk County Register of Deeds office as described as follows: Commencing at the Southeast corner of Section 34, Township 33 North, Range 19 West; thence North 87°10'17" West on the South boundary of said Section 34, 1313.09 feet; thence North 01°57'00" East 680.03 feet; thence North 87°11'31" West 198.00 feet; thence North 01°57'00" East 124.03 feet to the point of beginning; thence North 01°57'00" East 127 feet; thence South 87°11'31" East 198.00 feet; thence North 01°57'00" East 133.84 feet; thence North 87°12'44" West 515.00 feet; thence South 01°20'42" West 260.84 feet; thence in an Easterly direction to the point of beginning; being located in the North One-half of the Southwest Quarter of the Southeast Quarter (N½ of the SW¼ of the SE¼) of Section 34, Township 33 North, Range 19 West, Town of Farmington, Polk County, Wisconsin.

Dated this  $\frac{4}{2}$  day of  $May_{, 2012}$ 

MURNANE BRANDT

lodie Leigh Grabarski #1020887 Kelly S. Hadac #1059989 Attorneys for Plaintiff 30 East Seventh Street Suite 3200 St. Paul, MN 55101 Phone: 651-227-9411 Fax: 651-223-5199

# 795726

STATE OF MINNESOTA ) ) ss COUNTY OF RAMSEY )

The foregoing instrument was acknowledged before me this 4 day of 2012, by Jodie Leigh Grabarski, Attorney for Plaintiff.

letary Public

SANDRA L. MEIER Notary Public-Minnesota My Commission Expires dan 31, 2018

# THIS INSTRUMENT WAS DRAFTED BY

MURNANE BRANDT 30 East Seventh Street, Suite 3200 St. Paul, MN 55101 Telephone 651-227-9411

1427194

.

SCHEDULE OF INTERIOR ANGLES. NORTH DANBURY, WISCONSIN, 08 3/ 0 89° 6 269° 09' 44" GRAPHIC SCALE OUN7 OWNSH 270° 90° Ø 5ľ 6 50 16 29 33' 26' PAR 3 89° Ø 88° 08 3/\* 200' 100 O' 100' 300' DE SECTION THE  $\bigcirc$ 900 50' 3 91° 27' 47" 16 COUNTRY ENGINEERING, INC. UNPLATTED 66 FAST. NB7 12 44 W. TO32.27 OWN ROAD Ď, BOUNDARY E) A 33' 202 UNPLATIED × 733N., 33 501°20'42.W 100'-(ŋ NOP 57'00"E 295.16 54830 TATE RI9W RANGE LOT 1 N 50.33 THE SWA OF S.W.COR., SEC. 34, T33, N.R.194 h 17.51 ACRES 207 STATE N87º12'44"W, 295.16 ASSUMED NOI STOOL MS. FIE 679.69 NOI" 57'00"E 133.84 376026 S87º /1'3/"E WISCONSIN 198.00 SECORNER IS WES Ú 1/0/ OFTH NOIº 57'00"E 251.03ģ Vol. THESE NAY Ì Ø 1187 11.51 W 6 N ₹95 Ŋ **---**332.60' 587° 11' 31"E 1122.26 ø CSM 5 OWN OF Ś . d 🗗 -IRON SHAFT FOUND ON N-S 1/4  $\overline{O}$ page LINE MARKING A PROPERTY COR. UNPLATTED Àо.В, 9 94,733NR19W SHACOR SEC34 \$ N87º10'17"W 1313.09' Section 68 ρ STATE OF WISCONSIN FARMINGTON Sheet RECEIVED 2 APR 2 7 1977 376026 Legend: N87ºIQ'I7"W 1313.09 laier X an O.OFOCK CCC EXTERIOR BOUNDARIES. PAGE. & FILED 34 Ö. ROADWAY R.O.W. LIMITS. HE GIST 360 07 RELATED SURVEY LINES. 2\* x 30\*, 3.65#/FT., IRON PIPE SET. 0 ሌ ģ

## WDNR BRRTS Case #: 03-49-234619

WDNR Site Name: <u>Hanson Electric</u>

## Geographic Information System (GIS) Registry of Closed Remediation Sites

In compliance with the revisions to the NR 700 rule series requiring certain closed sites to be listed on the Geographic Information System (GIS) Registry of Closed Remediation Sites (Registry) effective Nov., 2001, I have provided the following information.

To the best of my knowledge the legal descriptions provided and attached to this statement are complete and accurate.

Responsible Party:

ARLAN	G NAW 52	s N	
		print name/title)	
along	el tom		-20-2012
(sigr	nature)	(date)	)

Environmental Consulting, Fuel System Design, Installation and Service



METCO Environmental Consulting, Fuel System Design, Installation and Service








#### Soil Analytical Results Summary Hanson Electric BRRTS# 03-49-234619

40306044-4482pm

generationset

gaaaaa

Sample	Depth	Date	PID	GRO		Ethyl		Naph-		1,2,4-Trime-	1,3,5-Trime-	Xylene
ID	(feet)			(ppm)	Benzene	Benzene	MTBE	thalene	Toluene	thylbenzene	thylbenzene	(Total)
					(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)
B-1-1	3.5	06/06/12	15	<10	<8.9	<55	<12	<107	<50	<80	<48	<136
B-1-2	6	06/06/12	0					NOT SAME	PLED			
B-1-3	8	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-1-4	10	06/06/12	0					NOT SAME	PLED			
B-1-5	11	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-2-1	3.5	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-2-2	6	06/06/12	0					NOT SAMP	PLED			
B-2-3	8	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-2-4	10	06/06/12	0					NOT SAM	PLED			
B-2-5	11	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-3-1	3.5	06/06/12	0	11	61	<25	<25	<25	<25	106	119	116
B-3-2	6	06/06/12	0					NOT SAME	PLED			
B-3-3	7	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-4-1	3.5	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-4-2	6	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-5-1	3.5	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-5-2	6	06/06/12	0		NOT SAMPLED							
B-5-3	6-8	06/06/12					NO R	ECOVERY				
B-5-4	8.5	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-6-1	3.5	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
B-6-2	6	06/06/12	0					NOT SAMP	PLED			
B-6-3	8	06/06/12	0					NOT SAMP	PLED			
B-6-4	9	06/06/12	0	<10	<25	<25	<25	<25	<25	<25	<25	<75
#1	6	09/22/99	0	<6.1	<31	<31	<31	NS	<31	<31	<31	<92
#2	6	09/22/99	2120	424	1210	2420	<600	NS	8350	23000	10000	36300
#3	7	09/22/99	172					NOT SAM	PLED			
#4	7.5	09/22/99	146	14.3	<29	50	<29	NS	100	1030	502	957
NR720				100	5.5	2900			1500			4100
NR746 Table 1				8500	4600		2700	38000	83000	11000	42000	
NR746 Table 2					1100						44-100 At	

engganna-049

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general de la company de la

sonio di alboratoje

NAME

Bold = NR720 Exceedance

Bold/Underline = NR746 Exceedance

NS = Not Sampled

Rec 4/22/13 put ON BERTS 4/23/13 (37)

## **Site Investigation Report**

Hanson Electric 613 State Highway 35 Osceola, Wisconsin

October 15, 2012 by METCO WDNR File Reference #: 03-49-234619 PECFA Claim #: 54020-4045-13



Excellence through experience™

This document was prepared by:

Cear T. Powell

Jason T. Powell Staff Scientist

ld J

Ronald J. Anderson, P.G. Senior Hydrogeologist/Project Manager

Wisconsin Department of Safety and Professional Services
Environmental and Regulatory Services Division

#### CASE SUMMARY AND CLOSE OUT

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04(1)(M)]

A. PECFA Number: <u>54020-4045-13-A</u>

DNR BRRTS Number: 03-49-234619

B. Site Information (property deed required for sites with residual contamination)

Name: <u>Hanson Electric</u> Address: <u>613 State Highway 35</u> City: <u>Osceola</u>

#### C. Responsible Party (RP) information

Contact Name: _	Arland Hanson	
Business Name	(if applicable):	
Mailing Adress: _	P.O. Box 98	
City, State, Zip C	ode: Osceola, WI 54020	
Telephone: 715-2	294-3119 Ext: 105	

#### D. Property Owner Information (if different from RP)

Contact Name:	
Business Name (if applicable):	
Mailing Adress:	
City, State, Zip Code:	
Telephone:	

#### E. Consulting Firm Information

Contact Name: Ron Anderson
Firm Name: METCO
Mailing Address: 709 Gillette St., Ste. 3
City, State, Zip Code: La Crosse, WI 54603-2382
Telephone: 608-781-8879
Electronic Mail Address: rona@metcohq.com

I certify by my signature that I am the environmental consultant on this site, that I have reviewed all the environmental information relating to the remediation at this site, that the information contained in this form and following correspondence is true and accurate, and that it is my professional opinion that this site meets all regulatory requirements for closure. (Must be signed by a professional listed below that is currently licensed by the Department of Regulation and Licensing)

	19
	1/20
Concultant Cignatura	1 work
Consultant Signature:	10000

#### Check One:

Professional Engineer
X Professional Geologist
Hydrologist
Soil Scientist

_icense# _		
_icense#	1076	
_icense#		E.
_icense#		

4.0

F. Other Interested Party(s) (attach additional sheets if necessary)

Name:	
Mailing Address:	
City, State, Zip Code:	
Telephone:	
Reason for interest:	



Date Received	
(office use only)	

**Proposed Public Notification and Fee** 

**Payment Confirmation** 

X DNR Soil GIS Registry

abandonded monitoring well(s) Registry fee sent to DNR? Yes (Only one GW Registry fee per site.)

\_\_\_\_DNR GW Registry Registry fee sent to DNR? Yes

Date:

Registry fee sent to DNR? Yes 💐

DNR GW GIS Registry - improperly

(Check all that apply)

None



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709 Gillette St., Ste 3 + La Crosse, WI 54603 + 1-800-552-2932 + Fax (608) 781-8893 Email: rona@metcohg.com +www.metcohg.com

October 15, 2012

WDNR BRRTS#: 03-49-234619 PECFA Claim #: 54020-4045-13

Phil Richard Wisconsin Department of Natural Resources 875 South Fourth Avenue Park Falls, WI 54552-1130

**RE: Hanson Electric File Transfer** 

Dear Mr. Richard,

Based on the evaluation of the risk criteria, it does not appear that any high risk factors are present at the Hanson Electric site. Therefore, it is the recommendation of METCO that the site be transferred to the administrative authority of the Department of Safety and Professional Services. Per NR746.03 definitions, as currently in effect, it is a "low risk" site. Please send the entire file to Mr. Tim Zeichert, as we are submitting the Site Investigation Report to him.

If you have any questions or comments, please contact me at our La Crosse office (608-781-8879).

Sincerely,

En T. Powell Jason T. Powell

Staff Scientist

C: Tim Zeichert - WDSPS Arlan Hanson - Client

Environmental Consulting, Fuel System Design, Installation and Service



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October 15, 2012

WDNR BRRTS#: 03-49-234619 PECFA Claim #: 54020-4045-13

Arlan Hanson P.O. Box 98 Osceola, WI 54020

Dear Mr. Hanson,

Enclosed is our "Site Investigation Report" concerning the Hanson Electric site in Osceola, Wisconsin. This report presents the complete data from all Investigation activities.

Based on the site investigation results, METCO recommends the Hanson Electric site be "**closed**" for the for the following reason: 1) The extent and degree of petroleum contamination in soil has been adequately defined. 2) There is no known direct contact risk associated with the petroleum contaminated soil. 3) Groundwater does not appear to be impacted due to the depth to the water table. 4) Analytical results show no impacts to the on-site potable well. 5) Regarding vapor intrusion, there appears to be at least five feet of clean soils horizontally and vertically from the on-site building.

We appreciate the opportunity to be of service to you on this project. Should you have any questions or require additional information, do not hesitate to contact our La Crosse office.

Sincerely,

Jason T. Powell Staff Scientist

C: Tim Zeichert – WDSPS

## **EXECUTIVE SUMMARY**

Hanson Electric has owned the subject property since 1978. The property is used as on office and shop for the company. Prior to this, the property was vacant. On September 22, 1999, a 1,000 gallon unleaded gasoline UST was removed for from the subject property. The UST, which was used for fueling fleet vehicles, was installed in approximately 1985.

During the UST removal, four soil samples were collected from beneath the removed UST for field (PID) and /or laboratory (GRO and PVOC) analysis. Petroleum contamination was detected in soil samples #2, #3, and #4, which were collected from beneath the north end of the UST. Soil sample #2 was collected at 6 feet below ground surface (bgs) and showed 424 ppm GRO and several NR720 exceedances for PVOC compounds. Soil sample #3 was collected at 7 feet bgs and was only analyzed with a PID showing 172 ppm. Soil sample #4 was collected at 7.5 feet bgs and showed 15 ppm GRO and several low level detects for PVOC compounds. The petroleum contamination was reported to the WDNR, who then required that a LUST investigation be completed.

The nearest known LUST site is the Custom Fire Apparatus, Inc. sit (BRRTS# 03-49-270641), which exists approximately 3,700 feet to the northeast. This site does not appear to be close enough to be impacting or being impacted by the subject property.

The Tank Closure and Drilling project clearly shows that released petroleum has impacted the local soil. Results of the investigation are as follows:

- Local unconsolidated material generally consists of sandy clay to clayey sand with gravel and cobbles from surface to approximately five feet below ground surface (bgs).
- Weathered dolomite was encountered from approximately five feet bgs to nine feet bgs. Competent dolomite bedrock auger refusal) was encountered at nine feet bgs.
- The area of unsaturated soil contamination, which exceeds the NR720 Soil Cleanup Standards, appears to measure approximately 12 feet long, up to 8 feet wide, and up to 5 feet thick.
- There is no known direct contact risk associated with the petroleum contaminated soils.
- Groundwater is expected to exist approximately 40-50 feet bgs. Based on the limited extent of soil contamination, impacts to groundwater do not appear likely.

According to the data collected during the investigation, it is the conclusion of METCO that under existing conditions and limitations, the extent and degree of petroleum contamination has been adequately defined in soil to warrant a completed investigation as defined by DSPS and WDNR guidelines and regulations.

Based on the site investigation results, METCO recommends the Hanson Electric site be **"closed"** for the for the following reason: 1) The extent and degree of petroleum contamination in soil has been adequately defined. 2) There is no known direct contact risk associated with the petroleum contaminated soil. 3) Groundwater does not appear to be impacted due to the depth to the water table. 4) Analytical results show no impacts to the on-site potable well. 5) Regarding vapor intrusion, there appears to be five feet of clean soils horizontally and vertically from the on-site building.

Site closure will be conditional on listing on the WDNR GIS Registry for residual soil contamination. The necessary deed information and other details of the GIS Registry submittal process are presented in the GIS Registry Package. The \$200.00 GIS Registry fee (soil) has been forwarded to Danielle Wincentsen at the WDNR Northern Region Headquarters.

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## **1.0 INTRODUCTION AND BACKGROUND**

A Site Investigation is required by the Wisconsin Department of Natural Resources (WDNR) by authority of Section 292.11 of the Wisconsin Statutes. According to the WDNR, any soil that tests more than 10 ppm Gasoline Range Organics (GRO) or Diesel Range Organics (DRO) requires an investigation. Any soil that tests more than the Chapter NR720 Soil Cleanup Standards or NR746 Table 1 or Table 2 values may require possible remediation. Any groundwater that tests more than the Preventive Action Limits (PAL) or Enforcement Standards (ES) for compounds listed in Chapter NR140 Groundwater Quality Standards requires an investigation and possible remediation. For a further explanation of WDNR rules and regulations, see Appendix E.

This report presents data collected during the Site Investigation. The purpose of this investigation was to:

- 1) Determine the extent and degree of petroleum contamination in the environment.
- 2) Determine if any risks exist to the environment or public health.
- 3) As conditions warrant, bring the site to closure.

### **1.1 Responsible Party Information**

Arlan Hanson P.O. Box 98 Osceola, WI 54020 (715) 294-3119 Ext. 105

### **1.2 Consultant Information**

#### Consultant

METCO Ronald J. Anderson P.G. Jason T. Powell 709 Gillette St., Ste 3 La Crosse, WI 54603 (608) 781-8879

### **Subcontractors**

Ground Source Inc. 3671 Monroe Road De Pere, WI 54115 (920) 336-3659 Synergy Environmental Lab 1990 Prospect Court Appleton, WI 54914 (920) 830-2455

#### 1.3 Site Location

Site address: 613 State Highway 35 Osceola, Wisconsin

Latitude and Longitude: 45° 17' 55" N and 92° 41' 55" W

WTM Coordinates: 308411, 539669

Township/Range: SW ¼, SE ¼, Section 34, Township 33 North, Range 19 West, Polk County

#### 1.4 Site History

Hanson Electric has owned the subject property since 1978. The property is used as on office and shop for the company. Prior to this, the property was vacant. On September 22, 1999, a 1,000 gallon unleaded gasoline UST was removed for from the subject property. The UST, which was used for fueling fleet vehicles, was installed in approximately 1985.

During the UST removal, four soil samples were collected from beneath the removed UST for field (PID) and /or laboratory (GRO and PVOC) analysis. Petroleum contamination was detected in soil samples #2, #3, and #4, which were collected from beneath the north end of the UST. Soil sample #2 was collected at 6 feet below ground surface (bgs) and showed 424 ppm GRO and several NR720 exceedances for PVOC compounds. Soil sample #3 was collected at 7 feet bgs and was only analyzed with a PID showing 172 ppm. Soil sample #4 was collected at 7.5 feet bgs and showed 15 ppm GRO and several low level detects for PVOC compounds. The petroleum contamination was reported to the WDNR, who then required that a LUST investigation be completed.

The nearest known LUST site is the Custom Fire Apparatus, Inc. sit (BRRTS# 03-49-270641), which exists approximately 3,700 feet to the northeast. This site does not appear to be close enough to be impacting or being impacted by the subject property.

## 2.0 GEOLOGY AND RECEPTORS

## 2.1 Regional and Local Geology and Hydrogeology

### **Topography and Regional Setting**

According to the USGS Hydrologic Atlas, Osceola is located in the central portion of the St. Croix River Basin. This area is characterized by a relatively flat glacial outwash plain and numerous kettle lakes.

The elevation of the site is approximately 895 feet above Mean Sea Level (MSL). See Appendix A for site location.

### Soil and Bedrock

Soil samples were described by METCO field personnel. Assisting literature included the Hydrologic Atlas, Wisconsin Geologic Logs, and Wisconsin Well Constructor Reports.

Geologic material in the area of investigation generally consists of of the following in downward stratigraphic order:

- From surface to approximately five feet exists brown sandy clay to clayey sand with gravel and cobbles.
- From approximately five feet to nine feet exists tan to orange to gray weathered dolomite.
- Competent dolomite bedrock was encountered at approximately nine feet.

Please note that this is a generalization of the local geology and may not be consistent throughout the entire investigation area.

No other characteristics concerning the local sediments such as structures, voids, layering, lenses or secondary permeability are documented at this time.

## Hydrogeology

Based on the local topography, groundwater is expected to exist at approximately 40-50 feet below ground surface. Local groundwater flow direction is unknown but expected to be toward the west to northwest.

We are not currently aware of any existing aquitards or perched water in this area.

#### 2.2 Receptors

#### Buildings, Basements, Sumps, Utility Corridors

The extent of soil contamination does not appear to extend underneath the onsite building located to the south of the removed UST area and the soil contamination plume exists greater than 8 feet horizontally and vertically from the building.

An underground electrical line and an underground phone line transect the area of residual soil contamination. However, since the utility corridors are likely filled with native soil, they are not likely to be acting as preferential contamination migration pathways.

#### Municipal and Private Water Supply Wells

The Village of Osceola municipal water supply extends as far south as the Osceola Medical Center, which is located approximately 800 feet to the north of the subject property. The nearest municipal well exists approximately 6,700 feet to the east-northeast of the subject property.

The subject property and surrounding properties are all served by private potable wells. There is one private well located on the subject property. The well for the property exists approximately 50 feet to the southwest of the former UST, and analytical results show no laboratory detects.

The on-site potable well location is shown on the Site Layout Map presented in Section 6.0.

The next nearest potable well (Tara Jackson) exists at least 170 feet to the northwest of the former UST's.

#### Surface Waters

The nearest surface water is St Croix River, which exists approximately  $1\frac{1}{2}$  miles to the northwest of the subject property.

## 3.0 SITE INVESTIGATION RESULTS, RISK CRITERIA

## 3.1 Methods of Investigation

#### Workscope

The workscope performed for the LUST Investigation included the following:

- 1) Collected site background information.
- 2) On August 16, 2011, METCO prepared a Field Procedures Workplan and Site Safety Plan.
- 3) On June 6, 2012 METCO completed six soil borings. Twenty-three soil samples were collected for field and/or laboratory analysis. A water sample was also collected from the on-site potable well for laboratory analysis.

### Site Access Problems

No significant site access problems were encountered during the site investigation.

### Analytical Methods

All samples were collected in a manner as to maintain their quality and to eliminate any possible cross contamination. METCO did not deviate from any WDNR or laboratory recommended procedures for sample collection, preservation, or transportation on this project to our knowledge.

Equipment advanced into the subsurface was cleaned between sampling locations. Cleaning consisted of washing with a biodegradable Alconox solution and rinsing with potable water. Disposable equipment was not cleaned, but immediately disposed of after use.

All samples were constantly kept on ice in a cooler and hand delivered to the laboratory.

## 3.2 Data Discussion

#### **Soil Sampling Data**

On September 22, 1999 during the UST removal project, four soil samples were collected for field analysis. Three of the samples was also submitted for laboratory analysis (GRO and PVOC).

On June 6, 2012, during the drilling project, six soil borings were completed with

twenty-three samples collected for field analysis. Fourteen of the soil samples were also submitted for laboratory analysis (GRO, PVOC, and Naphthalene).

Soil analytical results are summarized in the Soil Analytical Results Summary Tables with exceedances of the NR720 Soil Cleanup Standards noted.

Soil sample locations are presented in the site layout map found in Section 6. All data is presented in the data tables in Section 7. The laboratory reports are presented in Appendix B.

## **Potable Well Sampling Data**

On June 6, 2012, during the Drilling project, one water sample was collected from the on-site potable well and analyzed for VOC's (Method 524.2).

Potable well analytical results are summarized in the Groundwater Analytical Results Summary Table.

The potable well location is presented in the site layout map in Section 6. All data is presented in the data tables in Section 7. The lab reports are presented in Appendix B.

#### Laboratory Certification

Synergy Environmental Lab Wisconsin Lab Certification #445037560

#### 3.3 Permeability and Hydraulic Conductivities

Slug tests were not conducted during the investigation to date.

#### 3.4 Vapor Intrusion Assessment

The extent of soil contamination does not appear to extend underneath the onsite building located to the south of the removed UST area and the soil contamination plume exists greater than 5 feet horizontally and vertically from the building.

#### 3.5 Discussion of Results

The Tank Closure and Drilling Project clearly shows that released petroleum products have impacted the local soil.

The area of unsaturated soil contamination, which exceeds the NR720 Soil Cleanup Standards, appears to measure approximately 12 feet long, up to 8

feet wide, and up to 5 feet thick.

There is no known direct contact risk associated with the petroleum contaminated soils.

Potable well results show no laboratory detects for VOC's (Method 524.2).

Groundwater is expected to exist approximately 40-50 feet bgs. Based on the limited extent of soil contamination, impacts to groundwater do not appear likely.

To our knowledge, this investigation has not had any major difficulties, unanticipated results, or questionable results.

The Site Layout Map, Soil Contamination Map, and Geologic Cross section, which visually define the extent of contamination, are presented in Section 6.

## 3.6 Risk Screening Criteria

In accordance with current Department of Safety and Professional Services regulations, METCO has reviewed NR746.06(2) Risk Criteria For Screening Sites.

- a) The five Environmental Factors. These have been evaluated for the Hanson Electric site with the result that **one** of these factors are present at this time:
  - 1. <u>Documented expansion of plume margin:</u> Based on the drilling project, no evidence of plume expansion has been seen.
  - 2. <u>Verified contaminant concentrations in a private or public potable well</u> that exceeds the preventive action limit established under Chapter, <u>Stats. 160</u>: The water sample collected from the on-site potable well shows no detects for VOC compounds.
  - 3. <u>Contamination within bedrock or within one meter of bedrock:</u> petroleum contamination has migrated to bedrock.
  - Petroleum product that is not in the dissolved phase (floating product) is present with a thickness of 0.01 feet or more, and verified by more than one sampling event: Free product has not been encountered in any of the soil boring locations.
  - 5. <u>Documented contamination discharges to a surface water or wetland:</u> The petroleum contamination does not appear to have impacted any surface waters.
- b) <u>Soil contamination relative to Table 1 values.</u> No soil samples exceeded the NR746 Table 1 Values.

- c) <u>Soil contamination within 4 feet of the ground surface relative to Table 2</u> <u>values:</u> No soil samples collected within 4 feet of the ground surface exceeded the NR746 Table 2 Values.
- d) <u>Non-Table 2 contaminants of potential concern within 4 feet of the ground</u> <u>surface.</u> There were no Non-Table 2 contaminants of potential concern within 4 feet of the ground surface.
- e) Except for the substances listed in Table 2, there is no human health risk from direct contact for a substance listed in Table 1 if the substances' concentration is below the Table 1 soil screening level. No soil samples collected within 4 feet of the ground surface exceeded the NR746 Table 1 Values.
- f) <u>Time frame of the most recent petroleum-product contaminant release</u>. The release must be considered greater than 10 years, because the leaking UST system was removed in 1999.
- g) Evidence of petroleum product contamination within a utility corridor or within permeable material or soil along which vapors, free product or contaminated water may flow. An underground electrical line and an underground phone line transect the area of residual soil contamination. However, since the utility corridors are likely filled with native soil, they are not likely to be acting as preferential contamination migration pathways.
- b) Evidence of migration or imminent migration of petroleum product contamination to building foundation drain tile, sumps or other points of entry into a basement or other enclosed structure where petroleum vapors could collect and create odors or an adverse impact on indoor air quality or where contaminants may pose an explosion hazard. The extent of soil contamination does not appear to extend underneath the building and the plume exists greater than 5 feet horizontally and vertically from the building.
- i) Enforcement standard exceedances in groundwater within 1,000 feet of a well operated by a public utility, or within 100 feet of any other well used to provide water for human consumption. Because of the limited extent of soil contamination and estimated depth to groundwater, there were no groundwater samples collected during the site investigation.

## 3.7 Agency Jurisdiction

Based on the evaluation of the risk criteria, it does not appear that any high risk factors are present at the subject property. Therefore, it is the recommendation of METCO that the Hanson Electric site be transferred to the administrative authority of the Department of Safety and Professional Services (DSPS). Per NR746.03 definitions, as currently in effect, it is a "low risk" site.

## **4.0 CONCLUSIONS**

## 4.1 Investigation Summary

The Tank Closure and Drilling project clearly shows that released petroleum has impacted the local soil. Results of the investigation are as follows:

- Local unconsolidated material generally consists of sandy clay to clayey sand with gravel and cobbles from surface to approximately five feet below ground surface (bgs).
- Weathered dolomite was encountered from approximately five feet bgs to nine feet bgs. Competent dolomite bedrock auger refusal) was encountered at nine feet bgs.
- The area of unsaturated soil contamination, which exceeds the NR720 Soil Cleanup Standards, appears to measure approximately 12 feet long, up to 8 feet wide, and up to 5 feet thick.
- There is no known direct contact risk associated with the petroleum contaminated soils.
- Groundwater is expected to exist approximately 40-50 feet bgs. Based on the limited extent of soil contamination, impacts to groundwater do not appear likely.

According to the data collected during the investigation, it is the conclusion of METCO that under existing conditions and limitations, the extent and degree of petroleum contamination have been adequately defined in soil to warrant a completed investigation as defined by DSPS and WDNR guidelines and regulations.

## 4.2 Recommendations

Based on the site investigation results, METCO recommends the Hanson Electric site be "**closed**" for the for the following reason: 1) The extent and degree of petroleum contamination in soil has been adequately defined. 2) There is no known direct contact risk associated with the petroleum contaminated soil. 3) Groundwater does not appear to be impacted due to the depth to the water table. 4) Analytical results show no impacts to the on-site potable well. 5) Regarding vapor intrusion, there appears to be five feet of clean soil horizontally and vertically from the building.

Site closure will be conditional on listing on the WDNR GIS Registry for residual soil contamination. The necessary deed information and other details of the GIS Registry submittal process are presented in the GIS Registry Package. The \$200.00 GIS Registry fee (soil) has been forwarded to Danielle Wincentsen at the WDNR Northern Region Headquarters.

## 5.0 REFERENCES

Driscoll, F. G., 1986, Groundwater and Wells, St. Paul, Minnesota.

Fetter, C.W., 1988, Applied Hydrogeology, Columbus, Ohio.

Geologic Logs and Well Constructor Reports, Wisconsin Geological and Natural History Survey, Madison, Wisconsin.

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Walton, W.C., 1989, Groundwater Pumping Tests, Chelsea, Michigan.

Weston, R.F., 1987, Remedial Technologies for Leaking Underground Storage Tanks.

Young, H.L., and Hindall, S.M., 1973, Water Resources of Wisconsin – St. Croix River Basin, Hydrologic Investigations, Atlas HA-451, U.S. Geological Survey, Washington D.C.

Other information and data was collected from Arlan Hanson, Diggers Hotline, Ground Source Inc., Synergy Environmental Lab, Wisconsin Department of Natural Resources, Wisconsin Department of Safety and Professional Services, and local people.

## 6.0 FIGURES

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TOPO! map printed on 08/10/11 from "wisconsin.tpo" and "Untitled.tpg" 92°42.000' W WGS84 92°41.000' W













7.0 DATA TABLES, GRAPHS, AND STATISTICAL ANALYSIS

#### Soil Analytical Results Summary Hanson Electric BRRTS# 03-49-234619

| Sample         | Depth  | Date     | PID  | GRO   |         | Ethyl   |             | Naph-    |         | 1,2,4-Trime- | 1,3,5-Trime- | Xylene  |
|----------------|--------|----------|------|-------|---------|---------|-------------|----------|---------|--------------|--------------|---------|
| ID             | (feet) |          |      | (ppm) | Benzene | Benzene | MTBE        | thalene  | Toluene | thylbenzene  | thylbenzene  | (Total) |
|                |        |          |      |       | (ppb)   | (ppb)   | (ppb)       | (ppb)    | (ppb)   | (ppb)        | (ppb)        | (ppb)   |
| B-1-1          | 3.5    | 06/06/12 | 15   | <10   | <8.9    | <55     | <12         | <107     | <50     | <80          | <48          | <136    |
| B-1-2          | 6      | 06/06/12 | 0    |       |         |         |             | NOT SAMP | PLED    |              |              |         |
| B-1-3          | 8      | 06/06/12 | 0    | <10   | <25     | <25     | <25         | <25      | <25     | <25          | <25          | <75     |
| B-1-4          | 10     | 06/06/12 | 0    |       |         |         |             | NOT SAMP | PLED    |              |              |         |
| B-1-5          | 11     | 06/06/12 | 0    | <10   | <25     | <25     | <25         | <25      | <25     | <25          | <25          | <75     |
| B-2-1          | 3.5    | 06/06/12 | 0    | <10   | <2.5    | <25     | <25         | <25      | <25     | <25          | <25          | <75     |
| B-2-2          | 6      | 06/06/12 | 0    |       |         |         |             | NOT SAMP | PLED    |              |              |         |
| B-2-3          | 8      | 06/06/12 | 0    | <10   | <25     | <25     | <25         | <25      | <25     | <25          | <25          | <75     |
| B-2-4          | 10     | 06/06/12 | 0    |       |         |         |             | NOT SAMP | PLED    |              |              |         |
| B-2-5          | 11     | 06/06/12 | _0   | <10   | <25     | <25     | <25         | <25      | <25     | <25          | <25          | <75     |
| B-3-1          | 3.5    | 06/06/12 | 0    | 11    | 61      | <25     | <25         | <25      | <25     | 106          | 119          | 116     |
| B-3-2          | 6      | 06/06/12 | 0    |       |         |         |             | NOT SAMP | PLED    |              |              |         |
| B <b>-</b> 3-3 | 7      | 06/06/12 | 0    | <10   | <25     | <25     | <25         | <25      | <25     | <25          | <25          | <75     |
| B-4-1          | 3.5    | 06/06/12 | 0    | <10   | <25     | <25     | <25         | <25      | <25     | <25          | <25          | <75     |
| B-4-2          | 6      | 06/06/12 | 0    | <10   | <25     | <25     | <25         | <25      | <25     | <25          | <25          | _<75    |
| B-5-1          | 3.5    | 06/06/12 | 0    | <10   | <25     | <25     | <25         | <25      | <25     | <25          | <25          | <75     |
| B-5-2          | 6      | 06/06/12 | 0    |       |         |         |             | NOT SAMP | PLED    |              |              |         |
| B-5-3          | 6-8    | 06/06/12 |      |       |         |         | <u>NO R</u> | ECOVERY  |         |              |              |         |
| B-5-4          | 8.5    | 06/06/12 | 0    | <10   | <25     | <25     | <25         | <25      | <25     | <25          | <25          | <75     |
| B-6-1          | 3.5    | 06/06/12 | 0    | <10   | <25     | <25     | <25         | <25      | <25     | <25          | <25          | <75     |
| B-6-2          | 6      | 06/06/12 | 0    |       |         |         |             | NOT SAMP | PLED    |              |              |         |
| B-6-3          | 8      | 06/06/12 | 0    |       |         |         |             | NOT SAMP | PLED    |              |              |         |
| B-6-4          | 9      | 06/06/12 | 0    | <10   | <25     | <25     | <25         | <25      | <25     | <25          | <25          | <75     |
| #1             | 6      | 09/22/99 | 0    | <6.1  | <31     | <31     | <31         | NS       | <31     | <31          | <31          | <92     |
| #2             | 6      | 09/22/99 | 2120 | 424   | 1210    | 2420    | <600        | NS       | 8350    | 23000        | 10000        | 36300   |
| #3             | 7      | 09/22/99 | 172  |       |         |         |             | NOT SAMP | PLED    |              |              |         |
| #4             | 7.5    | 09/22/99 | 146  | 14.3  | <29     | 50      | <29         | NS       | 100     | 1030         | 502          | 957     |
| NR720          |        |          | 100  | 5.5   | 2900    |         |             | 1500     |         |              | 4100         |         |
| NR746 Table 1  |        |          |      | 8500  | 4600    |         | 2700        | 38000    | 83000   | 11000        | 42000        |         |
| NR746 Tab      | ole 2  |          |      |       | 1100    |         |             |          |         |              |              |         |

#### Bold = NR720 Exceedance

Bold/Underline = NR746 Exceedance

NS = Not Sampled

# Groundwater Analytical Results Summary Hanson Electric BRRTS# 03-49-234619

Sampling Conducted on June 6, 2012

|                                    |         | ENFORCE MENT STANDARD = | PREVENTIVE ACTION LIMIT = |
|------------------------------------|---------|-------------------------|---------------------------|
| VOC's                              | POTABLE | ES - Bolu               | FAL - 1(8803              |
| Well Name                          | WELL    |                         |                           |
| Panzanalaph                        | < 0.24  | 5                       | 0.5                       |
| Bromohonzono(nph                   | < 0.31  | ===                     | ==                        |
| Bromodehieremethanoloph            | < 0.33  | ==                      | <b>2</b> 22               |
| Broinouicnioroinetriane/ppu        | < 0.33  |                         | ***                       |
| Bromotorm/ppu                      | < 0.61  |                         | ==                        |
| tert-Butylbenzenelppo              | < 0.01  | 200 1000<br>100         | ==                        |
| sec-Butylbenzene/ppb               | < 0.25  |                         |                           |
| n-Butyibenzene/ppb                 | < 0.23  |                         | ==                        |
| Carbon Tetrachloride/ppb           | < 0.20  |                         | ==                        |
| Chlorobenzene/ppb                  | < 0.33  |                         |                           |
| Chloroethane/ppb                   | < 0.32  |                         |                           |
| Chloroform/ppb                     | < 0.3   |                         |                           |
| Chloromethane/ppb                  | < 0.23  |                         |                           |
| 2-Chlorotoluene/ppb                | < 0.39  | ==                      |                           |
| 4-Chlorotoluone/ppb                | < 0.21  | 83                      |                           |
| 1,2-Dibromo-3-chloropropane/ppb    | < 0.33  | ==                      |                           |
| Dibromochloromethane/ppb           | < 0.12  | ==                      | 52                        |
| 1,4-Dichlorobenzene/ppb            | < 0.22  | <b>2</b> 2              | ==                        |
| 1,3-Dichlorobenzene/ppb            | < 0.34  | ==                      | E II                      |
| 1,2-Dichlorobenzene/ppb            | < 0.3   | ==                      | ==                        |
| Dichlorodifluoromethane/ppb        | < 0.38  | ==                      | ==                        |
| 1,2-Dichloroethane/ppb             | < 0.37  | 5                       | 0.5                       |
| 1,1-Dichloroethane/ppb             | < 0.42  | ==                      | ==                        |
| 1,1-Dichloroethene/ppb             | < 0.38  | <b>—2</b>               | <u>=</u> =                |
| cis-1,2-Dichloroethene/ppb         | < 0.35  | ==                      | ==                        |
| trans-1,2-Dichloroethene/ppb       | < 1.9   | ==                      |                           |
| 1,2-Dichloropropane/ppb            | < 0.21  | ##                      | ==                        |
| 2,2-Dichloropropane/ppb            | < 0.37  | ==                      | 22                        |
| 1,3-Dichloropropane/ppb            | < 0.25  | <b>Z</b>                | ==                        |
| Di-isopropyl ether/ppb             | < 0.2   | ==                      | ==                        |
| EDB (1,2-Dibromoethane)/ppb        | < 0.27  | 0.05                    | 0.005                     |
| Ethylbenzene/ppb                   | < 0.31  | 700                     | 140                       |
| Hexachlorobutadiene/ppb            | < 0.26  | ==                      | 교설                        |
| lsopropylbenzene/ppb               | < 0.39  | ==                      | ==                        |
| p-Isopropyltoluene/ppb             | < 0.33  | ==                      |                           |
| Methylene chloride/ppb             | < 0.38  | **                      | ==                        |
| Methyl tert-butyl ether (MTBE)/ppb | < 0.34  | 60                      | 12                        |
| Naphthalene/ppb                    | < 0.16  | 100                     | 10                        |
| n-Propylbenzene/ppb                | < 0.24  | ==                      | ==                        |
| 1,1,2,2-Tetrachloroethane/ppb      | < 0.39  | ==                      | == .                      |
| 1,1,1,2-Tetrachloroethane/ppb      | < 0.4   | <b>*</b> *              | ==                        |
| Tetrachloroethene (PCE)/ppb        | < 0.39  | 5                       | 0.5                       |
| Toluene/ppb                        | < 0.14  | 800                     | 160                       |
| 1,2,4-Trichlorobenzene/ppb         | < 0.4   | <b>2</b> 2              | 22                        |
| 1,2,3-Trichlorobenzene/ppb         | < 0.39  | 22                      | ==                        |
| 1,1,1-Trichloroethane/ppb          | < 0.4   | ==                      | ==                        |
| 1,1,2-Trichloroethane/ppb          | < 0.38  | ==                      | ==                        |
| Trichloroethene (TCE)/ppb          | < 0.57  | 5                       | 0.5                       |
| Trichlorofluoromethane/ppb         | < 0.3   | ==                      | 17 II.                    |
| 1,2,4-Trimethylbenzene/ppb         | < 0.15  |                         |                           |
| 1,3,5-Trimethylbenzene/ppb         | < 0.092 | 460                     | 96                        |
| Vinyl Chloride/ppb                 | < 0.18  | 42                      | ==                        |
| m&p-Xylene/ppb                     | < 0.65  |                         |                           |
| o-Xylene/ppb                       | < 0.32  | 2000                    | 400                       |

NS = not sampled, NM = Not Measured

Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.

= = No Exceedences

## **APPENDIX A/ METHODS OF INVESTIGATION**

## **Drilling Project**

Soil borings were conducted by Ground Source Inc. of De Pere, Wisconsin, under the supervision of METCO personnel. Using a truck-mounted auger drill rig, all borings were completed in accordance with ASTM D-1452, "Soil Investigation and Sampling by Auger Boring," using 6.25-inch, inside-diameter (ID) augers. Soil sampling was conducted in accordance with ASTM D-1586 "Penetration Tests and Split-Barrel Sampling of Soils" using a 2-inch, outside-diameter (OD) 2.5-foot split spoon sampler. Using this procedure, a split spoon sampler is driven into the soil by a 140 pound weight falling 30 inches.

Field observations such as soil characteristics, petroleum odors, and petroleum staining were continuously noted throughout the drilling process.

The purpose of the Drilling Project and subsequent well installation/sampling was to investigate subsurface conditions and characteristics, verify the extent of petroleum contamination in local soil and groundwater, and collect aquifer data.

## **Field Screening**

Selected soil samples were scanned with a Model HW-101 HNU Photo-ionization Meter equipped with a 10.2 eV lamp. Metered calibrations were done at the beginning of each workday using an isobutylene standard. A quart sized Ziploc bag was filled, by gloved hand, one-third full with the sample. The Ziploc bags were sealed and shaken vigorously for 30 seconds. Headspace development was established by allowing the sample to rest for at least 15 minutes. If ambient temperatures are below 70 degrees Fahrenheit, headspace development takes place in a heated environment, which allows the sample enough time to establish satisfactory headspace. To take readings, the HNU probe was inserted through the Ziploc seal and the highest meter response recorded.

Throughout the field projects the HNU Meter did not encounter any vast temperature or humidity changes, malfunctions, repairs, or any other obvious interferences that would affect its results.

## **Potable Well Sampling**

The potable well sample for laboratory analysis was collected from a spigot off the side of the building which was not connected any water filtering or softening systems. The well was allowed to run for approximately 30 minuted before the sample was collected.

Field observations such as color, turbidity, petroleum odors, and petroleum sheens

associated with the collected samples were continuously noted throughout sampling.

## **Sample Preparation**

The volume of sample, size of container, and type of sample preservation was dependent on the specific parameter for which the sample was to be analyzed. Parameter specific information is presented in the LUST Sample Guidelines located in Appendix E.

## Field Sampling and Transportation Quality Control

All samples were collected in a manner as to maintain their quality and to eliminate any possible cross contamination. METCO did not deviate from any WDNR or laboratory recommended procedures for sample collection, preservation, or transportation on this project.

Equipment advanced into the subsurface was cleaned between sampling locations. Cleaning consisted of washing with a biodegradable Alconox solution and rinsing with potable water. Disposable equipment was not cleaned, but immediately disposed of after use.

All samples were constantly kept on ice in a cooler and hand delivered to the laboratory.

## Laboratory Quality Control

See Appendix B for the results of any field blanks, trip blanks, temperature blanks, lab spikes, split samples, replicate spikes, and duplicates.

## Investigative Wastes

No investigative waste was generated during the drilling project.

APPENDIX B/ ANALYTICAL METHODS & LABORATORY DATA REPORTS
# ANALYTICAL AND QUALITY CONTROL REPORT

**TestAmerica** 

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751

#### 10/04/199

Job No: 99.08492

Page 1 of 4

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

| Sample<br>Number | Sa | mple Description            | Date<br>Taken | Date<br>Received |
|------------------|----|-----------------------------|---------------|------------------|
| 366739           | #1 | #1964-0014-303-01 Riverview | 09/22/1999    | 09/24/1999       |
| 366740           | #2 | #1964-0014-303-01 Riverview | 09/22/1999    | 09/24/1999       |
| 366741           | #4 | #1964-0014-303-01 Riverview | 09/22/1999    | 09/24/1999       |

Soil results are reported on a dry weight basis. The above sample(s) may have a result flag shown on the report. The following are the re;ult flag definitions:

A = Analyzed/extracted past hold time

- C = Standard outside of control limits
- F = Sample filtered in lab
- H = Late eluting hydrocarbons present
- J =Estimated concentration
- M = Matrix interference
- Q = Result confirmed via re-analysis
- T = Does not match typical pattern
- X = Unidentified compound(s) present

- B = Blank is contaminated
- D = Diluted fo:: analysis
- G = Received past hold time
- I = Improperly handled sample
- L = Common lab solvent and contaminant
- P = Improperly preserved sample
- S = Sediment present
- $\dot{W} = BOD$  re-set due to missed dilution Z = Internal standard outside limits

Brian D. DeJong Organic Operations Manager

602 COMMERCE DRIVE / WATERTOWN, WI 53094 / 920-261-1660 / FAX: 1120-261-8120 WONR No. 128053530

# ANALYTICAL REPORT

**TestAmerica** 

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751

10/04/1999 Job No: 99.08492 Sample No: 366739 Accoun: No: 13800 Page 2 of 4

JOB DESCRIPTION: #1964-0014-303-01 Riverview Oil PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: #1 #1964-0014-303-01 Riverview Rec'd on ice

Date/Time Taken: 09/22/1999 08:40

Date Received: 09/24/1999

ŧ.

|                                    |        |           | Reportin | ĝ       | Date       | Prep/Run |
|------------------------------------|--------|-----------|----------|---------|------------|----------|
| Parameter                          | Resul  | ts Onits. | Limit    | Method  | Analyzed   | Batch    |
| Solids, Total<br>PVOC - NONAQUEOUS | . 81.4 | 客         | n/a      | £W 5030 | 09/30/1999 | 295      |
| Benzene                            | <31    | ug/kg     | 25       | SW 8020 | 10/01/1999 | 2454     |
| Ethylbenzene                       | <31    | ug/kg .   | 25       | SW 8020 | 10/01/1999 | 245      |
| Methyl-t-butyl ether               | <31    | ug/kg     | 25       | :W 8020 | 10/01/1999 | 245      |
| Toluene                            | <31    | ug/kg     | 25       | (W 8020 | 10/01/1999 | - 2454   |
| 1,2,4-Trimethylbenzene             | <31    | ug/kg     | 25       | EW 8020 | 10/01/1999 | 2454     |
| 1,3,5-Trimethylbenzene             | <31    | ug/kg     | 25       | SW 8020 | 10/01/1999 | 245      |
| Xylenes, Total                     | <92    | ug/kg     | 75       | SW 8020 | 10/01/1999 | 245      |
| GRO                                | <6.1   | mg/kg     | 5.0      | V DNR   | 10/01/1999 | 2454     |
| Surr: Bromofluorobenzene           | 99.0   | ş         | n/a      | SW 8020 | 10/01/1999 | 2454     |

# ANALYTICAL REPORT

**Test**America

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751 10/04/.999 Job No: 99.08492 Sample No: 366740 Account: No: 13800 Page 3 of 4

JOB DESCRIPTION: #1964-0014-303-01 Riverview Oil PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: #2 #1964-0014-303-01 Riverview Rec'd on ice

Date/Time Taken: 09/22/1999 08:45

Date Received: 09/24/1999

| Parameter                 | Result | s Units | Reportin<br>Limit | 9<br>Method | Date<br>Analyzed | Prep/Run<br>Batch |
|---------------------------|--------|---------|-------------------|-------------|------------------|-------------------|
| Solids, Total             | B2.6   | 8:      | n/a               | SW 5030     | 09/30/1999       | 2956              |
| Benzene                   | 1,210  | ug/kg   | 25                | :W 8020     | 10/01/1999       | 2454              |
| <sup>7</sup> Ethylbenzene | 2,420  | ug/kg - | 25                | (JW 8020    | 10/01/1999       | 2454              |
| Methyl-t-butyl ether      | <600   | ug/kg   | 25                | SW 8020     | 10/01/1999       | 2454              |
| Toluene                   | 8,350  | ug/kg   | 25                | SW 8020     | 10/01/1999       | 2454              |
| 1,2,4-Trimethylbenzene    | 23,000 | ug/kg   | 25                | SW 8020     | 10/01/1999       | 2454              |
| 1,3,5-Trimethylbenzene    | 10,000 | ug/kg   | 25                | IW 8020     | 10/01/1999       | 2454              |
| Xylenes, Total            | 36,300 | ug/kg   | 75                | IJW 8020    | 10/01/1999       | 2454              |
| GRO H                     | 424    | mg/kg   | 5,0               | IDNR        | 10/01/1999       | 2454              |
| -Surr: Bromofluorobenzene | 86.5   | ÷       | n/a               | HW 8020     | 10/01/1999       | 2454              |

# ANALYTICAL REPORT

Test/America

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751 10/04/1999 Job No: 99.08492 Sample No: 366741 Account No: 13800 Page 4 of 4

JOB DESCRIPTION: #1964-0014-303-01 Riverview Oil PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: #4 #1964-0014-303-01 Riverview Rec'd on ice

Date/Time Taken: 09/22/1999 08:50

Date Received: 09/24/1999

| ,                                  |   |        |         | Reporting | J       | Date       | Prep/Run |
|------------------------------------|---|--------|---------|-----------|---------|------------|----------|
| Parameter                          |   | Result | s Units | Limit     | Method  | Analyzed   | Batch    |
| Solids, Total<br>PVOC - NONAQUEOUS |   | 85.7   | 봕       | n/a       | SW 5030 | 09/30/1999 | 295      |
| Benzene                            |   | <29    | ug/kg   | 25        | SW 8020 | 10/01/1999 | 2454     |
| Ethylbenzene                       |   | 50     | ug/kg   | 25        | W 8020  | 10/01/1999 | 245      |
| Methyl-t-butyl ether               |   | <29    | ug/kg   | 25        | SW 8020 | 10/01/1999 | 245      |
| Toluene                            |   | 100    | ug/kg   | 25        | JN 8020 | 10/01/1999 | 2454     |
| 1,2,4-Trimethylbenzene             |   | 1,030  | ug/kg   | 25        | 3W 8020 | 10/01/1999 | 2454     |
| 1,3,5-Trimethylbenzene             |   | 502    | ug/kg   | 25        | W 8020  | 10/01/1999 | 245      |
| Xylenes, Total                     |   | 957    | ug/kg   | 75        | 3W 8020 | 10/01/1999 | 245      |
| GRO                                | H | 15     | mg/kg   | 5.0       | VDNR    | 10/01/1999 | 2454     |
| Surr: Bromofluorobenzene           |   | 97.0   | 2       | n/a       | 5W 8020 | 10/01/1999 | .2454    |

| Te        | st             | Лn                      |                                                                                                                 | COM<br>ADDE<br>PHO<br>PRO<br>PRO | PANY<br>RESS<br>NE<br>JECT<br>JECT<br>JECT | N C<br>Ce<br>LIS-<br>NAM<br>MAN. | DF<br>DA<br>DA<br>E/LO<br>BER<br>AGE |            | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                           |            |                                        |                |                               |                                             |                               |                      |                    |       | ·        |                                                                                    | e e e e e e e e e e e e e e e e e e e                                    | 09/21/99                                |

.

# Synergy Environmental Lab, 1990 Prospect Ct., Appleton, WI 54914 \*P 920-830-2455 \* F 920-733-0631

ARLAN HANSON ARLAN HANSON PO BOX 98 OSCEOLA, WI 54020

Report Date 18-Jun-12

| Project Name<br>Project #                             | HANSON E                                | LECTRIC |         |       |              |     | Invoi       | ce # E2389 | )3        |         |      |
|-------------------------------------------------------|-----------------------------------------|---------|---------|-------|--------------|-----|-------------|------------|-----------|---------|------|
| Lab Code<br>Sample ID<br>Sample Matrix<br>Sample Date | 5023893A<br>MEOH BL<br>Soil<br>6/6/2012 | ANK     |         |       |              |     |             |            |           |         |      |
|                                                       | 0.0.2012                                | Result  | Units   | LOD I | .00 I        | )il | Method      | Ext Date   | Run Date  | Analyst | Code |
| Organic                                               |                                         |         |         |       | - <b>.</b> . |     |             |            |           |         |      |
| GRO/PVOC +                                            | E Nanhthalen                            | e       |         |       |              |     |             |            |           |         |      |
| Gasoling Range O                                      | ranice                                  | < 10    | ma/ka   | 1.6   | 5.2          | 1   | GR005/8021  |            | 6/15/2012 | CIR     | 1    |
| Benzene                                               | iganics                                 | < 25    | nig/kg  | 2.0   | 9.2          | 1   | GRO95/8021  |            | 6/15/2012 | CIR     | 1    |
| Ethylhenzene                                          |                                         | < 25    | na/ka   | 2.5   | 8.2          | 1   | GRO95/8021  |            | 6/15/2012 | CIR     | 1    |
| Methyl tert-butyl o                                   | ether (MTBE)                            | <25     | í ng/kg | 8.1   | 26           | 1   | GRO95/8021  |            | 6/15/2012 | CIR     | 1    |
| Naphthalene                                           |                                         | < 25    | ug/kg   | 8.4   | 27           | 1   | GRO95/8021  |            | 6/15/2012 | CJR     | i    |
| Toluene                                               |                                         | < 25    | ug/kg   | 3.6   | 11           | i   | GRO95/8021  |            | 6/15/2012 | CJR     | i    |
| 1,2,4-Trimethylbe                                     | nzene                                   | < 25    | ug/kg   | 2.7   | 8.6          | 1   | GRO95/8021  |            | 6/15/2012 | CJR     | 1    |
| 1,3,5-Trimethylbe                                     | nzene                                   | < 25    | ug/kg   | 3     | 9.6          | 1   | GRO95/8021  |            | 6/15/2012 | CJR     | 1    |
| m&p-Xylene                                            |                                         | < 50    | ug/kg   | 5.2   | 17           | 1   | GRO95/8021  |            | 6/15/2012 | CJR     | 1    |
| o-Xylene                                              |                                         | < 25    | ug/kg   | 6.3   | 20           | Ι   | GRO95/8021  |            | 6/15/2012 | CJR     | **** |
| Lab Code                                              | 5023893B                                |         |         |       |              |     |             |            |           |         |      |
| Sample ID                                             | B-1-1                                   |         |         |       |              |     |             |            |           |         |      |
| Sample Matrix                                         | Soil                                    |         |         |       |              |     |             |            |           |         |      |
| Sample Date                                           | 6/6/2012                                |         |         |       |              |     |             |            |           |         |      |
| •                                                     |                                         | Result  | Units   | LOD I | .00 I        | Dil | Method      | Ext Date   | Run Date  | Analyst | Code |
| General                                               |                                         |         |         |       | _            |     |             |            |           | •       |      |
| General                                               |                                         |         |         |       |              |     |             |            |           |         |      |
| Solids Percent                                        |                                         | 89.3    | %       |       |              | 1   | 5021        |            | 6/12/2012 | MDK     | 1    |
| Organic                                               |                                         |         |         |       |              |     |             |            |           |         |      |
| General                                               |                                         |         |         |       |              |     |             |            |           |         |      |
| Carolina Davas O                                      |                                         | < 10    |         | 1.6   | 60           |     | CD 006/8021 |            | (115/2012 | om      | ,    |
| VOC's                                                 | rganics                                 | < 10    | mg/ĸg   | 1.0   | 5.2          | i   | GR095/8021  |            | 0/15/2012 | CIK     | i    |
| Benzene                                               |                                         | < 8.9   | ug/kg   | 8.9   | 28           | 1   | 8260B       |            | 6/11/2012 | CJR     | 1    |
| Bromobenzene                                          |                                         | < 14    | ug/kg   | 14    | 43           | i   | 8260B       |            | 6/11/2012 | CJR     | 1    |
| Bromodichlorome                                       | thane                                   | < 12    | ug/kg   | 12    | 37           | 1   | 8260B       |            | 6/11/2012 | CJR     | 1    |
| Bromoform                                             |                                         | < 20    | ug/kg   | 20    | 62           | 1   | 8260B       |            | 6/11/2012 | CJR     | 1    |

WI DNR Lab Certification # 445037560

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Lab Code5023893BSample IDB-1-1Sample MatrixSoilSample Date6/6/2012

| tot-Buyblenzene         < 54         ug/kg         54         173         1         26/061         6/11/2012         CIR         1           n-Buyblenzene         < 48         ug/kg         48         152         1         8260B         6/11/2012         CIR         1           Chaor Stankhoride         < 12         ug/kg         9.4         30         1         8260B         6/11/2012         CIR         1           Chaorostonare         < 4.4         ug/kg         9.4         30         1         8260B         6/11/2012         CIR         1           Chaorostonare         < 4.46         ug/kg         4.6         1.8         8200B         6/11/2012         CIR         1           2-Altorostoluene         < 4.64         ug/kg         76         2.45         1         8200B         6/11/2012         CIR         1           2-Altorostoluene         < 77         ug/kg         77         2.45         1         8200B         6/11/2012         CIR         1           1-3-Dichlonobencence         < 53         ug/kg         31         16         1         8200B         6/11/2012         CIR         1           1-3-Dichlonobencence         < 51                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -                              | Result       | Units          | LOD      | LOQ | Dil | Method         | Ext Date | Run Date  | Analyst | Code   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------|----------------|----------|-----|-----|----------------|----------|-----------|---------|--------|
| se-Buybbarzene         <1         ug/kg         11         162         1         8260B         6711/2012         CIR         1           Catbon Tetrachloride         <12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | tert-Butylbenzene              | < 54         | ug/kg          | 54       | 173 | 1   | 8260B          |          | 6/11/2012 | CJR     | I      |
| n-Butyfibezzne                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | sec-Butylbenzene               | < 51         | ug/kg          | 51       | 162 | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
| Carbon Tetrachloride         <12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | n-Butylbenzene                 | < 48         | ug/kg          | 48       | 152 | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
| Chloroberzene         < 9.4         ug/kg         9.4         10         1         8260B         6/11/2012         CIR         1           Chlorothane         < 46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Carbon Tetrachloride           | < 12         | ug/kg          | 12       | 39  | I   | 8260B          |          | 6/11/2012 | CJR     | l      |
| Chlorosthane         <142         ug/kg         142         452         1         8260B         611/2012         CIR         1           Chloromethane         <207                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Chlorobenzene                  | < 9.4        | ug/kg          | 9.4      | 30  | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
| Chlorom         < 46         ug/kg         46         146         1         \$200B         6/11/2012         CIR         1           2-Chloronchunen         < 84                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Chloroethane                   | < 142        | ug/kg          | 142      | 452 | 1   | 8260B          |          | 6/11/2012 | CJR     | i      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Chloroform                     | < 46         | ug/kg          | 46       | 146 | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Chloromethane                  | < 207        | ug/kg          | 207      | 658 | 1   | 8260B          |          | 6/11/2012 | CIR     | 1      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 2-Chlorotoluene                | < 84         | ug/kg          | 84       | 267 | 1   | 8260B          |          | 6/11/2012 | CIR     | i      |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4-Chlorotoluene                | < 76         | ue/ke          | 76       | 241 | Ì   | 8260B          |          | 6/11/2012 | CIR     | 1      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.2-Dibromo-3-chloropropane    | < 77         | ug/kg          | 77       | 245 | - E | 8260B          |          | 6/11/2012 | CIR     | 1      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Dibromochloromethane           | < 9.5        | ng/kg          | 95       | 30  | i   | 8260B          |          | 6/11/2012 | CIR     | 1      |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4-Dichlorobenzene              | < 52         | uø/kø          | 52       | 167 | 1   | 8260B          |          | 6/11/2012 | CIR     | 1      |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 3-Dichlorobenzene            | < 53         | ug/kg          | 53       | 170 | 1   | 8260B          |          | 6/11/2012 | CIR     | 1      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.2-Dichlombenzene             | < 51         | ив/Ка          | 51       | 164 | i   | 8260B          |          | 6/11/2012 | CIR     | 1      |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Dichtorodifluoromethaue        | < 12         | ug/kg          | 12       | 104 | ì   | 8260B          |          | 6/11/2012 | CIR     | 1      |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.2-Dichloroethane             | < 13         | ug/kg<br>ug/kg | 12       | 42  | 1   | 8260B          |          | 6/11/2012 | CIR     | 1      |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.1 Dichloroothous             | < 11         | ug/kg          | 13       | 42  | 1   | 8200D          |          | 6/11/2012 | CIR     | 1      |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1,1-Dichloroothane             | < 21         | ug/Kg          | 11       | 20  | 1   | 0200D          |          | 6/11/2012 | CIR     | 1      |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | cia 1.2 Diablemethana          | ~ 22         | ug/Kg          | 1.4      | 44  | 1   | 0200D<br>0260D |          | 0/11/2012 | CIR     | 1      |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | tung 1.2 Dichlaraethous        | < 14         | ug/Kg          | 22       | 44  | 1   | 8200D          |          | 6/11/2012 |         | L<br>r |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.2 Dishturananana             | < 22         | ug/kg          | 22       | 09  | 1   | 8200D          |          | 0/11/2012 |         | 1      |
| $ \begin{array}{cccccccccccccccccccccccccccccccccccc$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2.2 Dichlarannana              | > 11<br>< 22 | ug/kg          | 11       | 50  | 1   | 8200D          |          | 0/11/2012 | CIR     | 1      |
| $\begin{aligned} 1, j=1, j=1, j=1, j=1, j=1, j=1, j=1, j$                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2,2-Dichloropropane            | < 33         | ug/kg          | 33       | 104 | 1   | 8260B          |          | 6/11/2012 | CIK     | 1      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1,3-Dienioropropane            | < 11<br>< 17 | ug/kg          | 11       | 55  | 1   | 826013         |          | 6/11/2012 | CJK     | 1      |
| EDB (1,2-Ditromethate)< 17ug/kg175318260B $6/11/2012$ CJR1Hexachlorobutadiene< 95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Di-isopropyl ether             | < 47         | ug/kg          | 47       | 148 | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
| $ \begin{array}{c c c c c c c c c c c c c c c c c c c $                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | EDB (1,2-Dibromoethane)        | < [7         | ug/kg          | 17       | 54  | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
| Hexachlorobulation< 95ug/kg9530318260B $6/11/2012$ CJR1lsopropylbenzene< 53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Ethylbenzene                   | < 33         | ug/kg          | 22       | 175 | 1   | 8260B          |          | 6/11/2012 | CIR     | 1      |
| $\begin{split} \text{IsopropyIDefizence} & < 5.3 & ug/kg & 5.3 & 168 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ \text{Methylene chloride} & < 119 & ug/kg & 119 & 380 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ \text{Methylene chloride} & < 119 & ug/kg & 12 & 38 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ \text{Methylene chloride} & < 107 & ug/kg & 107 & 340 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ \text{Naphthalene} & < 107 & ug/kg & 107 & 340 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ \text{n-Propylbenzene} & < 5.3 & ug/kg & 53 & 169 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ 1,1,2.7 \text{-Tetrachloroethane} & < 20 & ug/kg & 20 & 64 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ 1,1,2.7 \text{-Tetrachloroethane} & < 24 & ug/kg & 24 & 78 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ \text{Toluene} & < 24 & ug/kg & 50 & 159 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ 1,2.4 \text{-Trichloroethane} & < 129 & ug/kg & 50 & 159 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ 1,2.4 \text{-Trichloroethane} & < 129 & ug/kg & 74 & 237 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ 1,2.3 \text{-Trichloroethane} & < 11 & ug/kg & 11 & 34 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ 1,2.4 \text{-Trichloroethane} & < 16 & ug/kg & 16 & 52 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ 1,1,1 \text{-Trichloroethane} & < 16 & ug/kg & 16 & 52 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ 1,1,2 \text{-Trichloroethane} & < 16 & ug/kg & 16 & 52 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ 1,2,4 \text{-Trinethylbenzene} & < 80 & ug/kg & 80 & 253 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ 1,2,4 \text{-Trimethylbenzene} & < 80 & ug/kg & 80 & 253 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ 1,2,4 \text{-Trimethylbenzene} & < 86 & ug/kg & 48 & 151 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ 1,3,5 \text{-Trimethylbenzene} & < 86 & ug/kg & 86 & 274 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ 1,3,5 \text{-Trimethylbenzene} & < 86 & ug/kg & 86 & 274 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ n Mchy-Xylene & < 86 & ug/kg & 86 & 274 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ n Mchy-Xylene & < 86 & ug/kg & 86 & 274 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ n Mchy-Xylene & < 86 & ug/kg & 86 & 274 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ n Mchy-Xylene & < 50 & ug/kg & 50 & 159 & 1 & 8260B & 6/11/2012 & CJR & 1 \\ n Mchy-Xy$ | riexachiorodinagiene           | < 95         | ug/Kg          | 59<br>52 | 303 | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Isopropylbenzene               | < 53         | ug/kg          | 55       | 168 | 1   | 8260B          |          | 6/11/2012 | CJR     |        |
| Methyletic chioride< 119ug/kg11938018260B $6/11/2012$ CJR1Methyletier (MTBE)< 12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | p-isopropynoluene              | < 45         | ug/Kg          | 45       | 143 | 1   | 82608          |          | 6/11/2012 | CJR     | 1      |
| Methyl teri-butyl teric (MTBE)< 12ug/kg1238i8260B $6/11/2012$ CJRiNaphthalene< 107                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Methylene chloride             | < 119        | ug/kg          | 119      | 380 | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
| Naphthalene< 107ug/kg107340i8260B $6/11/2012$ CJRin-Propylbenzene< 53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Methyl tert-butyl ether (MIBE) | < 12         | ug/kg          | 12       | 38  | E i | 8260B          |          | 6/11/2012 | CIR     | l      |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Naphthalene                    | < 107        | ug/kg          | 107      | 340 | 1   | 8260B          |          | 6/11/2012 | CIR     | 1      |
| 1, 1, 2, 2-1 etrachloroethane< 20ug/kg20641 $8260B$ $6/11/2012$ CJR11, 1, 1, 2-Tetrachloroethane< 41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | n-Propyloenzene                | < 53         | ug/kg          | 53       | 169 | 1   | 82608          |          | 6/11/2012 | CIR     | 1      |
| 1,1,2-1etrachloroethane< 41ug/kg41 $132$ 1 $8260B$ $6/11/2012$ CJR1Tetrachloroethene< 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1,1,2,2-1 etrachloroethane     | < 20         | ug/kg          | 20       | 64  | l   | 8260B          |          | 6/11/2012 | CIR     | 1      |
| letrachforoethene       < 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1,1,1,2-1 etrachloroethane     | < 41         | ug/kg          | 41       | 132 | I.  | 8260B          |          | 6/11/2012 | CJR     | 1      |
| Foluene       < 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | l etrachloroethene             | < 24         | ug/kg          | 24       | 78  | 1   | 8260B          |          | 6/11/2012 | CIR     | 1      |
| 1,2,4-Inchlorobenzene       < 74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | lohene                         | < 50         | ug/kg          | 50       | 159 | 1   | 8260B          |          | 6/11/2012 | CIR     | 1      |
| 1,2,3-1 richlorobenzene       < 129                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1,2,4-Trichlorobenzene         | < 74         | ug/kg          | 74       | 237 | l   | 82608          |          | 6/11/2012 | CJR     | l      |
| 1,1,1-1 richloroethane       < 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1,2,3-Trichlorobenzene         | < 129        | ug/kg          | 129      | 409 | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
| 1,1,2-1Trchloroethane       < 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1,1,1-Trichloroethane          | < [ ]        | ug/kg          | 11       | 34  | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
| Trichhoroethene (TCE)       < 17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1,1,2-Trichlomethane           | < 16         | ug/kg          | 16       | 52  | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
| Trichlorofluoromethane       < 43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Trichloroethene (TCE)          | < 17         | ug/kg          | 17       | 53  | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
| 1,2,4-Trimethylbenzene       < 80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Trichlorolluoromethane         | < 43         | ug/kg          | 43       | 137 | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
| 1,3,5-Trimethylbenzene       < 48                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1,2,4-Trimethylbenzene         | < 80         | ug/kg          | 80       | 253 | 1   | 8260B          |          | 6/11/2012 | CJR     | l      |
| Vinyl Chloride       < 16       ug/kg       16       49       1       8260B       6/11/2012       CJR       1         m&p-Xylenc       < 86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1,3,5-Trimethylbenzene         | < 48         | ug/kg          | 48       | 151 | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
| m&p-Xylene       < 86       ug/kg       86       274       1       8260B       6/11/2012       CJR       1         o-Xylene       < 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Vinyl Chloride                 | < 16         | ug/kg          | 16       | 49  | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
| o-Xylene       < 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | m&p-Xylene                     | < 86         | ug/kg          | 86       | 274 | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
| SUR - Toluene-d8       105       Rec %       1       8260B       6/11/2012       CJR       1         SUR - 1,2-Dichloroethane-d4       101       Rec %       1       8260B       6/11/2012       CJR       1         SUR - 4-Bromofluorobenzene       117       Rec %       1       8260B       6/11/2012       CJR       1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | o-Xylene                       | < 50         | ug/kg          | 50       | 159 | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
| SUR - 1,2-Dichloroethane-d4         101         Rec %         1         8260B         6/11/2012         CJR         1           SUR - 4-Bromofluorobenzene         117         Rec %         1         8260B         6/11/2012         CJR         1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SUR - Toluene-d8               | 105          | Rec %          |          |     | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
| SUR - 4-Bromofluorobenzene         117         Rec %         1         8260B         6/11/2012         CJR         1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | SUR - 1,2-Dichloroethane-d4    | 101          | Rec %          |          |     | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | SUR - 4-Bromofluorobenzene     | 117          | Rec %          |          |     | 1   | 8260B          |          | 6/11/2012 | CJR     | 1      |

WI DNR Lab Certification # 445037560

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| Project Name – I<br>Project #                                                                                                                                                                                                    | HANSON EI                                                                                     | LECTRIC                                                                               |                                                                               |                                                                  |                                                                                   | Invoi                                                                                                                      | ce # E2389 | )3                                                                                                                             |                                                                    |                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------|
| Lab Code<br>Sample ID<br>Sample Matrix<br>Sample Date<br>SUR - Dibromofluc                                                                                                                                                       | 5023893B<br>B-1-1<br>Soil<br>6/6/2012                                                         | Result<br>95                                                                          | Units<br>Rec %                                                                | LOĐ I                                                            | .OQ Dil                                                                           | Method<br>8260B                                                                                                            | Ext Date   | Run Date<br>6/11/2012                                                                                                          | Analyst<br>CJR                                                     | Code                                 |
| Lab Code<br>Sample ID<br>Sample Matrix<br>Sample Date                                                                                                                                                                            | 5023893C<br>B-1-3<br>Soil<br>6/6/2012                                                         | Dogult                                                                                | Unite                                                                         |                                                                  |                                                                                   | Mathod                                                                                                                     | Ext Data   | Run Data                                                                                                                       | Anglyst                                                            | Code                                 |
| General                                                                                                                                                                                                                          |                                                                                               | <b>ACSUII</b>                                                                         | Units                                                                         | LOD                                                              |                                                                                   | Incentou                                                                                                                   | BAC Date   | Kun Date                                                                                                                       | marjat                                                             | Couc                                 |
| General<br>Solids Percent                                                                                                                                                                                                        |                                                                                               | 91.3                                                                                  | %                                                                             |                                                                  | 1                                                                                 | 5021                                                                                                                       |            | 6/12/2012                                                                                                                      | MDK                                                                | 1                                    |
| Organic<br>GRO/PVOC +<br>Gasoline Range Or<br>Benzene<br>Ethylbenzene<br>Methyl tert-butyl et<br>Naphthalene<br>Toluene<br>1,2,4-Trimethylben<br>m&p-Xylene<br>o-Xylene<br>Lab Code<br>Sample ID<br>Sample Matrix<br>Sample Date | Naphthalend<br>ganics<br>ther (MTBE)<br>zene<br>zene<br>5023893D<br>B-1-5<br>Soil<br>6/6/2012 | e<br><10<br><25<br><25<br><25<br><25<br><25<br><25<br><25<br><50<br><25<br><50<br><25 | mg/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg          | 1.6<br>2.9<br>2.6<br>8.1<br>8.4<br>3.6<br>2.7<br>3<br>5.2<br>6.3 | 5.2 1<br>9.3 1<br>8.2 1<br>26 1<br>27 1<br>11 1<br>8.6 1<br>9.6 1<br>17 1<br>20 1 | GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021 | Ext Date   | 6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012 | CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR | 1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 |
| General                                                                                                                                                                                                                          |                                                                                               | ixesuit                                                                               | Onits                                                                         |                                                                  | LOQ DI                                                                            | nicinou                                                                                                                    | EAUDATE    | ixun Date                                                                                                                      | Anaryst                                                            | Conc                                 |
| General<br>Solids Percent<br>Organic                                                                                                                                                                                             |                                                                                               | 92.6                                                                                  | %                                                                             |                                                                  | I                                                                                 | 5021                                                                                                                       |            | 6/12/2012                                                                                                                      | MDK                                                                | ****                                 |
| GRO/PVOC +<br>Gasoline Range Or<br>Benzene<br>Ethylbenzene<br>Methyl tert-butyl e<br>Naphthałene<br>Toluene<br>1,2,4-Trimethylber<br>1,3,5-Trimethylber<br>m&p-Xylene<br>o-Xylene                                                | Naphthalen<br>ganics<br>ther (MTBE)<br>nzene<br>nzene                                         | e<br>< 10<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25             | mg/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg | 1.6<br>2.9<br>2.6<br>8.1<br>8.4<br>3.6<br>2.7<br>3<br>5.2<br>6.3 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$                              | GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021 |            | 6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012 | CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR |                                      |

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| Project Name  <br>Project #                                                                                                                                          | HANSON EI                             | LECTRIC                                                                      |                                                                               |                                                                  |                                                               |                                                               | Invoi                                                                                                                                    | ce # E2389 | 93                                                                                                                             |                                                                    |                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------|
| Lab Code<br>Sample ID<br>Sample Matrix<br>Sample Date                                                                                                                | 5023893E<br>B-2-1<br>Soil<br>6/6/2012 | <b>N</b> 1/                                                                  |                                                                               |                                                                  |                                                               |                                                               |                                                                                                                                          |            | <b>D</b>                                                                                                                       |                                                                    |                                           |
| Course                                                                                                                                                               |                                       | Result                                                                       | Units                                                                         | LOD                                                              | LUQ D                                                         | li                                                            | Wiethod                                                                                                                                  | Ext Date   | Run Date                                                                                                                       | Analyst                                                            | Code                                      |
| General<br>General<br>Solids Percent                                                                                                                                 |                                       | 85.8                                                                         | %                                                                             |                                                                  |                                                               | 1                                                             | 5021                                                                                                                                     |            | 6/12/2012                                                                                                                      | MDK                                                                | 1                                         |
| Organic                                                                                                                                                              |                                       |                                                                              |                                                                               |                                                                  |                                                               |                                                               |                                                                                                                                          |            |                                                                                                                                |                                                                    |                                           |
| GRO/PVOC +                                                                                                                                                           | Naphthalene                           | e                                                                            |                                                                               |                                                                  |                                                               |                                                               |                                                                                                                                          |            |                                                                                                                                |                                                                    |                                           |
| Gasoline Range Or<br>Benzene<br>Ethylbenzene<br>Methyl tert-butyl et<br>Naphthalene<br>Toluene<br>1,2,4-Trimethylben<br>1,3,5-Trimethylben<br>m&p-Xylene             | ganics<br>her (MTBE)<br>zene<br>zene  | <10<br><25<br><25<br><25<br><25<br><25<br><25<br><25<br><25<br><25<br><25    | mg/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg          | 1.6<br>2.9<br>2.6<br>8.1<br>8.4<br>3.6<br>2.7<br>3<br>5.2        | 5.2<br>9.3<br>8.2<br>26<br>27<br>11<br>8.6<br>9.6<br>17       | <br> <br> <br> <br> <br> <br> <br>                            | GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021                             |            | 6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012              | CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR        | 5<br>1<br>1<br>1<br>5<br>1<br>1<br>1<br>1 |
| o-Xylene                                                                                                                                                             |                                       | < 2.5                                                                        | ug/kg                                                                         | 6.3                                                              | 20                                                            | l                                                             | GRO95/8021                                                                                                                               |            | 6/15/2012                                                                                                                      | CJR                                                                | 1                                         |
| Lab Code<br>Sample ID<br>Sample Matrix<br>Sample Date                                                                                                                | 5023893F<br>B-2-3<br>Soil<br>6/6/2012 |                                                                              |                                                                               |                                                                  |                                                               |                                                               |                                                                                                                                          |            |                                                                                                                                |                                                                    |                                           |
| Consent                                                                                                                                                              |                                       | Result                                                                       | Units                                                                         | LOD 1                                                            | LOQ D                                                         | í I                                                           | Method                                                                                                                                   | Ext Date   | Run Date                                                                                                                       | Analyst                                                            | Code                                      |
| General<br>General<br>Solids Percent                                                                                                                                 |                                       | 91.5                                                                         | %                                                                             |                                                                  |                                                               | 1                                                             | 5021                                                                                                                                     |            | 6/12/2012                                                                                                                      | МДК                                                                | I                                         |
| Organic<br>GRO/PVOC +                                                                                                                                                | Naphthalene                           | 2                                                                            |                                                                               |                                                                  |                                                               | •                                                             | 2021                                                                                                                                     |            | 0112 0012                                                                                                                      |                                                                    | •                                         |
| Gasoline Range Or<br>Benzene<br>Ethylbenzene<br>Methyl tert-butyl et<br>Naphthalene<br>Toluene<br>I,2,4-Trimethylben<br>1,3,5-Trimethylben<br>m&p-Xylene<br>o-Xylene | ganics<br>her (MTBE)<br>zene<br>zene  | < 10<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 50<br>< 25 | mg/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg | 1.6<br>2.9<br>2.6<br>8.1<br>8.4<br>3.6<br>2.7<br>3<br>5.2<br>6.3 | 5.2<br>9.3<br>8.2<br>26<br>27<br>11<br>8.6<br>9.6<br>17<br>20 | ]<br> <br>1<br> <br>1<br> <br>1<br> <br>1<br> <br>1<br> <br>1 | GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021 |            | 6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012 | CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR | 1<br>1<br>1<br>1<br>1<br>1<br>1<br>1      |
| Lab Code<br>Sample ID<br>Sample Matrix<br>Sample Date                                                                                                                | 5023893G<br>B-2-5<br>Soil<br>6/6/2012 | Deput                                                                        |                                                                               |                                                                  | 100 0                                                         | 5                                                             | Mathad                                                                                                                                   | Est Date   | Dun Doto                                                                                                                       | A 1                                                                | Code                                      |
| General                                                                                                                                                              |                                       | result                                                                       | URITS                                                                         | LOD                                                              | LUQ D                                                         | 11                                                            | methoa                                                                                                                                   | EXI Date   | Run Date                                                                                                                       | Analyst                                                            | Code                                      |
| General<br>Solids Percent                                                                                                                                            |                                       | 94.6                                                                         | %                                                                             |                                                                  |                                                               | l                                                             | 5021                                                                                                                                     |            | 6/12/2012                                                                                                                      | MDK                                                                | ł                                         |
| Organic<br>GRO/RVOC 1                                                                                                                                                | Manhthalaus                           |                                                                              |                                                                               |                                                                  |                                                               |                                                               |                                                                                                                                          |            |                                                                                                                                |                                                                    |                                           |
| Gasoline Range On<br>Benzene                                                                                                                                         | raphinatene<br>ganics                 | < 10<br>< 25                                                                 | mg/kg<br>ug/kg                                                                | 1.6<br>2.9                                                       | 5.2<br>9.3                                                    | l                                                             | GRO95/8021<br>GRO95/8021                                                                                                                 |            | 6/15/2012<br>6/15/2012                                                                                                         | CJR<br>CJR                                                         | l<br>l                                    |

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| Project Name  <br>Project #                                                                                                                                                       | HANSON EI                                                | LECTRIC                                                                        |                                                                               |                                                                  |                                                                         | Invoi                                                                                                                                    | ce # E2389 | )3                                                                                                                             |                                                                    |                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------|
| Lab Code<br>Sample ID<br>Sample Matrix<br>Sample Date                                                                                                                             | 5023893G<br>B-2-5<br>Soil<br>6/6/2012                    |                                                                                |                                                                               |                                                                  |                                                                         |                                                                                                                                          |            |                                                                                                                                |                                                                    |                                                   |
| Ethylbenzene<br>Methyl tert-butyl e<br>Naphthalene<br>Toluene<br>1,2,4-Trimethylben<br>1,3,5-Trimethylben<br>m&p-Xylene<br>o-Xylene                                               | ther (MTBE)<br>izene<br>izene                            | Result<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 50<br>< 25 | Units<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg | LOD L<br>2.6<br>8.1<br>8.4<br>3.6<br>2.7<br>3<br>5.2<br>6.3      | OQ Dil<br>8.2  <br>26  <br>27  <br>11  <br>8.6  <br>9.6  <br>17  <br>20 | Method<br>GR095/8021<br>GR095/8021<br>GR095/8021<br>GR095/8021<br>GR095/8021<br>GR095/8021<br>GR095/8021<br>GR095/8021                   | Ext Date   | Run Date<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012               | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR    | Code<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 |
| Lab Code<br>Sample ID<br>Sample Matrix<br>Sample Date                                                                                                                             | 5023893H<br>B-3-1<br>Soil<br>6/6/2012                    |                                                                                |                                                                               |                                                                  |                                                                         |                                                                                                                                          |            |                                                                                                                                |                                                                    |                                                   |
| •                                                                                                                                                                                 |                                                          | Result                                                                         | Units                                                                         | LOD L                                                            | .OQ Dil                                                                 | Method                                                                                                                                   | Ext Date   | Run Date                                                                                                                       | Analyst                                                            | Code                                              |
| General<br>General<br>Solids Percent                                                                                                                                              |                                                          | 90.6                                                                           | %                                                                             |                                                                  | l                                                                       | 5021                                                                                                                                     |            | 6/12/2012                                                                                                                      | MDK                                                                | t                                                 |
| Organic                                                                                                                                                                           |                                                          |                                                                                |                                                                               |                                                                  |                                                                         |                                                                                                                                          |            |                                                                                                                                |                                                                    |                                                   |
| GRO/PVOC +<br>Gasoline Range Or<br>Benzene<br>Ethylbenzene<br>Methyl tert-butyl e<br>Naphthalene<br>Toluene<br>1,2,4-Trimethylber<br>1,3,5-Trimethylber<br>m&p-Xylene<br>o-Xylene | Naphthalend<br>ganics<br>ther (MTBE)<br>izene<br>izene   | 2<br>11<br>61<br><25<br><25<br><25<br><25<br>106<br>119<br>76<br>40            | mg/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg | 1.6<br>2.9<br>2.6<br>8.1<br>8.4<br>3.6<br>2.7<br>3<br>5.2<br>6.3 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$                    | GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021 |            | 6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012 | CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR |                                                   |
| Lab Code<br>Sample ID<br>Sample Matrix                                                                                                                                            | 5023893I<br>B-3-3<br>Soil                                |                                                                                |                                                                               |                                                                  |                                                                         |                                                                                                                                          |            |                                                                                                                                |                                                                    |                                                   |
| Sample Date                                                                                                                                                                       | 0/0/2012                                                 | Result                                                                         | Units                                                                         | LOD I                                                            | .OQ Dil                                                                 | Method                                                                                                                                   | Ext Date   | Run Date                                                                                                                       | Analyst                                                            | Code                                              |
| General<br>General<br>Solids Percent                                                                                                                                              | N                                                        | 92.7                                                                           | %                                                                             |                                                                  | J                                                                       | 5021                                                                                                                                     |            | 6/12/2012                                                                                                                      | MDK                                                                | 1                                                 |
| Organic                                                                                                                                                                           | XX 1.1 1                                                 |                                                                                |                                                                               |                                                                  |                                                                         |                                                                                                                                          |            |                                                                                                                                |                                                                    |                                                   |
| GRO/PVOC 4<br>Gasoline Range O<br>Benzene<br>Ethylbenzene<br>Methyl tert-butyl e<br>Naphthalene<br>Toluene<br>1,2,4-Trimethylber<br>1,3,5-Trimethylber<br>m&p-Xylene<br>o-Xylene  | - Naphthalen<br>rganics<br>ther (MTBE)<br>izene<br>izene | e<br>< 10<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25      | mg/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg | 1.6<br>2.9<br>2.6<br>8.1<br>8.4<br>3.6<br>2.7<br>3<br>5.2<br>6.3 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$                    | GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021 |            | 6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012 | CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR |                                                   |

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| Project Name – I<br>Project #                         | IANSON E                              | LECTRIC    |                |            |                | Invo        | ice # E2389 | 93        |         |        |
|-------------------------------------------------------|---------------------------------------|------------|----------------|------------|----------------|-------------|-------------|-----------|---------|--------|
| Lab Code<br>Sample ID<br>Sample Matrix<br>Sample Date | 5023893J<br>B-4-1<br>Soil<br>6/6/2012 | Dec. 14    | 11.24.         |            | 00 54          | В.Т. 41 1   | 10 d D.4-   | D D.(     | A       | C. J   |
| Canal                                                 |                                       | Result     | Units          | LOD I      | JOQ Dii        | Method      | Ext Date    | Run Date  | Analyst | Code   |
| General<br>General<br>Solids Percent                  |                                       | 91.2       | %              |            | l              | 5021        |             | 6/12/2012 | MDK     | 1      |
| Organic                                               |                                       |            |                |            |                |             |             |           |         |        |
| GRO/PVOC +                                            | Naphthalen                            | e          |                |            |                |             |             |           |         |        |
| Gasoline Range Or                                     | ganics                                | < 10       | mg/kg          | 1.6        | 5.2 1          | GRO95/8021  |             | 6/15/2012 | CJR     | 1      |
| Benzene                                               | -                                     | < 25       | ug/kg          | 2.9        | 9.3            | GRO95/8021  |             | 6/15/2012 | СJR     | 1      |
| Ethylbenzene                                          |                                       | < 25       | ug/kg          | 2.6        | 8.2 1          | GRO95/8021  |             | 6/15/2012 | CJR     | 1      |
| Methyl tert-butyl et                                  | her (MTBE)                            | < 25       | ug/kg          | 8.1        | 26 1           | GRO95/8021  |             | 6/15/2012 | CJR     | 1      |
| Naphthalene                                           |                                       | < 25       | ug/kg          | 8.4        | 27 1           | GRO95/8021  |             | 6/15/2012 | CIR     | 1      |
| 1 2 4-Trimethylben                                    | 76116                                 | < 25       | ug/kg          | 3.0<br>2.7 | 96 1           | GRO95/8021  |             | 6/15/2012 | CIR     | 1      |
| 1.3.5-Trimethylben                                    | zene                                  | < 25       | ug/kg          | 2.1        | 96 1           | GRO95/8021  |             | 6/15/2012 | CIR     | 1      |
| m&p-Xylene                                            |                                       | < 50       | ug/kg          | 5.2        | 17 1           | GRO95/8021  |             | 6/15/2012 | CJR     | i      |
| o-Xylene                                              |                                       | < 25       | ug/kg          | 6.3        | 20 I           | GRO95/8021  |             | 6/15/2012 | CJR     | i      |
| Lah Code                                              | 50238038                              |            |                |            |                |             |             |           |         |        |
| Samala ID                                             | 9023895K                              |            |                |            |                |             |             |           |         |        |
| Sample ID                                             | D-4-2                                 |            |                |            |                |             |             |           |         |        |
| Sample Matrix                                         | 5011                                  |            |                |            |                |             |             |           |         |        |
| Sample Date                                           | 6/6/2012                              | <b>N K</b> | <b>.</b>       | TOD T      | 00 00          |             |             |           |         | 0.1    |
| 0                                                     |                                       | Result     | Units          | LOD I      | JOQ DII        | Niethod     | Ext Date    | Run Date  | Analyst | Code   |
| General                                               |                                       |            |                |            |                |             |             |           |         |        |
| General                                               |                                       |            |                |            |                |             |             |           |         |        |
| Solids Percent                                        |                                       | 92.2       | %              |            | 1              | 5021        |             | 6/12/2012 | MDK     | I      |
| Organic                                               |                                       |            |                |            |                |             |             |           |         |        |
| GRO/PVOC+                                             | Naphthalen                            | e          |                |            |                |             |             |           |         |        |
| Gasoline Range Or                                     | ganics                                | < 10       | mg/kg          | 1.6        | 5.2 1          | GRO95/8021  |             | 6/15/2012 | CJR     | 1      |
| Ethylhenzene                                          |                                       | < 25       | ug/kg          | 2.9        | 9.3 L<br>8.2 L | GR095/8021  |             | 6/15/2012 | CIR     | 1      |
| Methyl tert-butyl et                                  | her (MTBE)                            | < 2.5      | ug/kg<br>ug/kg | 8.1        | 26 1           | GRO95/8021  |             | 6/15/2012 | CIR     | 1      |
| Naphthalene                                           | (                                     | < 25       | ug/kg          | 8.4        | 27 1           | GRO95/8021  |             | 6/15/2012 | CJR     | i      |
| Toluene                                               |                                       | < 2.5      | ug/kg          | 3.6        | 11 l           | GRO95/8021  |             | 6/15/2012 | CJR     | ł      |
| 1,2,4-Trimethylben                                    | zene                                  | < 25       | ug/kg          | 2.7        | 8.6 1          | GRO95/8021  |             | 6/15/2012 | CJR     | 1      |
| 1,3,5-Trimethylben                                    | zene                                  | < 25       | ug/kg          | 3          | 9.6 1          | GRO95/8021  |             | 6/15/2012 | CJR     | 1      |
| m&p-Aylene                                            |                                       | < 20       | ug/kg          | 5.2        | 1/ 1           | GRO95/8021  |             | 6/15/2012 | CIR     | l<br>T |
| Lab Code                                              | 5023893L                              | ~ 60 J     | ugrkg          | 0.5        | 20 1           | 01(09,98021 |             | 0/15/2012 | CIK     | t      |
| Sample ID                                             | B-5-1                                 |            |                |            |                |             |             |           |         |        |
| Sample Matrix                                         | Soil                                  |            |                |            |                |             |             |           |         |        |
| Sample Date                                           | 6/6/2012                              |            |                |            |                |             |             |           |         |        |
|                                                       |                                       | Result     | Units          | LOD I      | .OQ Dil        | Method      | Ext Date    | Run Date  | Analyst | Code   |
| General                                               |                                       |            |                |            |                |             |             |           | -       |        |
| General                                               |                                       |            |                |            |                |             | -           |           |         |        |
| Solids Percent                                        |                                       | 93.2       | %              |            | 1              | 5021        |             | 6/12/2012 | MDK     | 1      |
| Organic                                               |                                       |            |                |            | •              |             |             |           |         | •      |
| GRO/DVOC +                                            | Manhthalan                            | ۵          |                |            |                |             |             |           |         |        |
| Gasoline Passes Or                                    | rapituatene                           | ~ 10       |                | 3.6        | 50 1           | CPO05/0001  |             | CHESTODIO | CIP     | 1      |
| Benzene                                               | Sames                                 | < 25       | ng/kg          | 1.0<br>2.9 | 5.2 I<br>9.3 I | GRO95/8021  |             | 6/15/2012 | CIR     | 1<br>1 |
|                                                       |                                       |            | 0              |            | *              |             |             |           |         |        |
|                                                       |                                       |            |                |            |                |             |             |           |         |        |

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| Project Name<br>Project #                                                                                                                                                         | HANSON EI                                                 | LECTRIC                                                                            |                                                                      |                                                                  |                                                                                                                                                                                            | Invoi                                                                                                                      | ce # E2389 | )3                                                                                                                |                                                                    |                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------|
| Lab Code<br>Sample ID<br>Sample Matrix<br>Sample Date                                                                                                                             | 5023893L<br>B-5-1<br>Soil<br>6/6/2012                     |                                                                                    |                                                                      |                                                                  | 00 P.                                                                                                                                                                                      |                                                                                                                            |            |                                                                                                                   |                                                                    |                                                   |
| Ethylbenzene<br>Methyl tert-butyl e<br>Naphthalene<br>Toluene<br>1,2,4-Trimethylben<br>1,3,5-Trimethylben<br>m&p-Xylene<br>o-Xylene                                               | ther (MTBE)<br>nzene<br>nzene                             | Result<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 50<br>< 25     | Units<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg | LOD L<br>2.6<br>8.1<br>8.4<br>3.6<br>2.7<br>3<br>5.2<br>6.3      | $\begin{array}{c ccccc} OQ & D11 \\ 8.2 & 1 \\ 26 & 1 \\ 27 & 1 \\ 111 & 1 \\ 8.6 & 1 \\ 9.6 & 1 \\ 17 & 1 \\ 20 & 1 \end{array}$                                                          | Method<br>GR095/8021<br>GR095/8021<br>GR095/8021<br>GR095/8021<br>GR095/8021<br>GR095/8021<br>GR095/8021                   | Ext Date   | Run Date<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012               | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR    | Code<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 |
| Lab Code<br>Sample ID<br>Sample Matrix<br>Sample Date                                                                                                                             | 5023893M<br>B-5-4<br>Soil<br>6/6/2012                     |                                                                                    |                                                                      |                                                                  |                                                                                                                                                                                            |                                                                                                                            |            |                                                                                                                   |                                                                    |                                                   |
|                                                                                                                                                                                   |                                                           | Result                                                                             | Units                                                                | LOD L                                                            | OQ Dil                                                                                                                                                                                     | Method                                                                                                                     | Ext Date   | Run Date                                                                                                          | Analyst                                                            | Code                                              |
| General<br>General<br>Solids Percent                                                                                                                                              |                                                           | 93.3                                                                               | %                                                                    |                                                                  | 1                                                                                                                                                                                          | 5021                                                                                                                       |            | 6/12/2012                                                                                                         | MDK                                                                | 1                                                 |
| GRO/PVOC +<br>Gasoline Range Or<br>Benzene<br>Ethylbenzene<br>Methyl tert-butyl e<br>Naphthalene<br>Toluene<br>1,2,4-Trimethylber<br>1,3,5-Trimethylber<br>m&p-Xylene<br>o-Xylene | Naphthalene<br>ganics<br>ther (MTBE)<br>izene<br>izene    | <pre>&lt; 10 &lt; 25 &lt; 25</pre> | mg/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg | 1.6<br>2.9<br>2.6<br>8.1<br>8.4<br>3.6<br>2.7<br>3<br>5.2<br>6.3 | 5.2       1         9.3       1         8.2       1         26       1         27       1         11       1         8.6       1         9.6       1         17       1         20       1 | GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021 |            | 6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012 | CJR<br>GJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR        |                                                   |
| Lab Code<br>Sample ID<br>Sample Matrix<br>Sample Date                                                                                                                             | 5023893N<br>B-6-1<br>Soil<br>6/6/2012                     |                                                                                    |                                                                      |                                                                  |                                                                                                                                                                                            |                                                                                                                            |            |                                                                                                                   |                                                                    |                                                   |
| General<br>General<br>Solids Percent                                                                                                                                              |                                                           | Result                                                                             | Units<br>%                                                           | LOD L                                                            | OQ Dil                                                                                                                                                                                     | Method                                                                                                                     | Ext Date   | Run Date                                                                                                          | Analyst<br>MDK                                                     | Code                                              |
| Organic                                                                                                                                                                           |                                                           | <i>y</i> 0.7                                                                       | ,,                                                                   |                                                                  |                                                                                                                                                                                            | , , , , , , , , , , , , , , , , , , ,                                                                                      |            |                                                                                                                   |                                                                    | •                                                 |
| GRO/PVOC +<br>Gasoline Range On<br>Benzene<br>Ethylbenzene<br>Methyl tert-butyl e<br>Naphthalene<br>Toluene<br>1,2,4-Trimethylber<br>1,3,5-Trimethylber<br>m&n-Xylene             | - Naphthalene<br>rganics<br>ther (MTBE)<br>nzene<br>nzene | e<br>< 10<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25<br>< 25          | mg/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg<br>ug/kg | 1.6<br>2.9<br>2.6<br>8.1<br>8.4<br>3.6<br>2.7<br>3<br>5 2        | 5.2 1<br>9.3 1<br>8.2 1<br>26 1<br>27 1<br>11 1<br>8.6 1<br>9.6 1<br>17 1                                                                                                                  | GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021<br>GRO95/8021               |            | 6/16/2012<br>6/16/2012<br>6/16/2012<br>6/16/2012<br>6/16/2012<br>6/16/2012<br>6/16/2012<br>6/16/2012<br>6/16/2012 | CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR |                                                   |
| o-Xylene                                                                                                                                                                          |                                                           | < 25                                                                               | ug/kg                                                                | 6.3                                                              | 20 1                                                                                                                                                                                       | GRO95/8021                                                                                                                 |            | 6/16/2012                                                                                                         | CJR                                                                | 1                                                 |

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| Project Name – F<br>Project #                                | HANSON EI                             | LECTRIC          |                |               |                |        | Invoi          | ce # E2389 | 93        |          |        |
|--------------------------------------------------------------|---------------------------------------|------------------|----------------|---------------|----------------|--------|----------------|------------|-----------|----------|--------|
| Lab Code<br>Sample ID<br>Sample Matrix<br>Sample Date        | 5023893O<br>B-6-4<br>Soil<br>6/6/2012 |                  |                |               |                |        |                |            |           |          |        |
|                                                              |                                       | Result           | Units          | LOD           | LOQ Di         | l      | Method         | Ext Date   | Run Date  | Analyst  | Code   |
| General                                                      |                                       |                  |                |               |                |        |                |            |           |          |        |
| General                                                      |                                       |                  |                |               |                |        |                |            |           |          |        |
| Solids Percent                                               |                                       | 97.0             | %              |               |                | 1      | 5021           |            | 6/12/2012 | MDK      | i      |
| Organic<br>GRO/PVOC +                                        | Naphthalene                           | 9                |                |               |                |        |                |            |           |          |        |
| Gasoline Range Or                                            | ganics                                | < 10             | mg/kg          | 1.6           | 5.2            | 1      | GRO95/8021     |            | 6/16/2012 | CJR      | 1      |
| Benzene                                                      | -                                     | < 25             | ug/kg          | 2.9           | 9.3            | 1      | GRO95/8021     |            | 6/16/2012 | CJR      | 1      |
| Ethylbenzene                                                 |                                       | < 25             | ug/kg          | 2.6           | 8.2            | 1      | GRO95/8021     |            | 6/16/2012 | CJR      | I      |
| Methyl tert-butyl et                                         | her (MTBE)                            | < 25             | ug/kg          | 8.1           | 26             | 1      | GRO95/8021     |            | 6/16/2012 | CIR      | 1      |
| Naphthalene                                                  |                                       | < 25             | ug/kg          | 8.4           | 27             | 1      | GR095/8021     |            | 6/16/2012 | CIR      | 1      |
| 10iuene                                                      | 2010                                  | < 25             | ug/kg          | 3.0<br>3.7    | 86             | ז<br>1 | GR095/8021     |            | 6/16/2012 | CIR      | 1      |
| 1.3.5-Trimethylben                                           | zene                                  | < 25             | ug/kg          | 2.7           | 9.6            | 1      | GR095/8021     |            | 6/16/2012 | CJR      | i      |
| m&p-Xylene                                                   | Zene                                  | < 50             | ug/kg          | 5.2           | 17             | 1      | GRO95/8021     |            | 6/16/2012 | CJR      | I      |
| o-Xylene                                                     |                                       | < 25             | ug/kg          | 6.3           | 20             | 1      | GRO95/8021     |            | 6/16/2012 | CJR      | 1      |
| Lab Code                                                     | 50228020                              |                  |                |               |                |        |                |            |           |          |        |
| Samula ID                                                    | 1023031<br>TD                         |                  |                |               |                |        |                |            |           |          |        |
| Sample ID<br>Sample Mateir                                   | Deintring W                           | Lator            |                |               |                |        |                |            |           |          |        |
| Sample Matrix                                                | Drinking v                            | vater            |                |               |                |        |                |            |           |          |        |
| Sample Date                                                  | 6/6/2012                              | D14              | 11             | ron           | 100 D          | 1      | Mathad         | Ext Data   | Dun Data  | Anolvet  | Code   |
| 0                                                            |                                       | Result           | Units          | LOD           | LOQ DI         | 1      | wienioù        | Ext Date   | Kun Date  | Fanarysi | COAC   |
| Urganic                                                      |                                       |                  |                |               |                |        |                |            |           |          |        |
| VOC's                                                        |                                       |                  | 4              | 0.24          | 0.77           |        | 6010           |            | (115/2012 | CID      | 1      |
| Benzene                                                      |                                       | < 0.24           | ug/l           | 0.24          | 0.77           | 1      | 524.Z<br>524.2 |            | 6/15/2012 | CIR      | 1      |
| Bromodichloromet                                             | hane                                  | < 0.31           | ug/i<br>ug/i   | 0.31          | 11             | í      | 524.2          |            | 6/15/2012 | CJR      | i      |
| Bromoform                                                    | nane                                  | < 0.33           | ug/l           | 0.33          | 1.1            | i      | 524.2          |            | 6/15/2012 | CJR      | 1      |
| Bromomethane                                                 |                                       | < 0.61           | ug/l           | 0.61          | 1.9            | I      | 524.2          |            | 6/15/2012 | CJR      | L      |
| Carbon Tetrachlori                                           | de                                    | < 0.47           | ug/l           | 0.47          | 1,5            | 1      | 524.2          |            | 6/15/2012 | CJR      | 1      |
| Chlorobenzene                                                |                                       | < 0.25           | ug/l           | 0.25          | 0.78           | 1      | 524.2          |            | 6/15/2012 | CJR      | ł      |
| Chloroethane                                                 |                                       | < 1.1            | ug/I           | 0.20          | 5,4            | 1      | 524.2<br>524.2 |            | 6/15/2012 | CIR      | 1      |
| Chloromethane                                                |                                       | < 0.39           | 11g/1<br>11g/1 | 0.37          | 1              | i<br>I | 524.2          |            | 6/15/2012 | CJR      | 1      |
| 2-Chlorotoluene                                              |                                       | < 0.3            | ug/l           | 0.3           | 0.94           | i      | 524.2          |            | 6/15/2012 | CJR      | 1      |
| 4-Chlorotoluene                                              |                                       | < 0.25           | ug/l           | 0.25          | 0.78           | ι      | 524.2          |            | 6/15/2012 | CJR      | 1      |
| Dibromochloromet                                             | hane                                  | < 0.39           | ug/l           | 0.39          | 1.3            | l      | 524.2          |            | 6/15/2012 | CJR      | l      |
| Dibromomethane                                               |                                       | < 0.21           | ug/l           | 0.21          | 0.66           | {      | 524.2          |            | 6/15/2012 | CIR      | l      |
| l,4-Dichlorobenzer                                           | ne                                    | < 0.33           | ug/t           | 0.33          | ן<br>היע       | -      | 524.Z          |            | 6/15/2012 | CIR      | 1      |
| L 2 Dichlorobenzer                                           | ne                                    | < 0.12           | ug/t<br>ug/t   | 0.12          | 0.38           | ÷      | 524.2          |            | 6/15/2012 | CIR      | 1      |
| Dichlorodifluorom                                            | ethane                                | < 0.22           | ug/1           | 0.22          | 1.1            | i      | 524.2          |            | 6/15/2012 | CJR      | 1      |
| 1,2-Dichloroethane                                           | 3                                     | < 0.3            | ug/l           | 0.3           | 0.96           | }      | 524.2          |            | 6/15/2012 | CJR      | 1      |
| 1,1-Dichloroethane                                           | 3                                     | < 0.38           | ug/l           | 0.38          | 1.2            | j      | 524.2          |            | 6/15/2012 | CJR      | 1      |
| 1,1-Dichloroethene                                           | 2                                     | < 0.37           | ug/l           | 0.37          | 1.2            | 1      | 524.2          |            | 6/15/2012 | CJR      | l      |
| cis-1,2-Dichloroeth                                          | tene                                  | < 0.42           | ug/l           | 0.42          | 1.3            | 1      | 524.2          |            | 6/15/2012 | CIR      | t<br>s |
| trans-1,2-Dichloro                                           | ethene                                | < U.38<br>< 0.35 | ug/t           | 0.38<br>5 C D | 1.2            | ו<br>1 | 524.2<br>524.2 |            | 6/15/2012 | CIR      | 1      |
| <ol> <li>z-Dichloropropa</li> <li>2-Dichloropropa</li> </ol> | ne                                    | < 1 Q            | ug/i<br>no/l   | 10.55         | , 1.1<br>) 5.9 | 1      | 524.2          |            | 6/15/2012 | CJR      | j      |
| 1.3-Dichloropropa                                            | ne                                    | < 0.21           | ug/l           | 0.21          | 0.66           | i      | 524.2          |            | 6/15/2012 | CJR      | j      |
| trans-1.3-Dichlorot                                          | propene                               | < 0.37           | ug/l           | 0.37          | 1.2            | ł      | 524.2          |            | 6/15/2012 | CJR      | 1      |
| cis-1,3-Dichloropr                                           | opene                                 | < 0.25           | ug/l           | 0.25          | 0.78           | 1      | 524.2          |            | 6/15/2012 | CJR      | 1      |
|                                                              |                                       |                  |                |               |                |        |                |            |           |          |        |

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Lab Code5023893PSample IDTBSample MatrixDrinking WaterSample Date6/6/2012

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 1.1-Dichloropropene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | < 0.2                                                                                                                                                                                                                                                         | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.2                                                                                                                                                                | 0.64                                                                                                                          | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| Ethylbenzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | < 0.27                                                                                                                                                                                                                                                        | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.27                                                                                                                                                               | 0.85                                                                                                                          | ]                                                                                             | 524,2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| Hexachlorobutadiene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | < 0.31                                                                                                                                                                                                                                                        | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.31                                                                                                                                                               | 0.98                                                                                                                          | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| Isopropylbenzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | < 0.26                                                                                                                                                                                                                                                        | ug/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.26                                                                                                                                                               | 0.82                                                                                                                          | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| p-lsopropyltoluene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | < 0.39                                                                                                                                                                                                                                                        | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.39                                                                                                                                                               | 1.3                                                                                                                           | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| Methylene chloride                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | < 0.33                                                                                                                                                                                                                                                        | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.33                                                                                                                                                               | 1.1                                                                                                                           | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| Methyl tert-butyl ether (MTBE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | < 0.38                                                                                                                                                                                                                                                        | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.38                                                                                                                                                               | 1.2                                                                                                                           | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| Naphthalene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | < 0.34                                                                                                                                                                                                                                                        | ug/]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.34                                                                                                                                                               | 1.1                                                                                                                           | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| Styrene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | < 0.16                                                                                                                                                                                                                                                        | ug/i                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.16                                                                                                                                                               | 0.5                                                                                                                           | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| 1.1.2.2-Tetrachloroethane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | < 0.24                                                                                                                                                                                                                                                        | ug/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.24                                                                                                                                                               | 0.76                                                                                                                          | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| 1.1.1.2-Tetrachloroethane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | < 0.39                                                                                                                                                                                                                                                        | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.39                                                                                                                                                               | 1.3                                                                                                                           | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | l                                                                                                   |
| Tetrachloroethene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | < 0.4                                                                                                                                                                                                                                                         | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.4                                                                                                                                                                | 1.3                                                                                                                           | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | ł                                                                                                   |
| Toluene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | < 0.39                                                                                                                                                                                                                                                        | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.39                                                                                                                                                               | 1.2                                                                                                                           | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | ł                                                                                                   |
| 1.2.4-Trichlorobenzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.14                                                                                                                                                                                                                                                        | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.14                                                                                                                                                               | 0.45                                                                                                                          | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| 1.1.1-Trichloroethane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | < 0.4                                                                                                                                                                                                                                                         | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.4                                                                                                                                                                | 1.3                                                                                                                           | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| 1.1.2-Trichloroethane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | < 0.39                                                                                                                                                                                                                                                        | ug/t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.39                                                                                                                                                               | 1.3                                                                                                                           | ŧ                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| Trichloroethene (TCE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | < 0.4                                                                                                                                                                                                                                                         | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.4                                                                                                                                                                | 1.3                                                                                                                           | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| Trichlorofluoromethane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.38                                                                                                                                                                                                                                                        | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.38                                                                                                                                                               | 1.2                                                                                                                           | i                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| 1.2.3-Trichloronronane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.57                                                                                                                                                                                                                                                        | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.57                                                                                                                                                               | 1.8                                                                                                                           | ī                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| Trichtorotrifluoroethane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | < 0.3                                                                                                                                                                                                                                                         | ug/1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.3                                                                                                                                                                | 0.96                                                                                                                          | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | СJR                                                                           | 1                                                                                                   |
| 1.2.4-Trimethylbenzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | < 0.15                                                                                                                                                                                                                                                        | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.15                                                                                                                                                               | 0.47                                                                                                                          | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| 1.3.5-Tranethylitenzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | < 0.092                                                                                                                                                                                                                                                       | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.092                                                                                                                                                              | 0.29                                                                                                                          | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| Vinvi Chloride                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | < 0.18                                                                                                                                                                                                                                                        | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.18                                                                                                                                                               | 0.56                                                                                                                          | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | 1                                                                                                   |
| m&n-Xylene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | < 0.65                                                                                                                                                                                                                                                        | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.65                                                                                                                                                               | 2.1                                                                                                                           | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | l                                                                                                   |
| o-Xvlene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | < 0.32                                                                                                                                                                                                                                                        | ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.32                                                                                                                                                               | 1                                                                                                                             | 1                                                                                             | 524.2                                                                                                                                                                                                                          |          | 6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CJR                                                                           | l                                                                                                   |
| Sample ID POTABL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | E WELL                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                    |                                                                                                                               |                                                                                               |                                                                                                                                                                                                                                |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                               |                                                                                                     |
| Sample IDPOTABLISample MatrixDrinking VSample Date6/6/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | E WELL<br>Water                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                    |                                                                                                                               |                                                                                               |                                                                                                                                                                                                                                |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                               | <i>c</i>                                                                                            |
| Sample IDPOTABLISample MatrixDrinking YSample Date6/6/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | E WELL<br>Water<br>Result                                                                                                                                                                                                                                     | Units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LOD                                                                                                                                                                | LOQ                                                                                                                           | Dil                                                                                           | Method                                                                                                                                                                                                                         | Ext Date | Run Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Analyst                                                                       | Code                                                                                                |
| Sample IDPOTABLISample MatrixDrinking YSample Date6/6/2012Organic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | E WELL<br>Water<br>Result                                                                                                                                                                                                                                     | Units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LOD                                                                                                                                                                | LOQ                                                                                                                           | Dil                                                                                           | Method                                                                                                                                                                                                                         | Ext Date | Run Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Analyst                                                                       | Code                                                                                                |
| Sample IDPOTABLISample MatrixDrinking YSample Date6/6/2012OrganicVOC's                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | E WELL<br>Water<br>Result                                                                                                                                                                                                                                     | Units                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LOD                                                                                                                                                                | LOQ                                                                                                                           | Dil                                                                                           | Method                                                                                                                                                                                                                         | Ext Date | Run Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Analyst                                                                       | Code                                                                                                |
| Sample ID     POTABLI       Sample Matrix     Drinking Y       Sample Date     6/6/2012       Organic     VOC's       Benzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | E WELL<br>Water<br>Result<br>< 0.24                                                                                                                                                                                                                           | Units<br>ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LOD<br>0.24                                                                                                                                                        | LOQ<br>0.77                                                                                                                   | Dil                                                                                           | Method                                                                                                                                                                                                                         | Ext Date | Run Date<br>6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Analyst<br>CJR                                                                | Code                                                                                                |
| Sample ID     POTABLI       Sample Matrix     Drinking Y       Sample Date     6/6/2012       Organic     VOC's       Benzene     Bromobenzene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | E WELL<br>Water<br>Result<br>< 0.24<br>< 0.31                                                                                                                                                                                                                 | Units<br>ug/l<br>ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LOD<br>0.24<br>0.31                                                                                                                                                | LOQ<br>0.77<br>0.99                                                                                                           | Dil<br>1                                                                                      | <b>Method</b><br>524.2<br>524.2                                                                                                                                                                                                | Ext Date | Run Date<br>6/15/2012<br>6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Analyst<br>CJR<br>CJR                                                         | Code                                                                                                |
| Sample ID     POTABLI       Sample Matrix     Drinking Y       Sample Date     6/6/2012       Organic     VOC's       Benzene     Bromobenzene       Bromodichloromethane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | E WELL<br>Water<br>Result<br>< 0.24<br>< 0.31<br>< 0.33                                                                                                                                                                                                       | Units<br>ug/l<br>ug/l<br>ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.24<br>0.31<br>0.33                                                                                                                                               | LOQ<br>0.77<br>0.99<br>1.1                                                                                                    |                                                                                               | <b>Method</b><br>524.2<br>524.2<br>524.2<br>524.2                                                                                                                                                                              | Ext Date | Run Date<br>6/15/2012<br>6/15/2012<br>6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Analyst<br>CJR<br>CJR<br>CJR<br>CJR                                           | Code<br>I<br>I                                                                                      |
| Sample ID     POTABLI       Sample Matrix     Drinking T       Sample Date     6/6/2012       Organic     6/6/2012       Organic     VOC's       Benzene     Bromobenzene       Bromobenzene     Bromodichloromethane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | E WELL<br>Water<br>Result<br><0.24<br><0.31<br><0.33<br><0.33                                                                                                                                                                                                 | Units<br>ug/l<br>ug/l<br>ug/i<br>ug/i                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LOD<br>0.24<br>0.31<br>0.33<br>0.33                                                                                                                                | 0.77<br>0.99<br>1.1<br>1.1                                                                                                    |                                                                                               | <b>Method</b><br>524.2<br>524.2<br>524.2<br>524.2<br>524.2                                                                                                                                                                     | Ext Date | <b>Run Date</b><br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR                                    | Code<br>I<br>I<br>I                                                                                 |
| Sample ID     POTABLI       Sample Matrix     Drinking T       Sample Date     6/6/2012       Organic     6/6/2012       Organic     VOC's       Benzene     Bromobenzene       Bromodichloromethane     Bromodichloromethane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | E WELL<br>Water<br>Result<br>< 0.24<br>< 0.31<br>< 0.33<br>< 0.61                                                                                                                                                                                             | Units<br>ug/l<br>ug/l<br>ug/l<br>ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.24<br>0.31<br>0.33<br>0.33<br>0.61                                                                                                                               | 0.77<br>0.99<br>1.1<br>1.1<br>1.9                                                                                             |                                                                                               | <b>Method</b><br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2                                                                                                                                                            | Ext Date | <b>Run Date</b><br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR                      | Code<br>I<br>I<br>I<br>I                                                                            |
| Sample ID     POTABLI       Sample Matrix     Drinking T       Sample Date     6/6/2012       Organic     6/6/2012       Organic     8       VOC's     8       Bromobenzene     8       Bromodichloromethane     8       Bromoform     8       Bromothane     7       Carbon Tetrachloride                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | E WELL<br>Water<br>Result<br>< 0.24<br>< 0.31<br>< 0.33<br>< 0.33<br>< 0.61<br>< 0.47                                                                                                                                                                         | Units<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.24<br>0.31<br>0.33<br>0.33<br>0.61<br>0.47                                                                                                                       | 0.77<br>0.99<br>1.1<br>1.1<br>1.9<br>1.5                                                                                      |                                                                                               | Method<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2                                                                                                                                                 | Ext Date | <b>Run Date</b><br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR               | Code<br>I<br>I<br>I<br>I<br>I<br>I                                                                  |
| Sample ID     POTABLI       Sample Matrix     Drinking T       Sample Date     6/6/2012       Organic     6/6/2012       Organic     6/6/2012       Organic     80000       Benzene     80000       Bromobenzene     80000       Bromodichloromethane     80000       Bromoform     80000       Bromomethane     60000       Carbon Tetrachloride     60000       Chlorobenzene     80000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | E WELL<br>Water<br>Result<br>< 0.24<br>< 0.31<br>< 0.33<br>< 0.33<br>< 0.61<br>< 0.47<br>< 0.25                                                                                                                                                               | Units<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.24<br>0.31<br>0.33<br>0.61<br>0.47<br>0.25                                                                                                                       | 0.77<br>0.99<br>1.1<br>1.1<br>1.9<br>1.5<br>0.78                                                                              |                                                                                               | Method<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2                                                                                                                                        | Ext Date | <b>Run Date</b><br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR | Code<br>I<br>I<br>I<br>I<br>I<br>I<br>I                                                             |
| Sample ID     POTABLI       Sample Matrix     Drinking T       Sample Date     6/6/2012       Organic     6/6/2012       Organic     6/6/2012       Organic     8       VOC's     8       Benzene     8       Bromobenzene     8       Bromodichloromethane     6       Carbon Tetrachloride     6       Chlorobenzene     6       Chlorobenzene     6       Chloroethane     6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | E WELL<br>Water<br>Result<br>< 0.24<br>< 0.31<br>< 0.33<br>< 0.33<br>< 0.61<br>< 0.47<br>< 0.25<br>< 1.1                                                                                                                                                      | Units<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.24<br>0.31<br>0.33<br>0.61<br>0.47<br>0.25<br>1.1                                                                                                                | LOQ<br>0.77<br>0.99<br>1.1<br>1.9<br>1.5<br>0.78<br>3.4                                                                       | Dil<br>1<br>1<br>1<br>1<br>1                                                                  | Method<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2                                                                                                                               | Ext Date | <b>Run Date</b><br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR | Code<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I                                                   |
| Sample ID     POTABLI       Sample Matrix     Drinking Y       Sample Date     6/6/2012       Organic     6/6/2012       Organic     6/6/2012       Organic     8       Benzene     8       Bromobenzene     8       Bromodichloromethane     8       Carbon Tetrachloride     6       Chlorobenzene     6       Chlorobenane     6       Chloroform     8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | E WELL<br>Water<br>Result<br><0.24<br><0.31<br><0.33<br><0.61<br><0.47<br><0.25<br><1.1<br><0.39                                                                                                                                                              | Units<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.24<br>0.31<br>0.33<br>0.61<br>0.47<br>0.25<br>1.1<br>0.39                                                                                                        | LOQ<br>0.77<br>0.99<br>1.1<br>1.9<br>1.5<br>0.78<br>3.4<br>1.2                                                                |                                                                                               | Method<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2                                                                                                                      | Ext Date | Run Date<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR | Code<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I                               |
| Sample ID     POTABLI       Sample Matrix     Drinking Y       Sample Date     6/6/2012       Organic     6/6/2012       Organic     8       VOC's     8       Benzene     8       Bromobenzene     8       Bromodichloromethane     8       Bromomethane     2       Carbon Tetrachloride     2       Chlorobenzene     2       Chloroform     2       Chloroform     2       Chloromethane     3       Chloromethane     3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | E WELL<br>Water<br>Result<br>< 0.24<br>< 0.31<br>< 0.33<br>< 0.61<br>< 0.47<br>< 0.25<br>< 1.1<br>< 0.39<br>< 0.32                                                                                                                                            | Units<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.24<br>0.31<br>0.33<br>0.47<br>0.47<br>0.25<br>1.1<br>0.39<br>0.32                                                                                                | LOQ<br>0.77<br>0.99<br>1.1<br>1.1<br>1.9<br>1.5<br>0.78<br>3.4<br>1.2<br>1                                                    | Dil<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1                                                   | Method<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2                                                                                                    | Ext Date | Run Date<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR | Code<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1                                              |
| Sample ID     POTABLI       Sample Matrix     Drinking T       Sample Date     6/6/2012       Organic     6/6/2012       Benzene     Bromobenzene       Chlorobenzene     6/1000       Chloroform     6/1000       Chloroform     6/1000       Chlorotoluene     7/200                                                                                                                                                                      | E WELL<br>Water<br>Result<br>< 0.24<br>< 0.31<br>< 0.33<br>< 0.61<br>< 0.47<br>< 0.25<br>< 1.1<br>< 0.39<br>< 0.32<br>< 0.3                                                                                                                                   | Units<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.24<br>0.31<br>0.33<br>0.33<br>0.61<br>0.47<br>0.25<br>1.1<br>0.39<br>0.32<br>0.32<br>0.3                                                                         | LOQ<br>0.77<br>0.99<br>1.1<br>1.1<br>1.9<br>1.5<br>0.78<br>3.4<br>1.2<br>1<br>0.94                                            | Dil<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1                                                   | Method<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2                                                                                           | Ext Date | <b>Run Date</b><br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR | Code<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1                          |
| Sample ID     POTABLI       Sample Matrix     Drinking T       Sample Date     6/6/2012       Organic     6/6/2012       Organic     6/6/2012       Organic     8/2       Benzene     8/2       Bromobenzene     8/2       Bromorethane     8/2       Chlorotehane     8/2       Chlorotohuene     4-Chlorotohuene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | E WELL<br>Water<br>Result<br>< 0.24<br>< 0.31<br>< 0.33<br>< 0.61<br>< 0.47<br>< 0.25<br>< 1.1<br>< 0.39<br>< 0.32<br>< 0.3<br>< 0.25                                                                                                                         | Units<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 0.24<br>0.31<br>0.33<br>0.33<br>0.61<br>0.47<br>0.25<br>1.1<br>0.39<br>0.32<br>0.32<br>0.3<br>0.25                                                                 | LOQ<br>0.77<br>0.99<br>1.1<br>1.1<br>1.9<br>1.5<br>0.78<br>3.4<br>1.2<br>1<br>0.94<br>0.78                                    | Dil<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1                                                   | Method<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2                                                                                  | Ext Date | <b>Run Date</b><br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR | Code<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1                |
| Sample ID     POTABLI       Sample Matrix     Drinking T       Sample Date     6/6/2012       Organic     6/6/2012       Benzene     Benzene       Bromobenzene     6/6/2014       Chlorobenzene     6/10/10/10/10/10/10/10/10/10/10/10/10/10/                                                                                                                                                                   | E WELL<br>Water<br>Result<br>< 0.24<br>< 0.31<br>< 0.33<br>< 0.61<br>< 0.47<br>< 0.25<br>< 1.1<br>< 0.39<br>< 0.32<br>< 0.3<br>< 0.25<br>< 0.3                                                                                                                | Units<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LOD<br>0.24<br>0.31<br>0.33<br>0.33<br>0.61<br>0.47<br>0.25<br>1.1<br>0.39<br>0.32<br>0.32<br>0.3<br>0.25<br>0.39                                                  | LOQ<br>0.77<br>0.99<br>1.1<br>1.1<br>1.9<br>1.5<br>0.78<br>3.4<br>1.2<br>1<br>0.94<br>0.78<br>1.3                             | Dil<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1                          | Method<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2                                                                         | Ext Date | <b>Run Date</b><br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR | Code<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 |
| Sample ID     POTABLI       Sample Matrix     Drinking Y       Sample Date     6/6/2012       Organic     6/6/2012       Benzene     Bromobenzene       Bromodelibromethane     6/6/2014       Chloroform     6/10/000       Chlorotoluene     7/10/00       Dibromochloromethane     7/10/00       Dibromochloromethane     7/10/00       Dibromochloromethane     7/10/00                                      | E WELL<br>Water<br>Result<br>(0.24<br>(0.31<br>(0.33)<br>(0.33)<br>(0.61)<br>(0.47)<br>(0.25)<br>(1.1)<br>(0.39)<br>(0.32)<br>(0.32)<br>(0.32)<br>(0.32)<br>(0.39)<br>(0.25)<br>(0.39)<br>(0.21)                                                              | Units<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LOD<br>0.24<br>0.31<br>0.33<br>0.33<br>0.47<br>0.25<br>1.1<br>0.39<br>0.32<br>0.32<br>0.39<br>0.25<br>0.39<br>0.21                                                 | LOQ<br>0.77<br>0.99<br>1.1<br>1.1<br>1.9<br>1.5<br>0.78<br>3.4<br>1.2<br>1<br>0.94<br>0.78<br>1.3<br>0.66                     | Dil<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1                     | Method<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2                                                       | Ext Date | 6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012                                                                                                                                                                                     | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR | Code<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1           |
| Sample ID     POTABLI       Sample Matrix     Drinking T       Sample Date     6/6/2012       Organic     6/6/2012       Benzene     Benzene       Bromodenzene     6       Chlorobenzene     6       Chloroform     6       Chlorotoluene     7       Dibromochloromethane     7       Dibromochloromethane     7       Dibromochloromethane     7       Italian     1       Italian     1                      | E WELL<br>Water<br>Result<br>(0.24<br>(0.31<br>(0.33)<br>(0.33)<br>(0.61)<br>(0.47)<br>(0.25)<br>(1.1)<br>(0.39)<br>(0.32)<br>(0.32)<br>(0.32)<br>(0.32)<br>(0.32)<br>(0.33)<br>(0.21)<br>(0.33)                                                              | Units<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LOD<br>0.24<br>0.31<br>0.33<br>0.33<br>0.61<br>0.47<br>0.25<br>1.1<br>0.39<br>0.32<br>0.3<br>0.25<br>0.39<br>0.21<br>0.33                                          | LOQ<br>0.77<br>0.99<br>1.1<br>1.1<br>1.9<br>1.5<br>0.78<br>3.4<br>1.2<br>1<br>0.94<br>1.3<br>0.66<br>1                        | Dil<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1                          | Method<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2                                     | Ext Date | 6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012           6/15/2012 | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR | Code<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1                               |
| Sample ID     POTABLI       Sample Matrix     Drinking T       Sample Date     6/6/2012       Organic     6/6/2012       Benzene     Bromobenzene       Bromobenzene     6/6/2012       Chlorobenzene     6/6/2012       Chlorobenzene     6/6/2012       Chlorobenzene     6/6/2014       Dibromochloromethane     7/1000       Dibromochloromethane     7/1000       Dibromochlorobenzene     7/1000       I,3-Dichlorobenzene     8/1000 | E WELL<br>Water<br>Result<br>< 0.24<br>< 0.31<br>< 0.33<br>< 0.33<br>< 0.61<br>< 0.47<br>< 0.25<br>< 1.1<br>< 0.39<br>< 0.32<br>< 0.3<br>< 0.25<br>< 0.3<br>< 0.25<br>< 0.3<br>< 0.25<br>< 0.39<br>< 0.21<br>< 0.33<br>< 0.12                                 | Units<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | LOD<br>0.24<br>0.31<br>0.33<br>0.61<br>0.47<br>0.25<br>1.1<br>0.39<br>0.32<br>0.32<br>0.39<br>0.32<br>0.39<br>0.32<br>0.33<br>0.25<br>0.39<br>0.21<br>0.33<br>0.21 | LOQ<br>0.77<br>0.99<br>1.1<br>1.1<br>1.9<br>1.5<br>0.78<br>3.4<br>1.2<br>1<br>0.94<br>1.3<br>0.66<br>1<br>0.38                |                                                                                               | Method<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2                            | Ext Date | <b>Run Date</b><br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR | Code<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1                               |
| Sample ID     POTABLI       Sample Matrix     Drinking T       Sample Date     6/6/2012       Organic     6/6/2012       Benzene     Bromobenzene       Bromobenzene     6/6/2012       Chlorobenzene     1       Chlorobenzene     1       Dibromochloromethane     1       Dibromochlorobenzene     1       J.2-Dichlorobenzene                                                                                                           | E WELL<br>Water<br>Result<br>< 0.24<br>< 0.31<br>< 0.33<br>< 0.33<br>< 0.33<br>< 0.61<br>< 0.47<br>< 0.25<br>< 1.1<br>< 0.39<br>< 0.32<br>< 0.3<br>< 0.25<br>< 0.3<br>< 0.25<br>< 0.39<br>< 0.21<br>< 0.33<br>< 0.21<br>< 0.33<br>< 0.22<br>< 0.22            | Units<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | LOD<br>0.24<br>0.31<br>0.33<br>0.61<br>0.47<br>0.25<br>1.1<br>0.39<br>0.32<br>0.3<br>0.25<br>0.39<br>0.21<br>0.33<br>0.21<br>0.33<br>0.22                          | LOQ<br>0.77<br>0.99<br>1.1<br>1.9<br>1.5<br>0.78<br>3.4<br>1.2<br>1<br>0.94<br>0.78<br>1.3<br>0.66<br>1<br>0.38<br>0.7        | <b>Dil</b><br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1         | Method<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2          | Ext Date | Run Date<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR | Code<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1                               |
| Sample IDPOTABLISample MatrixDrinking TSample Date6/6/2012Organic6/6/2012OrganicVOC'sBenzeneBromobenzeneBromodichloromethaneBromoformBromoformBromomethaneCarbon TetrachlorideChlorobenzeneChlorobenzeneChlorobenzeneChlorotolueneChlorotolueneDibromoethane2-ChlorotolueneDibromoethane1,4-DichlorobenzeneI,4-Dichlorobenzene1,2-DichlorobenzeneJ,2-DichlorobenzeneDichlorodifluoromethane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | E WELL<br>Water<br>Result<br>< 0.24<br>< 0.31<br>< 0.33<br>< 0.33<br>< 0.33<br>< 0.61<br>< 0.47<br>< 0.25<br>< 1.1<br>< 0.39<br>< 0.32<br>< 0.3<br>< 0.25<br>< 0.39<br>< 0.21<br>< 0.33<br>< 0.21<br>< 0.33<br>< 0.21<br>< 0.33<br>< 0.12<br>< 0.22<br>< 0.34 | Units<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l<br>ug/l | LOD<br>0.24<br>0.31<br>0.33<br>0.61<br>0.47<br>0.25<br>1.1<br>0.39<br>0.32<br>0.3<br>0.25<br>0.39<br>0.21<br>0.33<br>0.25<br>0.39<br>0.21<br>0.33<br>0.42<br>0.34  | LOQ<br>0.77<br>0.99<br>1.1<br>1.9<br>1.5<br>0.78<br>3.4<br>1.2<br>1<br>0.94<br>0.78<br>1.3<br>0.66<br>1<br>0.38<br>0.7<br>1.1 | Dil<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | Method<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2<br>524.2 | Ext Date | Run Date<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012<br>6/15/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Analyst<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR<br>CJR | Code<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1                               |

WI DNR Lab Certification # 445037560

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#### Project Name HANSON ELECTRIC Project #

| Lab Code      | 5023893Q       |
|---------------|----------------|
| Sample ID     | POTABLE WELL   |
| Sample Matrix | Drinking Water |
| Sample Date   | 6/6/2012       |

| -                              | Result  | Units | LOD   | LOQ       | Dil | Method | Ext Date | Run Date  | Analyst | Code |
|--------------------------------|---------|-------|-------|-----------|-----|--------|----------|-----------|---------|------|
| 1,1-Dichloroethane             | < 0.38  | ug/l  | 0.38  | 1.2       | 1   | 524.2  |          | 6/15/2012 | CJR     | I    |
| 1,1-Dichloroethene             | < 0.37  | ug/l  | 0.37  | 1.2       | 1   | 524.2  |          | 6/15/2012 | CJR     | l    |
| cis-1,2-Dichloroethene         | < 0.42  | ug/l  | 0.42  | 1.3       | 1   | 524.2  |          | 6/15/2012 | CJR     | 1    |
| trans-1,2-Dichloroethene       | < 0.38  | ug/l  | 0.38  | 1.2       | 1   | 524.2  |          | 6/15/2012 | CJR     | l    |
| 1,2-Dichloropropane            | < 0.35  | ug/l  | 0.35  | 1.1       | 1   | 524.2  |          | 6/15/2012 | CJR     | l    |
| 2,2-Dichloropropane            | < 1.9   | ug/l  | 1.9   | 5.9       | l.  | 524.2  |          | 6/15/2012 | CJR     | 1    |
| 1,3-Dichloropropane            | < 0.21  | ug/l  | 0.21  | 0.66      | I.  | 524.2  |          | 6/15/2012 | CJR     | 1    |
| trans-1,3-Dichloropropene      | < 0.37  | ug/l  | 0.37  | 1.2       | 1   | 524.2  |          | 6/15/2012 | CJR     | I    |
| cis-1,3-Dichloropropene        | < 0.25  | ug/l  | 0.25  | 0.78      | 1   | 524.2  |          | 6/15/2012 | CJR     | l    |
| 1,1-Dichloropropene            | < 0.2   | ug/l  | 0.2   | 0.64      | 1   | 524.2  |          | 6/15/2012 | CJR     | 1    |
| Ethylbenzene                   | < 0.27  | ug/l  | 0.27  | 0.85      | 1   | 524.2  |          | 6/15/2012 | CJR     | 1    |
| Hexachlorobutadiene            | < 0.31  | ug/l  | 0.31  | 0.98      | 1   | 524.2  |          | 6/15/2012 | CJR     | 1    |
| Isopropylbenzene               | < 0.26  | ug/l  | 0.26  | 0.82      | 1   | 524.2  |          | 6/15/2012 | CJR     | I    |
| p-Isopropyltoluene             | < 0.39  | ug/l  | 0.39  | 1.3       | 1   | 524.2  |          | 6/15/2012 | CJR     | l    |
| Methylene chloride             | < 0.33  | ug/l  | 0.33  | 1.1       | 1   | 524.2  |          | 6/15/2012 | CJR     | l    |
| Methyl tert-butyl ether (MTBE) | < 0.38  | ug/l  | 0.38  | 1.2       | 1   | 524.2  |          | 6/15/2012 | CJR     | l    |
| Naphthalene                    | < 0.34  | ug/l  | 0.34  | 1.1       | 1   | 524.2  |          | 6/15/2012 | CJR     | l    |
| Styrene                        | < 0.16  | ug/l  | 0.16  | 0.5       | 1   | 524.2  |          | 6/15/2012 | CJR     | l    |
| 1,1,2,2-Tetrachloroethane      | < 0.24  | ug/l  | 0.24  | 0.76      | E   | 524.2  |          | 6/15/2012 | CJR     | t    |
| 1,1,1,2-Tetrachloroethane      | < 0.39  | ug/l  | 0.39  | 1.3       | Į   | 524.2  |          | 6/15/2012 | CJR     | 1    |
| Tetrachloroethene              | < 0.4   | ug/l  | 0.4   | 1.3       | 1   | 524.2  |          | 6/15/2012 | CJR     | l    |
| Toluene                        | < 0.39  | ug/l  | 0.39  | 1.2       | 1   | 524.2  |          | 6/15/2012 | CJR     | ł    |
| 1,2,4-Trichlorobenzene         | < 0.14  | ug/l  | 0.14  | 0.45      | 1   | 524.2  |          | 6/15/2012 | CJR     | 1    |
| 1,1,1-Trichloroethane          | < 0.4   | ug/l  | 0.4   | 1.3       | 1   | 524.2  |          | 6/15/2012 | CJR     | 1    |
| 1,1,2-Trichloroethane          | < 0.39  | ug/l  | 0.39  | 1.3       | 1   | 524.2  |          | 6/15/2012 | CJR     | 1    |
| Trichloroethene (TCE)          | < ().4  | ug/l  | 0.4   | 1.3       | 1   | 524.2  |          | 6/15/2012 | CJR     | 1    |
| Trichlorofluoromethane         | < 0.38  | ug/t  | 0.38  | 1.2       | 1   | 524.2  |          | 6/15/2012 | CJR     | 1    |
| 1,2,3-Trichloropropane         | < 0.57  | ug/i  | 0.57  | 1.8       | l   | 524.2  |          | 6/15/2012 | CJR     | 1    |
| Trichlorotrifluoroethane       | < 0.3   | ug/l  | 0.3   | 0.96      | ł   | 524.2  |          | 6/15/2012 | CJR     | 1    |
| 1,2,4-Trimethylbenzene         | < 0.15  | ug/1  | 0.15  | 0.47      | ļ   | 524.2  |          | 6/15/2012 | CJR     | 1    |
| 1,3,5-Trimethylbenzene         | < 0.092 | ug/l  | 0.092 | 0.29      | 1   | 524.2  |          | 6/15/2012 | CJR     | 1    |
| Vinyl Chloride                 | < 0.18  | ug/l  | 0.18  | 0.56      |     | 524.2  |          | 6/15/2012 | CJR     | 1    |
| m&p-Xylene                     | < 0.65  | ug/l  | 0.65  | 2.1       | I   | 524.2  |          | 6/15/2012 | CJR     | l    |
| o-Xylene                       | < 0.32  | ug/l  | 0.32  | : <u></u> | 1   | 524.2  |          | 6/15/2012 | CJR     | l    |

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

#### Code Comment

1

Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Michael J. Ricker

#### WI DNR Lab Certification # 445037560

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|                                                                 |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        | *                            | Jyi                         | lel                           |                    |                         |                    |                                 |                          |                      |          | Page       | ≥ <u> </u>                            | of             | 2_                  |             |
|-----------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------|-----------------------------|-------------------------------|--------------------|-------------------------|--------------------|---------------------------------|--------------------------|----------------------|----------|------------|---------------------------------------|----------------|---------------------|-------------|
| Account No. :                                                   | Quote No.                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        | nviro                        | nme                         | ntal                          | e<br>E             | aŗ                      | ,<br>A             | Fr                              | C.                       |                      |          | Sampl      | e Hand                                | lling          | Reque               | est         |
| Project.#:                                                      | [                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4                      | 1000                         | Ore an eat (                | N - Anniatan                  | 16/1               | 540                     | 11.4               |                                 |                          |                      | (Rus     | hes accept | ed only                               | uate<br>with p | riequir<br>tior aut | horization) |
| Sampler: (signature)                                            | <br>/                              | a - ya mana ya nda shika na shika miya ngana shi na manta na ta shika shika shika shika shika shika shika shika                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        | 92                           | 0-830-2455                  | • FAX 920-7                   | 33-0               | 063.1                   | 1                  |                                 |                          |                      |          | <u></u>    | Iormal                                | Tum            | Aroun               | d           |
| Project (Name / Location): 14                                   | anson E                            | lectric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | · <u>·</u>             |                              |                             |                               |                    | Ą                       | inaly              | (sis                            | Requ                     | leste                | d        |            | С                                     | ther           | Analy               | sis         |
| Reports To: AIma Ha                                             |                                    | Invoice                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | TOISG                  | sina Plaine                  | N do A                      | olin Harris                   | <u> </u>           |                         |                    |                                 |                          |                      |          |            |                                       |                |                     |             |
|                                                                 | 7027                               | Compa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ny M                   | ETCO                         |                             |                               |                    |                         |                    |                                 |                          |                      |          |            |                                       |                |                     |             |
| Address P. D. Bax 9                                             | ×                                  | Addres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | s 709                  | Gillette                     | 5+ 50                       | , ye 3                        | 66)                | p 95)                   |                    |                                 |                          |                      | 1        |            |                                       |                |                     |             |
| Tity State Zip Occorda                                          | IT 540                             | 20 City Sta                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ite Zip                | In Cons                      | is WT                       | 54603                         | Sep                | ) Sel                   |                    | E<br>E<br>E<br>E<br>E<br>E<br>E | 1                        | HAL                  | 524.2    | S          |                                       |                |                     |             |
| Phone (715) 294 - 31                                            | 19                                 | Phone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | (608                   | ) 781- 2                     | 5879                        |                               |                    | 0<br>HO                 |                    | NITE<br>8370                    | A 80.                    | IHA                  | Ad-      | ETAL       |                                       |                | Í                   |             |
| FAX                                                             |                                    | FAX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u> </u>               | 5                            | 1893                        |                               | Pow                | pow                     |                    | TE/                             | (EP                      | + N/                 |          |            |                                       |                |                     | PID         |
| Lab ( D) Sample I.D.                                            | Collection<br>Date Time            | Comp Grab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Filtered.<br>Y/N       | No. of<br>Containers         | Sample<br>Type<br>(Matrix)* | Preservation                  | DRO (              | GRO (                   | LEAD               | NITRA<br>PAH #                  | PVOC                     | PVOC<br>SULF/        | VOC      | 8-RCF      | · · · · · · · · · · · · · · · · · · · |                |                     | ) - IL      |
| 5023873A Meth Blank                                             | 6/6/12                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |                              |                             | МЕС Н                         |                    | X                       |                    |                                 |                          | <u>×</u>             | 1        |            | <u> </u>                              |                |                     |             |
| <u>B</u> <u>B-1-1</u>                                           | 1 8:55                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        | 2                            | <u></u>                     | j                             | -                  |                         |                    |                                 |                          |                      |          | <u></u>    |                                       |                |                     |             |
| <u>C  5-1-5</u>                                                 | 9:20                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |                              |                             | ***                           | ///                | Ť                       |                    |                                 | ×                        |                      |          |            |                                       |                |                     |             |
| 2 B-2-1                                                         | 9.40                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |                              |                             |                               |                    |                         |                    |                                 |                          |                      |          |            |                                       | <u> </u>       |                     |             |
| F B-2-3                                                         | 9:50                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |                              |                             |                               |                    |                         |                    |                                 | ·   · ·                  |                      | ,        |            | 1                                     |                |                     |             |
| <u></u>                                                         | 10:00                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |                              |                             | +                             |                    |                         |                    |                                 |                          | $\left\{ - \right\}$ |          |            |                                       |                |                     |             |
| $-+$ $\frac{B-3-1}{4}$                                          | 10:20                              | an a martin () and () a martin () and | <u></u>                |                              |                             |                               | 1                  |                         |                    |                                 |                          |                      |          |            | 1<br>1                                |                |                     |             |
|                                                                 | 11:05                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        | V                            | J.                          |                               |                    | $\overline{\mathbf{V}}$ |                    |                                 | ŀ                        | $\checkmark$         |          | 2.<br>     |                                       | Í              |                     |             |
| Comments/Special Instructions (<br>Lab to Send cop<br>UEC Rates | specify ground<br>y of re<br>Agent | dwater "GW", 1<br>Part ta<br>Stat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Drinking<br>CME<br>LUS | Water "DW", 1<br>T <i>CO</i> | Waste Water                 | rwwr, soil i's<br>Meth<br>B-1 | с, ліі<br>ВС<br>-1 | r "A"<br>4 rt  <br>     | , Oil.<br>4 —<br>1 | Siud<br>PVI<br>/OC              | ge etc<br>2 C A<br>- , G | Nati<br>RO           | , G<br>L | ero<br>ED  |                                       |                |                     |             |
| Sample Integrity - To be compl<br>Method of Shipment : <u>P</u> | eted by receivi                    | ng lab. Ri                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                        | hed By (sign                 | )                           | Time<br>[2:00                 | 0<br>6/-           | ate<br>5/1              | 1<br>2             | Rece                            | ived                     | By: (                | sigr     | ן ו)       |                                       |                | ime                 | Date        |
| Temp, of Temp, Blank.                                           | _°C On Ice:∑                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                        |                              |                             |                               |                    |                         |                    |                                 | ·                        |                      |          |            |                                       |                | <u></u>             |             |
| Cooler seal Intact upon receipt: _                              | <u>X Yes</u> 1                     | 40 <u> </u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                        | in Loborator                 |                             | - 77                          | 17                 |                         |                    |                                 |                          | Timo                 |          |            | <u> </u>                              | – –<br>De      |                     |             |

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| tabilD.#                                               |                                                                                                                 |                                                |                   |                | ٩                    | ЭуІ                                               | ler                                                                                 | 91             | Í             |               |               |          |               |                                        | Page             | 2                | of             | 2                | . • 3           |                            |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------|----------------|----------------------|---------------------------------------------------|-------------------------------------------------------------------------------------|----------------|---------------|---------------|---------------|----------|---------------|----------------------------------------|------------------|------------------|----------------|------------------|-----------------|----------------------------|
| Account No. :                                          | Quot                                                                                                            | e No.:                                         | 988 (Sel 2081 - 1 |                | nviro                | nme                                               | ental                                                                               | Ĩ              | ıØ,           | , Ø1          | nc            |          |               | S                                      | mple             | Hand             |                | Requ             | <u>iest</u>     |                            |
| Project #:                                             | k,,,                                                                                                            |                                                |                   | -4             | *000                 | Dec em c et (                                     | 24 . Amelaka.                                                                       |                | E 401         |               |               |          | (8)           | Hus<br>ushes a                         | sh Ana<br>ccepte | ilysis<br>d only | Uate<br>with p | Hequi<br>rior au | ired<br>thoriz: | ation)                     |
| Sampler: (signature) /                                 | 1/20                                                                                                            | 9999-999-999-999-999-999-999-999-999-9         |                   |                | 920                  | 9-830-2455                                        | - FAX 920-                                                                          | а, ул<br>733-0 | 631<br>1631   | 4             |               |          |               |                                        | <u>入</u> Ni      | ormal            | Turn           | Arour            | าป              |                            |
| Project (Name / Location): He                          | 5 n 5 m                                                                                                         | n Ele                                          | ectric            | <u></u>        |                      |                                                   |                                                                                     |                | An            | alysi         | s Re          | ques     | sted          |                                        |                  | (                | Other          | Analy            | ysis            |                            |
| Reports To: See Page                                   | - 1                                                                                                             |                                                | Involce           | Τσ             | >                    | er menneskerkelsen over soch i men det kille i de | an mana se an ann an sua an an tao ann an mhann ann ann ann ann ann ann ann ann ann | -              |               |               |               |          |               |                                        |                  |                  |                |                  |                 |                            |
| Company                                                |                                                                                                                 |                                                | Compa             | ny             |                      |                                                   |                                                                                     |                |               |               |               |          |               |                                        |                  |                  |                |                  |                 |                            |
| Address                                                | 34.4444                                                                                                         | arted a lay, e — la <del>y a</del> a a e e e e | Addres            | s,             |                      |                                                   |                                                                                     | 96)            | 0 <u>95</u> ) |               |               | ERE      | 0             |                                        |                  |                  |                |                  |                 |                            |
| City State Zip                                         | , yang dan pengentakan katalakan sebagai katalak sebagai katalak sebagai katalak sebagai katalak sebagai katala | an an an diseachte ann an Stàidheachte an      | City Sta          | ate Zip        |                      |                                                   |                                                                                     | Sep            | 0 Sel         | AITE          | ===           | HAL      | 524.2         | <u> </u>                               |                  |                  |                |                  |                 |                            |
| Phone                                                  |                                                                                                                 |                                                | Phone             |                | <u></u>              |                                                   |                                                                                     | - PHO          | CH            | NITE          | 8270<br>A 80' | HH       | EP.A          | 8260<br>ETAI                           |                  |                  |                |                  |                 |                            |
| FAX                                                    |                                                                                                                 |                                                | FAX               |                |                      |                                                   |                                                                                     | Noc            | MOO           | JE/           | A dial        | 2<br>  + | NV (II        | EPA<br>IA M                            |                  |                  |                |                  |                 | PID                        |
| Lab I D Sample I.D.                                    | Colle<br>Date                                                                                                   | ction<br>Time Co                               | omp Grab          | Filtered<br>Yn | No. of<br>Containers | Sample<br>Type<br>(Matrix)*                       | Preservation                                                                        |                | 10HU<br>HON   | LEAD<br>NITRO | PAH (I        | PVOC     | SULF/         | VOC (<br>8-RCF                         |                  |                  |                |                  |                 |                            |
| 507873R B-4-2                                          | 6/6/52                                                                                                          | 11:15                                          | X                 |                | 2                    | 5                                                 | MEOIL                                                                               |                | ХL            |               |               | X        | 1             |                                        |                  |                  |                |                  |                 |                            |
| 1_ B-5-1                                               |                                                                                                                 | 11:30                                          |                   |                |                      |                                                   |                                                                                     |                | <b> </b>      |               |               |          | 20-13-14 Sec. |                                        |                  | <u>.  </u>       |                |                  |                 |                            |
| W B-5-4                                                |                                                                                                                 | 12:00                                          |                   |                |                      |                                                   |                                                                                     |                |               |               |               |          | <br> <br>     |                                        |                  |                  |                |                  |                 |                            |
| 0 B-6-4                                                |                                                                                                                 | 12.0                                           |                   |                | V                    | $\overline{\mathbf{v}}$                           |                                                                                     |                | 1             |               |               | V        |               | ()++++++++++++++++++++++++++++++++++++ |                  |                  |                |                  | <b> </b>        | ***                        |
| P Trip Black                                           |                                                                                                                 |                                                |                   |                | 1                    |                                                   | HCI                                                                                 |                | 5             |               |               |          | X             |                                        |                  |                  |                |                  |                 |                            |
| Q Potnible hiel                                        | 11                                                                                                              | 12:45                                          | X                 | Ņ              | 3                    | DW                                                | HCI                                                                                 |                |               |               |               |          | X             |                                        |                  |                  |                |                  |                 | <u> </u>                   |
|                                                        |                                                                                                                 |                                                |                   |                |                      |                                                   |                                                                                     |                |               |               |               |          |               |                                        |                  |                  |                |                  |                 |                            |
|                                                        |                                                                                                                 |                                                |                   | ,,, ,,         |                      |                                                   |                                                                                     |                |               |               |               |          | _             |                                        |                  |                  |                |                  | ┝─┼╼            |                            |
| Comments/Special Instructions (*                       | Specify                                                                                                         | groundw                                        | ater "GW", i      | Drinking       | L<br>Water "DW", V   | Vaste Water                                       | "WW", Soil "S                                                                       | -1<br>5", Air  | "A". (        | Dil, Sa       | udge e        | etc.)    |               | <u></u>                                |                  | i                |                | <u></u>          | 1               | Provinces APProximited and |
|                                                        |                                                                                                                 |                                                |                   |                |                      |                                                   |                                                                                     |                |               |               |               |          |               |                                        |                  |                  |                |                  |                 |                            |
|                                                        |                                                                                                                 |                                                |                   |                |                      |                                                   |                                                                                     |                |               |               |               |          |               |                                        |                  |                  |                |                  |                 |                            |
|                                                        | Alternation                                                                                                     |                                                |                   |                |                      |                                                   |                                                                                     |                |               |               |               |          |               |                                        |                  |                  |                |                  |                 |                            |
| Sample Integrity - To be comple                        | led par                                                                                                         | receiving                                      | lab.              | elinguist<br>S | bod By: (sign        | )                                                 | Time<br>/ a. Zo                                                                     | Di<br>Kar      | ate<br>22.5   | He            | Ceive         | d Bà     | : (sig        | 3n)                                    |                  |                  | 1              | me               | Da              | ite                        |
| Method of Shipment : 100                               | <u>interi</u>                                                                                                   | <u> </u>                                       | <u>}</u> }[_⊆     |                |                      |                                                   | <u> </u>                                                                            | 9/ 0           | 40            |               |               |          | <u></u>       |                                        |                  |                  |                | <u></u>          | *******         |                            |
| Temp. of Temp. Blank.                                  | "C On l                                                                                                         | ce: <u>/</u>                                   |                   |                |                      |                                                   | <u> </u>                                                                            | ··             |               |               |               |          |               |                                        |                  |                  |                |                  |                 | <u></u>                    |
| Cooler seal infact upon receipt: $\underline{\Lambda}$ | <u> </u>                                                                                                        | No                                             | 9994<br>9994      | · · · · ·      |                      | - 12                                              | - <del>to - h</del>                                                                 | <del>-}\</del> |               |               |               |          |               |                                        |                  | <u> </u>         |                | <u> </u>         |                 |                            |

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APPENDIX C/ WELL AND BOREHOLE DOCUMENTATION

State of Wisconsin

# SOIL BORING LOG INFORMATION

| Departme        | ent of Na                      | atural R    | esources                                  |                                                                       |                   |                   | F                    | Form 4           | 400-12                  | 2                   |              | Rev. 7-9        | 98       |                   |
|-----------------|--------------------------------|-------------|-------------------------------------------|-----------------------------------------------------------------------|-------------------|-------------------|----------------------|------------------|-------------------------|---------------------|--------------|-----------------|----------|-------------------|
|                 |                                |             | Route To:                                 | Watershed / Wastew<br>Remediation / Redevelopm                        | /ater:<br>nent: X | Wast              | e Manage             | ement:<br>Other: |                         |                     |              |                 |          | - ,               |
| Facility / F    | Project I                      | Name        |                                           | <u></u>                                                               | Licens            | e / Perm          | nit / Monit          | oring            | Vumber                  |                     | Page         | 3 1             | or<br>Bc | 1<br>pring Number |
| Ha              | 1500                           | nE          | lectr                                     | ic                                                                    |                   |                   |                      | Ŭ                |                         |                     |              |                 | ſ        | 3-1               |
| Boring Dr       | illed By                       | : Name      | e of crew cl                              | iel (first, last) and Firm                                            | Dritling          | g Date S          | larted               |                  | Drilling                | Date C              | omplete      | ed              | Dr       | illing Method     |
| First:<br>Firm: | Ga                             | )<br>مردن   | Last:                                     | riant ·                                                               | 6                 | - 6-<br>M/ DD/ YS | $\widetilde{\Omega}$ |                  | M                       |                     | - / ¿/       | 7               |          | HSA               |
| WI Unique       | Well No.                       | DNR V       | Vell ID No.                               | Well Name                                                             | Fin               | al Static         | Water Le             | evel             |                         | Surface             | Elevatio     | วก              | Ē        | Borehole Diameter |
|                 |                                |             |                                           |                                                                       |                   | Feel              | MSL                  |                  |                         | Feet                | MSL          |                 |          | 6"                |
| Local Grid      | d Origin                       | (estim      | ated X) or                                | Boring Location                                                       | 1.01 9            |                   |                      |                  |                         | Local C             | Grid Loc     | ation           |          |                   |
| State Plane     | SE %                           | of Section  | n34,T3                                    | 3NR 19W                                                               | Lat               | 0 r u             |                      |                  |                         | Feet                | 4<br>S Feel  | t W             |          |                   |
| Fa              | acility ID                     | )           |                                           | County                                                                |                   |                   | County               | Code             |                         | (                   | Civil Tov    | vn / Ciț        | γIV      | 'illage           |
|                 | Vone                           |             |                                           | Polk                                                                  |                   |                   | 49                   | 0.11             |                         |                     | 560          | 010             | <u>~</u> |                   |
| <u> </u>        | Sar                            | npie        | + 11                                      |                                                                       |                   | <u> </u>          |                      | SOILE            | roperue                 | es                  | <u> </u>     | <u>×</u>        | Ţ        | ]                 |
| Number & Typ    | Length Att. 8<br>Recovered (ir | Blow Counts | Depth in Fee<br>(below ground<br>surface) | Soii / Rock Description<br>And Geologic Orígin<br>For Each Major Unit | u s c s           | Graphic Log       | Well Diagram         | PID / FID        | Compressive<br>Strength | Moisture<br>Content | Liquid Limit | Plasticity Inde | P 200    | RQD / Comments    |
|                 |                                |             |                                           |                                                                       |                   |                   |                      |                  |                         |                     |              |                 | T        |                   |
|                 |                                |             | -                                         |                                                                       |                   |                   | {                    |                  |                         |                     |              |                 | 1        | and the state     |
|                 | 6                              |             |                                           | Tan sandy day                                                         | CL                |                   | 1                    | 15               |                         | M                   |              |                 |          | Slight per        |
| 3-1-1           | 24                             |             | -                                         | · /                                                                   |                   | $\vee$            |                      |                  |                         |                     |              |                 |          | Upper la          |
| 2-910           | [                              | [           | 4                                         | The said and side                                                     | 10                | 1//               | $\left\{ \right\}$   | $\mathcal{D}$    | 1                       | D                   |              |                 |          | No petro          |
| 3.1-2           | 12                             |             | -                                         | of dolomite                                                           | Sr                |                   |                      | $\mathcal{O}$    |                         | 1                   |              | Į               |          | aplor             |
| 4-6 Ft          | 24                             |             | 6                                         |                                                                       |                   |                   |                      | 0                |                         | 0                   | 1            | [               | 1        | No petro          |
| B-1-3           | 6                              |             |                                           |                                                                       |                   |                   |                      | $\mathcal{O}$    | ļ                       |                     |              |                 | ł        | anter             |
| 6-8 ft          | 9.1                            |             | - 8                                       |                                                                       | )                 |                   |                      | o                |                         | D                   |              |                 |          | No action         |
| 0-1-4           | 2                              |             | -                                         | Gray sand and pieces                                                  | SP                |                   |                      | ч <b>р</b>       | {                       |                     |              |                 |          | autor             |
| 8-10 ft         | 24                             | {           | -                                         | of dolomitic                                                          | CP                |                   |                      | $\mathcal{O}$    |                         | D                   |              |                 |          | No petro          |
| 3-1-5           | 12                             | ļ           | 10<br>~-                                  | Ton sand and pieces                                                   | Sr                |                   |                      |                  |                         |                     |              |                 |          | sola              |
| 10-11 -         |                                |             | -                                         | EDB at 11 feet somelik                                                | 1.6               | +                 | 1                    |                  |                         | ĺ                   |              |                 |          |                   |
|                 |                                |             | 12                                        | complete. Borchole                                                    | 2                 |                   |                      |                  |                         |                     |              |                 | ļ        |                   |
|                 |                                |             | -                                         | abandoned.                                                            |                   |                   |                      |                  |                         |                     |              |                 |          | •                 |
|                 |                                | 1           | 14                                        |                                                                       |                   |                   |                      |                  |                         |                     |              | }               |          |                   |
|                 |                                |             |                                           |                                                                       |                   |                   |                      |                  |                         | ]                   | ]            |                 |          |                   |
|                 |                                |             | -                                         |                                                                       |                   |                   |                      |                  |                         |                     |              | [               |          |                   |
|                 | İ                              |             | 16<br>                                    |                                                                       | ļ                 | ł                 |                      |                  |                         |                     |              |                 |          |                   |
|                 |                                |             | -<br>-                                    |                                                                       |                   |                   |                      |                  |                         |                     |              |                 |          |                   |
|                 |                                |             | 18                                        |                                                                       |                   |                   |                      |                  |                         |                     | Ì            |                 |          |                   |
|                 |                                |             | -<br>-                                    | {                                                                     |                   |                   |                      |                  |                         |                     |              |                 |          | ]                 |
|                 | ]                              | ļ           | 20                                        |                                                                       |                   |                   |                      |                  |                         |                     |              |                 |          |                   |
|                 |                                |             | -                                         |                                                                       | ſ                 | [                 |                      |                  | <b>.</b> .              | [                   |              |                 | {        | {                 |
|                 |                                | 1           | F.                                        |                                                                       |                   |                   |                      |                  | ]                       | 1                   |              |                 |          | )                 |
|                 |                                |             | 22                                        |                                                                       |                   |                   |                      |                  |                         |                     |              |                 |          |                   |
|                 |                                |             |                                           |                                                                       | Ì                 |                   |                      |                  | ł                       |                     | {            | {               |          | ł                 |
|                 |                                |             | 24                                        |                                                                       |                   |                   |                      |                  |                         |                     |              |                 |          |                   |
| I hereby        | certify t                      | hat the     | information                               | on this form is true and correct to the                               | best of my        | knowled           | ge                   |                  |                         |                     |              |                 |          |                   |
| Signature       | e:                             |             | 14                                        | to 1                                                                  |                   |                   |                      |                  | Firm:                   | ME                  | :100         |                 |          |                   |
| <del></del>     | /                              | roy         | Mase                                      | len                                                                   |                   |                   | <u></u>              |                  |                         |                     |              |                 |          |                   |

State of Wisconsin Department of Natural Resource

# SOIL BORING LOG INFORMATION

| Poule To Material Mestavale: Differ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Departme        | ent of Na                      | itural R    | esources                                                             |                                                                       |                  |                             |                | Form 4          | 400-12                  | 2                   | f                                      | Rev. 7-9        | 98          |                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------|-------------|----------------------------------------------------------------------|-----------------------------------------------------------------------|------------------|-----------------------------|----------------|-----------------|-------------------------|---------------------|----------------------------------------|-----------------|-------------|----------------------|
| Facility / Project Name     Project Name     Project Name     Provide Comparison       Hoon Son Mano of crew chief (first, last) and Firm.     Doiling Date Started     Diffing Date Comparison     Diffing Date Compa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |                                |             | Route To:                                                            | Watershed / Wastewa<br>Remediation / Redevelopm                       | ater:<br>ient: X | Wast                        | e Manaç        | jement<br>Other | :<br>                   |                     |                                        |                 |             | -                    |
| Packer / Printer Addition     Excert Printer Addition from our of the first status     Excert Printer Addition from our of the first status     Excert Printer Addition from our of the first status     Excert Printer Addition from our of the first status     Excert Printer Addition from our of the first status     Excert Printer Addition from our of the first status     Excert Printer Addition from our of the first status     Excert Printer Addition from our of the first status     Excert Printer Addition from our of the first status     Excert Printer Addition from our of the first status     Excert Printer Addition from our of the first status     Excert Printer Addition from our of the first status     Excert Printer Addition from our of the first status     Excert Printer Addition from our of the first status     Excert Printer Addition from our of the first status     Excert Printer Addition from our of the first status     Excert Printer Addition from our of the first status     Excert Printer Addition from our our of the first status     Excert Printer Addition from our                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | F 114 1 . 1     |                                |             |                                                                      | <u> </u>                                                              |                  |                             | 16 / 1 /       |                 | f 1                     |                     | Page                                   | <u> </u>        | of          | 1                    |
| Hone Son Cellectric     Dilling Date Started     Dilling Date Competed     Dilling Mellind       Henc Crail     Latte Plant     Crail Cellectric     HSA       Hine Grand Object     Woll Name     Final Science     Surface       Withow Write Care     Surface     Surface     HSA       Joan Object     Mol Dorvin     Surface     HSA       Joan Object     No     Woll Name     Final Science     Surface Teaching Diameter       Local Origin (estimated X) or Boting Location     Latter With No     No     Feat Million       Local Origin (estimated X) or Boting Location     Latter With No     No     Feat Million       Fadily ID     County     County     County Code     County Code       Start Frageries     Surface     Pol IL     H     H       Start Frageries     Surface     Surface     Surface     No       Start Frageries     Surface     Surface     Surface     Surface       Start Frageries     Surface     Surface     Surface     No       Start Frageries     Surface     Surface     Surface     Surface       Start Frageries     Surface     Surface     Surface     Surface       Start Frageries     Surface     Surface     Surface     Surface       Start Fragerie                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Facility / ł    | Project I                      | سم vame     | -1 1                                                                 |                                                                       | Licens           | ie / Perm                   | ut / Mon       | ltoring         | Number                  |                     |                                        |                 | BC<br>C     | ring Number          |
| Borng unit Ly, Pane of the class line of the line (Line of the line of the line of the class line of the class line of the li | Flar            | <u>م 2 م</u>                   | <u>nt</u>   | lect                                                                 |                                                                       | Defilier         | Data C                      |                | <b>_</b>        | D-96                    | Data                |                                        |                 |             | $2 - \chi$           |
| Him:     County     Data Output of the source of the source of the best of my knowledge       MULBARW MARKA, DURK Well (D No.     Well Name     Plan Statis West Level     Source of the                                                                                    | Boring Di       | Coord                          | ivame       | of crew c                                                            |                                                                       | Drano            | j Date St                   |                |                 | Unning                  |                     | ompiete                                | 30              | Ur          |                      |
| Withingtor Weike     DMR Weill D. No.     Weil Name     Print State Water Level     Surface Elevation     Disability Disability       Local Grid Origin (estimated X) or Boring Location     E     Feed MSL     Local Grid Origin (estimated X) or Boring Location     Itel Year     No     E       State Plane     N.     E     Local Grid Origin (estimated X) or Boring Location     Local Grid Location     No     E       State Plane     N.     E     Local Grid Contine     Local Grid Location     No     E       Facility ID     Country     Country     Country Code     Out Town Toky Village       Mmc     POI IL     HP     HP     Sold Properties     Sold Properties       Sample     Sold Properties     Sold Properties     Sold Properties     Sold Properties       Sold Properties     Sold Properties     Sold Properties     Sold Properties     No       Sold Properties     Sold Properties     Sold Properties     Sold Properties     No       Sold Properties     Sold Properties     Sold Properties     Sold Properties     No       Sold Properties     Sold Properties     Sold Properties     Sold Properties     Sold Properties       Sold Properties     Sold Properties     Sold Properties     Sold Properties     No       Sold Properties     Sold Properties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Firm            | Ga                             | 3           | Last                                                                 |                                                                       | ()<br>M          | - ( <i>o</i> -<br>M/ DD/ Y1 | $\gamma\gamma$ |                 | ص<br>Mi                 | v – Co<br>V DDI Y   | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |                 | ,           | HSA                  |
| Feet MSL     Feet MSL     G"       Sate Print     N.     E     Local Grid Didgin (estimated X) or Boring Location     Local Grid Location       Sate Print     N.     E     Lat     Local Grid Location       Featily ID     County     County Code     Featily ID     County Code       Sate Print     Name     POIL     High Sate Print     County Code     County Code       Sate Print     Sate Print     POIL     High Sate Print     County Code     County Code       Sate Print     Sate Print     POIL     High Sate Print     Poil Received     Poil Received       Sate Print     Sate Print     Poil Received     Poil Received     Poil Received     Poil Received       Sate Print     Sate Print     Poil Received     Poil Received     Poil Received     Poil Received       Sate Print     Sate Print     Poil Received     Sate Print     Poil Received     Poil Received       Sate Print     Sate Print     Poil Received     Sate Print     Poil Received     Poil Received       Sate Print     Sate Print     Poil Received     Sate Print     Poil Received     Poil Received       Sate Print     Sate Print     Poil Received     Sate Print     Poil Received     Poil Received       Sate Print     Sate Print                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | WI Unique       | Well No.                       | DNR V       | Vell ID No.                                                          | Well Name                                                             | Fin              | al Static                   | Water L        | evel            |                         | Surface             | Elevatio                               | n               | E           | orehole Diameter     |
| Incall offed Ordph (estimated X) or Boring Location     Lat     Lead     County     County     Feed St. Freet W       Field X (d) SE, X at Section 24, 123 N.R. [9] U     County     County Code     Feed St. Freet W       Stanplin     Poil R     44     County Code     Sol Properties       Stanplin     Sol Wedge R at W     Sol Properties     Sol Properties       Stanplin     Sol Wedge R at W     Sol Properties     Sol Properties       Stanplin     Sol Properties     Sol Properties     No pothor       Stanplin     Sol Properties     Sol Properties     No pothor       Stanplin     Sol Properties     No pothor     No pothor       Stanplin     Sol Properties     Sol Proper                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |                                |             |                                                                      |                                                                       |                  | Feet                        | MSI            |                 |                         | Feet                | MSI                                    |                 |             | 6"                   |
| State Policy         N         E           520 Viol 52 viol                                                                   | Local Grid      | d Origin                       | (estim      | ated X) or                                                           | Boring Location                                                       |                  |                             |                |                 |                         | Local (             | Grid Loc                               | ation           |             |                      |
| SL3 Add SE v. ad Sector 324 / 173 N.R.(Add)     Long ***     Feature County Code     Code     County Code     County Code     County Code     Code<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | State Plane     | 9                              | N,          | E                                                                    |                                                                       | Lat *            | • •                         |                |                 |                         | 1                   | 4                                      | ε               |             |                      |
| Participite     County     Coun                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 5W 1/1 of       | <u>SE %</u>                    | of Section  | <u>m34.т</u> 3                                                       | <u>13 N.R 19W</u>                                                     | Long             | • · · ·                     |                |                 |                         | Feet                | S Feel                                 | W               |             |                      |
| Market     POIR     HT     Collegeorde       Sample     Soil Properties     Soil Properties     Soil Properties     Image: Soil Properties       Image: Soil Properties     Soil Properties     Soil Properties     Image: Soil Properties     Image: Soil Properties       Image: Soil Properties     Soil Properties     Soil Properties     Image: Soil Properties     Image: Soil Properties     Image: Soil Properties       Image: Soil Properties     Soil Properties     Soil Properties     Image: Soil Properties     Image: Soil Properties     Image: Soil Properties       Image: Soil Properties     Soil Properties     Soil Properties     Image: Soil Properties     Image: Soil Properties       Image: Soil Properties     Soil Properties     Soil Properties     Image: Soil Properties     Image: Soil Properties       Image: Soil Properties     Soil Properties     Soil Properties     Soil Properties     Image: Soil Properties       Image: Soil Properties     Soil Properties     Soil Properties     Soil Properties     Image: Soil Properties       Image: Soil Properties     Soil Properties     Soil Properties     Soil Properties     Image: Soil Properties       Image: Soil Properties     Soil Properties     Soil Properties     Soil Properties     Soil Properties       Image: Soil Properties     Soil Properties     Soil Properties     Soil Propertis <td>1-8</td> <td>adlity ID</td> <td></td> <td></td> <td>County</td> <td></td> <td></td> <td>County</td> <td>/ Code</td> <td></td> <td>)<br/>بر</td> <td>Vivil Toy</td> <td>vn / City</td> <td>71 V<br/>1</td> <td>illage</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1-8             | adlity ID                      |             |                                                                      | County                                                                |                  |                             | County         | / Code          |                         | )<br>بر             | Vivil Toy                              | vn / City       | 71 V<br>1   | illage               |
| Soli Popertee       and popertee     and po                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 | lane.                          | 1 -         |                                                                      | POIR                                                                  |                  |                             | 47             | 0-11            |                         |                     | 1500                                   | 010             | 2           | - <u></u>            |
| 6.4       4 See 10 00 000 000 0000 0000 0000 0000 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 | San                            | npie        |                                                                      |                                                                       |                  |                             |                | 5011            | roperue                 | 1                   | т                                      |                 | <del></del> | j                    |
| 3-2-1     18     Brown Sandy clay     CL     0     M     No petro       3-2-1     17     Gray math to parse     0     M     No petro       3-2-1     17     Gray math to parse     0     M     No petro       3-2-1     18     Tan med, to parse     0     M     No petro       3-2-1     18     Tan med, to parse     0     M     No petro       3-2-1     18     Tan med, to parse     0     0     M     No petro       3-2-1     18     Tan med, to parse     0     0     No petro       3-2-1     18     Tan meditore adoption the Rx     0     0     No petro       3-2-1     10     Tan weatheread dolomite     Rx     0     0     No petro       3-2-1     10     Tan weatheread dolomite     Rx     0     0     No petro       3-2-5     10     Tan weatheread dolomite     Rx     0     0     No petro       10-1     Tan weatheread dolomite     Rx     0     0     No petro       10     Tan weatheread dolomite     Rx     0     0     0       11     10     Tan weatheread dolomite     Rx     0     0       10     10     Tan weatheread of the perse<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Number & Typ    | Length Att. &<br>Recovered (in | Blaw Counts | Depth in Feet<br>(below ground<br>surface)                           | Soil / Rock Description<br>And Geologic Origin<br>For Each Major Unit | nscs             | Graphic Log                 | Well Diagram   | PID / FID       | Compressive<br>Strength | Maisture<br>Content | Liquid Limit                           | Plasticity Inde | P 200       | RQD / Comments       |
| 3.2-2     12     12     12     12     12     14     15       12-2     14     15     Tan medi, to carrie ground SP     0     0     Mo petro       13-2-3     14     15     Tan medi, to carrie ground SP     0     0     Mo petro       13-2-4     16     16     Crey weathered dolomite     Rx     0     0     No petro       13-2-5     16     10     Tan weathered dolomite     RX     0     0     No petro       13-2-5     12     10     Tan weathered dolomite     RX     0     0     No petro       13-2-5     12     10     Tan weathered dolomite     RX     0     0     No petro       13-2-5     12     10     Tan weathered dolomite     RX     0     0     No petro       13-2-5     12     10     Tan weathered dolomite     RX     0     0     No petro       13-12     Complete. Berchole     abnodored.     14     14     14     14     14       14     16     14     14     14     14     14     14       10     12     12     14     14     14     14       10     12     12     14     14     14 <td>3-2-1<br/>2-4 Ft</td> <td>18<br/>24</td> <td></td> <td>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-<br/>-</td> <td>Brown sandy clay<br/>with gravel to googese</td> <td>CL</td> <td></td> <td></td> <td>0</td> <td></td> <td>M</td> <td></td> <td></td> <td></td> <td>No petro<br/>No petro</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3-2-1<br>2-4 Ft | 18<br>24                       |             | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                  | Brown sandy clay<br>with gravel to googese                            | CL               |                             |                | 0               |                         | M                   |                                        |                 |             | No petro<br>No petro |
| B-3-3     18     Ten med to correct grained SP     0     0     Margin with gravet gravined SP       B-3-4     24     Ten weathered dolonite     2×     0     0     No petro       B-3-4     24     Corry weathered dolonite     Rx     0     0     No petro       B-3-5     13     10     Ten weathered dolonite     Rx     0     0     No petro       10-11 Ft     13     10     Ten weathered dolonite     Rx     0     0     No petro       12     EOB at 11 feet, sampling     12     complete. Borchole     0     0     No petro       14     14     14     14     14     14     14     14     16       14     14     14     14     16     14     16     16     16       12     20     14     14     16     16     16     16       14     14     14     16     16     16     16       12     20     14     16     16     16     16       12     20     14     16     16     16     16       12     20     14     16     16     16     16       12     24     16     17     17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3.2-2<br>4.6 Ft | 17<br>24                       |             |                                                                      | graincer sand with grave                                              | =1               |                             |                |                 |                         |                     |                                        |                 |             | astor                |
| Left Construction of the last of the last of my knowledge<br>B-2-4 Construction of the last of my knowledge<br>B-2-4 Construction of this form is true and correct to the best of my knowledge<br>Thereby certify that the information on this form is true and correct to the best of my knowledge<br>Signature:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 0-2-3           | 18<br>24                       |             |                                                                      | Tan med. to course grain sand with gravel                             | ed SP            |                             |                | 0               |                         | 17                  |                                        |                 |             | solor                |
| B-2-4 C<br>8-10 ft 24<br>-10 Tan weathered dolomite RX II O D No petro<br>-2-5 C<br>10 Tan weathered dolomite RX II O D No petro<br>solor<br>EOB at 11 Feet, sampling<br>complete. Borchole<br>abordered.<br>-14<br>-16<br>-18<br>-19<br>-10<br>-10<br>-10<br>-10<br>-10<br>-10<br>-10<br>-10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 6-8 ft          |                                |             | <u> </u>                                                             | Tan weathered dolomit                                                 | CRX              |                             |                | $\mathcal{O}$   |                         | 0                   |                                        |                 |             | No petro             |
| 8-10 ft     211     0 reg meethered dolomite     RX     0     0     No petros       10-11 ft     13     10     Tan wenthered dolomite     RX     0     0     No petros       10-11 ft     13     12     E0 ft at 11 feet, sampling     0     0     No petros       12     E0 ft at 11 feet, sampling     14     14     0     0     0       14     14     14     14     16     16     0     0       18     10     14     16     16     16     0     0       10     14     14     16     16     16     16     16       12     20     10     10     10     10     10     10       12     20     10     10     10     10     10     10       22     1     14     10     10     10     10     10       12     20     10     10     10     10     10     10       22     1     24     10     10     10     10     10       22     1     10     10     10     10     10     10       23     1     10     10     10     10     10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | n-2-4           | 6                              |             | -                                                                    | Constant del it                                                       | 104              |                             |                | -               |                         | -                   |                                        | [               |             | awol                 |
| 10-11 Ft     13     10     Tan weathered defamile     RX       10-11 Ft     13     E0B at 11 feet, sampling     abardoned       12     complete: Borehole     abardoned       14     16     1       15     1       16     1       18     1       19     1       10     1       10     1       10     1       10     1       10     1       10     1       10     1       10     1       10     1       10     1       10     1       10     1       10     1       11     1       10     1       11     1       11     1       11     1       10     1       11     1       12     1       13     1       14     1       15     1       16     1       17     1       18     1       19     1       10     1       10     1       10     1       10     1 <tr< td=""><td>8-10 Ft</td><td>124</td><td>(</td><td>-</td><td>ordy weather the dolomity</td><td></td><td></td><td></td><td><math>\mathcal{O}</math></td><td>}</td><td>D</td><td></td><td></td><td></td><td>No petro</td></tr<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 8-10 Ft         | 124                            | (           | -                                                                    | ordy weather the dolomity                                             |                  |                             |                | $\mathcal{O}$   | }                       | D                   |                                        |                 |             | No petro             |
| 10-11 Ft     12     EOB at 11 feet, sampling       12     complete. Borchole       abmdonect.         14         16         18         10         14         15         16         18         18         19         10         10         11         12         14         16         18         18         10         10         14         16         18         10         10         11         10         10         10         10         10         10         10         10         10         10         10         10         10         11         10         10         10         10 <td>5-2-5</td> <td>6</td> <td>]</td> <td>10</td> <td>Tan weathered dolomite</td> <td>= RX</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ador</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5-2-5           | 6                              | ]           | 10                                                                   | Tan weathered dolomite                                                | = RX             |                             |                |                 |                         |                     |                                        |                 |             | ador                 |
| I hereby certify that the information on this form is true and correct to the best of my knowledge<br>Signature: Firm: METCO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 10 - 11 Ĥ       | (2                             |             | - 12<br>- 12<br>- 14<br>- 16<br>- 16<br>- 18<br>- 20<br>- 22<br>- 22 | EOB at 11 feet, samplin<br>complete. Borchole<br>abandoned.           | 5                |                             |                |                 |                         |                     |                                        |                 |             |                      |
| Signature: Firm: METCO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | l hereby        | certify tl                     | nat the i   | informatior                                                          | n on this form is true and correct to the l                           | best of my       | knowled                     | ge             |                 |                         |                     |                                        |                 | لى<br>      | ·······              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Signature       | e:                             |             |                                                                      |                                                                       |                  |                             |                |                 | Firm:                   | ME                  | TCO                                    |                 |             |                      |

State of Wisconsin Department of Natural Resources

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#### SOIL BORING LOG INFORMATION Form 4400-122 Rev. 7-98

| Duparan                |                                |                 |                                           |                                                                       |                                        |                        |               | Form 4            | 1400-12                 | 2                           | F                      | (ev. 7-)        | 18               |                                        |
|------------------------|--------------------------------|-----------------|-------------------------------------------|-----------------------------------------------------------------------|----------------------------------------|------------------------|---------------|-------------------|-------------------------|-----------------------------|------------------------|-----------------|------------------|----------------------------------------|
|                        |                                |                 | Route To:                                 | : Watershed / Wastewa<br>Remediation / Redevelopm                     | ater:<br>hent: X                       | Waste<br><b>1</b>      | e Mana        | gement:<br>Other: | :                       |                             |                        |                 |                  |                                        |
|                        |                                |                 |                                           | ·                                                                     | •••••••••••••••••••••••••••••••••••••• |                        |               |                   |                         |                             | Page                   | 1               | of               | 1                                      |
| Facility / I           | Project                        | Name            | 1. L                                      | ~`~                                                                   | Licens                                 | e / Perm               | iit / Mor     | iltoring I        | Number                  |                             |                        |                 | Bo               | ring Number                            |
| Boring Dr              | <u>حےد م</u><br>rilled By      | : Name          | of crew cl                                | hief (first, last) and Firm                                           | Drilling                               | Date SI                | larted        |                   | Drilling                | Date C                      | omplete                | d               | Dr               | illing Method                          |
| First                  | Cra                            | Ì٩              | Last                                      | Plant                                                                 | 6                                      | -6-                    | 12            |                   | 6                       | -6                          | -12                    |                 |                  | HSA                                    |
| Firm:<br>WI Unique     | : (೨ <u>೧</u> ७<br>Well No.    | DNR V           | Yell ID No.                               | Well Name                                                             | M<br>Fín                               | M/ DD/ YY<br>al Static | YY<br>Water I | evel              | M                       | <u>A /DD/ Y`</u><br>Surface | <u>rYY</u><br>Flevatic |                 | <br>P            | Sorehole Diameter                      |
|                        |                                | 2               |                                           |                                                                       |                                        | Feet                   | MSL           |                   |                         | Feet                        | MSL                    |                 | Ļ                | 6"                                     |
| Local Grid             | d Origin                       | (estim          | ated X) or                                | Boring Location                                                       |                                        |                        |               |                   |                         | Local (                     | Grid Loc               | ation           |                  |                                        |
| State Plane<br>Sい % of | e<br>SE %                      | N,<br>of Sectio | Е<br>2013-4.ТЗ                            | 33 N.RIGW                                                             | Lat *                                  | • • •                  | .•            |                   |                         | N<br>Feet S                 | l<br>S Feel            | e<br>w          |                  |                                        |
| Fa                     | acility ID                     | )               |                                           | County                                                                |                                        |                        | Count         | y Code            |                         | C                           | Civil Tow              | m / City        | ίV               | illage                                 |
|                        | Vone                           |                 |                                           | Polk                                                                  |                                        |                        | 49            | <b>,</b>          |                         |                             | sce                    | .010            | 2                | ······································ |
|                        | Sar                            | nple<br>I       |                                           |                                                                       |                                        | 7                      |               | <u>Soil F</u>     | ropertie                | is<br>I                     | <u></u>                | ×               | 7-               | I                                      |
| Number & Typ           | Length Att. &<br>Recovered (ir | Blow Counts     | Depth in Fee<br>(below ground<br>surface) | Soil / Rock Description<br>And Geologic Origin<br>For Each Major Unit | uscs                                   | Graphic Log            | Well Diagram  | PID / FID         | Compressive<br>Strength | Moisture<br>Content         | Liquid Limit           | Plasticity Inde | P 200            | RQD / Comments                         |
| 3-3-1                  | 16                             |                 | -<br>-<br>-<br>-<br>-                     | Brown sandly clay<br>with graved                                      | CL                                     |                        |               | 0                 |                         | М                           |                        |                 |                  | No petro                               |
| 2-4 FF                 |                                | [               | 1                                         |                                                                       |                                        |                        |               | 0                 |                         | M                           |                        |                 |                  | No netro                               |
| B-3.2<br>4-6 ft        | 14<br>२५                       |                 | -<br>-<br>-<br>6                          |                                                                       |                                        |                        |               |                   |                         |                             |                        |                 |                  | odor                                   |
| R-3-3                  | 6                              | {               | -                                         | Tan weathered dolomite                                                | = RX                                   |                        |               | 0                 |                         | $\mathcal{D}$               |                        |                 |                  | No petro                               |
| 6-7Ft                  | 24                             |                 | -<br>- 8                                  | EOB at 7 Feet, auger                                                  | •                                      |                        |               |                   |                         |                             |                        |                 |                  | odar                                   |
|                        |                                |                 |                                           | refusal Borchole                                                      |                                        |                        |               |                   | [                       |                             | -                      | :               |                  |                                        |
|                        |                                | Ì               | -                                         | abanaconcent                                                          |                                        |                        |               |                   |                         |                             |                        |                 |                  |                                        |
|                        |                                |                 | 10<br>~-                                  |                                                                       |                                        | j                      |               |                   |                         |                             |                        |                 |                  |                                        |
|                        |                                |                 | -                                         |                                                                       |                                        |                        |               | [                 |                         |                             |                        |                 | Í                | 1                                      |
|                        | [                              | ļ               | 12                                        |                                                                       |                                        |                        |               |                   |                         |                             |                        |                 |                  |                                        |
|                        |                                |                 | -                                         |                                                                       |                                        |                        |               |                   |                         |                             |                        |                 |                  |                                        |
|                        |                                | ľ               | 14                                        |                                                                       |                                        |                        |               |                   |                         |                             |                        |                 | $\left[ \right]$ |                                        |
|                        |                                |                 | E                                         |                                                                       |                                        |                        |               |                   |                         |                             |                        |                 |                  |                                        |
|                        | }                              |                 | 16                                        |                                                                       | ł                                      |                        |               |                   |                         |                             |                        |                 |                  |                                        |
|                        |                                |                 | -<br>-                                    |                                                                       |                                        |                        |               |                   | l                       |                             |                        |                 |                  |                                        |
|                        | [                              |                 | - 18                                      |                                                                       |                                        |                        |               |                   |                         |                             |                        |                 |                  |                                        |
|                        | {                              | ļ               | -                                         |                                                                       | ļ                                      |                        |               |                   |                         |                             |                        |                 |                  |                                        |
|                        | ]                              | ļ               | - 20                                      |                                                                       |                                        |                        |               |                   |                         |                             |                        |                 |                  |                                        |
| •                      |                                | ĺ               |                                           |                                                                       |                                        |                        |               |                   |                         |                             |                        |                 |                  |                                        |
|                        |                                |                 | - 22                                      |                                                                       |                                        |                        |               |                   |                         |                             |                        |                 |                  |                                        |
|                        |                                |                 | -                                         |                                                                       |                                        |                        |               |                   |                         |                             |                        |                 |                  |                                        |
|                        | 1                              |                 | È.                                        |                                                                       | 1                                      |                        |               |                   |                         |                             |                        |                 |                  |                                        |
| L hereby (             | Certify #                      | l<br>at the i   | 1-24<br>nformation                        | a on this form is true and correct to the                             | best of my                             | knowlede               | De            | <u> </u>          | [                       |                             |                        | L               |                  | · · · · · · · · · · · · · · · · · · ·  |
| Signature              | e:                             | aculoi          |                                           |                                                                       | soc or my                              |                        | <u> </u>      |                   | Firm:                   | ME                          | тсо                    |                 |                  |                                        |
|                        | 7                              | in ,            | Mose                                      | ley                                                                   |                                        |                        |               |                   |                         |                             |                        |                 |                  |                                        |
|                        |                                | 7               |                                           |                                                                       | <u></u>                                |                        |               |                   |                         |                             |                        |                 |                  |                                        |

State of Wisconsin Department of Natural Resource

# SOIL BORING LOG INFORMATION

| Departm           | ent of Na                      | atural R     | esources                                   |                                                                       |                    |             |                 | Form 4    | 400-12                  | 2                   | F            | Rev. 7-9         | 8         |                  |
|-------------------|--------------------------------|--------------|--------------------------------------------|-----------------------------------------------------------------------|--------------------|-------------|-----------------|-----------|-------------------------|---------------------|--------------|------------------|-----------|------------------|
|                   |                                |              | Route To:                                  | Watershed / Wastew                                                    | vater:             | Waste       | e Mana          | gemenl    | :                       |                     |              |                  |           |                  |
|                   |                                |              |                                            | Remediation / Redevelop                                               | nent: X            | ]           |                 | Other     | :                       |                     |              |                  |           |                  |
| <b>E</b> 116 - 1  | Desirat                        |              |                                            |                                                                       | 1                  |             | 14 / 8 <b>/</b> | 14.0.0    |                         |                     | Page         | 1                | of        | 1                |
|                   | Project i                      | vame         | 1                                          | ` ^                                                                   | Licens             | e / Perm    | IL / MOF        | ntoring i | Number                  |                     |              |                  | вo        | 3 - U            |
| Fig.<br>Boring Di | rilled By                      | Name         | of crew ch                                 | hief (first last) and Firm                                            | Drilling           | Date St     | arted           |           | Drilling                | Date C              | omnlete      | d                |           | <u> </u>         |
| First             | t: Cra                         | α<br>Α       | Last:                                      | Plant                                                                 | (a)                | - (         | 12              |           | (0                      | - (0                | -12          |                  | 51        | $11 \leq A$      |
| Firm              | <u>:: Gro</u>                  | una          | Sou                                        | rce                                                                   | M                  | W DD/ YY    | <u> </u>        |           | M                       | 1/DD/ Y             | <u> </u>     |                  |           | 4371             |
| WI Unique         | e Well No.                     | DNR V        | Vell ID No.                                | Well Name                                                             | Fíni               | al Static   | Water L         | evel      | 5                       | Surface             | Elevatic     | n                | B         | orehole Diameter |
| Level Cri         |                                | ( (          |                                            | Design Lageflag                                                       |                    | Feet        | MSL             |           |                         | Feet                | MSL          |                  | . <u></u> | 0                |
| State Plan        | ia ongin<br>ie                 | (esum<br>N.  | F                                          | Bonng Location                                                        | Lat °              |             |                 |           |                         | LUCAL               |              | auon<br>E        |           |                  |
| 56 % 0            | 15E %                          | of Section   | <u>л 34, т 3</u>                           | 53 N.R. 19W                                                           | Long               | o t +       |                 |           |                         | Feet                | S Feet       | w                |           |                  |
| F                 | acility ID                     |              |                                            | County                                                                |                    |             | Count           | y Code    |                         | Ċ                   | Civil Tow    | m / City         | 1V        | illage           |
|                   | Vone                           |              | - M <u>arazan (</u>                        | Polk                                                                  |                    |             | 49              | 0.114     |                         |                     | sce          | 010              | ٤         |                  |
| <del></del> و     |                                | nple         | 1                                          | ······································                                |                    | 1           |                 | Soll F    | ropertie                | es                  | <u> </u>     | ×                | 1-1       |                  |
| Number & Typ      | Length Att. &<br>Recovered (in | Blow Counts  | Depth in Feet<br>(below ground<br>surface) | Soil / Rock Description<br>And Geologic Origin<br>For Each Major Unit | s<br>cs<br>cs<br>c | Graphic Log | Well Diagram    | PID / FID | Compressive<br>Strength | Moisture<br>Content | Liquid Limit | Plasticity Index | P 200     | RQD / Comments   |
|                   |                                |              |                                            |                                                                       |                    |             |                 |           |                         |                     |              |                  |           | -                |
| 0 11 1            | 12                             | 1            | 2<br>                                      | Brown sandy day                                                       | CL                 |             |                 | 0         | 1                       | M                   |              |                  |           | No petro         |
| 2-4-1<br>2-4 Ft   | 24                             |              | -<br>4                                     |                                                                       |                    |             |                 | D         |                         | M                   |              |                  |           | No netro         |
| B. 4-2            | 14<br>२५                       |              | -                                          | Brawn meet, to coarse<br>grained sand with grau<br>and cobbles        | rel SP             | •••         |                 |           |                         |                     |              |                  |           | odor             |
| η. ( <b>μ</b> . ) | 1                              | (            |                                            | F.OB at lo feet, anger                                                | ~                  |             |                 |           |                         |                     | ł            |                  |           |                  |
|                   |                                |              | -                                          | refusal. Barahole                                                     |                    |             |                 |           |                         |                     |              |                  |           |                  |
|                   |                                |              | 8                                          | abardoncol.                                                           |                    |             |                 |           |                         |                     |              |                  |           |                  |
|                   |                                |              | -                                          |                                                                       |                    |             |                 |           |                         |                     |              |                  |           |                  |
|                   |                                |              | -<br>-<br>10                               |                                                                       |                    |             |                 |           | )                       |                     | ]            |                  |           |                  |
|                   |                                |              |                                            |                                                                       |                    |             |                 |           |                         |                     |              |                  |           |                  |
|                   |                                |              | -                                          | )                                                                     |                    |             |                 |           |                         |                     |              |                  |           |                  |
|                   |                                |              | _12                                        |                                                                       |                    |             |                 | [         | [                       | [                   | [            |                  |           |                  |
|                   |                                | Į            | -                                          |                                                                       |                    |             |                 |           |                         | 1                   |              |                  |           |                  |
|                   |                                |              | <u></u> 14                                 |                                                                       | ļ                  |             |                 | ļ         | [                       | {                   | ł            |                  |           |                  |
|                   |                                |              | -                                          |                                                                       |                    |             |                 |           |                         |                     |              |                  |           |                  |
|                   |                                | [            |                                            |                                                                       |                    |             |                 |           |                         |                     | 1            |                  |           |                  |
|                   |                                |              | 16<br>_                                    |                                                                       |                    |             |                 |           |                         |                     |              |                  |           |                  |
|                   |                                |              |                                            |                                                                       |                    |             |                 |           |                         | ļ                   |              |                  |           |                  |
|                   |                                | 1            | 18                                         |                                                                       |                    |             |                 |           |                         |                     |              |                  |           |                  |
|                   |                                |              | -                                          |                                                                       |                    |             |                 |           |                         | ]                   | }            |                  |           |                  |
|                   |                                |              | -                                          |                                                                       |                    |             |                 |           |                         |                     |              |                  |           |                  |
|                   |                                |              | 2U                                         |                                                                       |                    | ]           |                 |           |                         |                     | ļ            |                  |           |                  |
|                   |                                |              | -                                          |                                                                       |                    |             |                 | 1         |                         | [                   | [. · ·       |                  |           |                  |
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|                   |                                | ļ            | -                                          |                                                                       |                    | Í           |                 | (         | ĺ                       |                     |              |                  |           |                  |
|                   |                                | 1            | - 24                                       |                                                                       |                    |             |                 |           | ļ                       | ļ                   |              |                  |           |                  |
| I hereby          | certify th                     | 1<br>nat the | I                                          | I non this form is true and correct to the                            | best of mv         | iknowled    | ge              | <b></b>   | J                       | I                   | <u> </u>     |                  | L         |                  |
| Signatur          | re:                            |              |                                            |                                                                       |                    |             | ×               |           | Firm:                   | ME                  | TCO          |                  |           |                  |
|                   | 4                              | Tory.        | Mose                                       | ler                                                                   |                    |             |                 |           |                         |                     |              |                  |           |                  |

State of Wisconsin

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# SOIL BORING LOG INFORMATION

| Departme                | ent of Na                       | atural R    | esources                                   |                                                                       |            |              |               | Form 4     | 400-12                                 | 2                    | F               | Rev. 7-9         | 8        |                                       |
|-------------------------|---------------------------------|-------------|--------------------------------------------|-----------------------------------------------------------------------|------------|--------------|---------------|------------|----------------------------------------|----------------------|-----------------|------------------|----------|---------------------------------------|
|                         |                                 |             | Route To:                                  | Watershed / Wastewate                                                 | r:         | Waste        | e Manag       | gement:    |                                        |                      |                 |                  |          |                                       |
|                         |                                 |             |                                            | Remediation / Redevelopmen                                            | t X        | ]            |               | Other      |                                        |                      |                 |                  | - (      | -,                                    |
| Facility / I            | Project I                       | Vame        |                                            |                                                                       | Licens     | e / Perm     | it / Mon      | itorina l  | Number                                 |                      | Page            | 1                | or<br>Br | 1<br>pring Number                     |
| Fle                     | <u>^ &lt; -</u>                 | s F         | Terto                                      | ~ic                                                                   | 60010      | 0110111      |               | intering i | Tamber                                 |                      |                 |                  | Ĩ        | 3-5                                   |
| Boring Dr               | illed By:                       | Name        | of crew cl                                 | hief (first, last) and Firm                                           | Dritting   | Date St      | arted         |            | Drilling                               | Date C               | omplete         | ed               | Dr       | illing Method                         |
| First                   | Crai                            | `گ          | Last:                                      | Plant                                                                 | 6.         | - 6-         | 12            |            | 6                                      | -6                   | -12             | ;                |          | HSA                                   |
| Firm:<br>WI Unique      | Well No.                        | DNR V       | Vell ID No.                                | Well Name                                                             | Mt<br>Fina | W DD/ YY     | YY<br>Water I | evel       | MN                                     | A /DD/ Y1<br>Surface | rry<br>Elevatio |                  |          | Rorehole Diameter                     |
|                         |                                 |             |                                            |                                                                       |            | Feet         | MSL           |            |                                        | Feet                 | MSL             |                  |          | 6"                                    |
| Local Gri               | d Origin                        | (estim      | ated X) or                                 | Boring Location                                                       |            |              | ·             |            |                                        | Local C              | Grid Loc        | ation            |          |                                       |
| State Plane             |                                 | N,          | E<br>いつび テマ                                | TNDIGI                                                                | Lat *      | 4 u<br>9 F K |               |            |                                        | N                    | l<br>2 5-11     | E                |          |                                       |
| <u>- 500 % 00</u><br>Fa | acility ID                      | of Sectio   | <u>, 1, 7°2 IX</u>                         | County                                                                | Long       |              | Count         | y Code     | ······································ | Feet s               | S Feet          | m / City         | 77       | íllage                                |
|                         | Vone                            |             |                                            | POIK                                                                  |            |              | 49            | ,          |                                        | 0                    | sce             | .010             | 2        | а.<br>1                               |
| ·                       | Sar                             | nple        |                                            | ······································                                |            | ,            |               | Soil F     | ropertie                               | s                    | - <u>-</u>      |                  |          | ······                                |
| Number & Type           | Length Att. &<br>Recovered (in) | Blow Counts | Depth in Feet<br>(below ground<br>surface) | Soil / Rock Description<br>And Geologic Origin<br>For Each Major Unit | nscs       | Graphic Log  | Well Diagram  | DID / FID  | Compressive<br>Strength                | Moisture<br>Content  | Liquid Limit    | Plasticity Index | P 200    | RQD / Comments                        |
|                         |                                 |             | -                                          |                                                                       |            |              |               |            |                                        |                      |                 |                  |          |                                       |
|                         |                                 |             |                                            |                                                                       |            |              |               |            |                                        |                      |                 |                  |          |                                       |
|                         | 1.1                             |             | 2<br> -                                    | Brown dayey sand                                                      | CL         |              |               | 0          |                                        | M                    |                 |                  |          | No petro                              |
| 3-5-1                   | 24                              |             | -                                          | cobbles                                                               |            |              |               |            |                                        |                      |                 | · ·              |          | 02.12                                 |
| 2-9-11                  | ]                               |             | 4                                          |                                                                       | 1000       | 44           |               | $\cap$     |                                        | $\triangleright$     |                 |                  |          | No Detro                              |
| R-5-2                   | ІН                              |             | -                                          | Tan to gray weathere                                                  | q KX       | TT           |               |            |                                        |                      |                 |                  |          | odor                                  |
| 4.6 Ft                  | 24                              |             | 6                                          | dolomite                                                              |            | T            |               |            |                                        |                      |                 |                  |          | -                                     |
|                         | 0                               |             | <u> -</u>                                  | No recovery                                                           |            | TI           |               |            |                                        |                      |                 |                  |          |                                       |
| 1-9-5                   | 24                              | }           | -<br> -                                    | Connectional delawite                                                 | ax         |              |               |            |                                        |                      |                 |                  | (        |                                       |
| 2                       | u                               |             | °<br> -                                    | brey weather of the lite                                              |            |              |               | 0          |                                        | D                    |                 |                  |          | No petro                              |
| 8.8.5Ft                 | 6                               | (           | -                                          | EOB at 8.5 feet, auger                                                | 1          |              |               |            |                                        |                      |                 |                  |          | and                                   |
|                         |                                 |             | 10                                         | abardoned.                                                            |            |              |               |            |                                        |                      |                 |                  | ļ        |                                       |
|                         |                                 |             | E                                          |                                                                       |            |              |               |            |                                        |                      |                 |                  |          |                                       |
|                         |                                 | ]           | <u>-</u> 12                                | )                                                                     |            |              |               |            |                                        |                      |                 |                  |          | 2                                     |
|                         | ļ                               | 1           | -                                          |                                                                       |            |              |               |            |                                        |                      |                 |                  |          |                                       |
|                         |                                 | ĺ           | ~ 14                                       |                                                                       |            |              |               | ĺ          |                                        |                      |                 |                  |          |                                       |
|                         |                                 | ł           | -                                          |                                                                       |            |              |               |            |                                        |                      |                 |                  |          | c.                                    |
|                         |                                 |             | -<br>-                                     |                                                                       |            |              | i             |            |                                        |                      |                 |                  |          |                                       |
|                         |                                 |             | 16                                         |                                                                       |            |              |               |            |                                        |                      |                 |                  |          |                                       |
|                         |                                 |             | ~<br>                                      |                                                                       | [          |              |               |            |                                        |                      |                 |                  |          |                                       |
|                         |                                 | [           | 18                                         |                                                                       |            |              |               |            |                                        |                      |                 |                  |          |                                       |
|                         | 1                               | ļ           | }<br> -                                    |                                                                       |            |              |               |            | Į                                      |                      |                 |                  |          |                                       |
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|                         | ]                               | ]           | _                                          | ļ                                                                     |            |              |               |            |                                        |                      |                 |                  |          |                                       |
|                         | ]                               | }           | -                                          |                                                                       | Í          | [            |               |            |                                        |                      |                 |                  |          |                                       |
|                         |                                 |             | <sup>22</sup>                              | [                                                                     | 1          |              |               |            |                                        |                      |                 |                  |          |                                       |
|                         |                                 | {           | F                                          | }                                                                     |            |              |               |            |                                        |                      |                 |                  |          |                                       |
|                         | L                               |             | 24                                         | L                                                                     | ļ          |              |               |            |                                        |                      |                 |                  |          |                                       |
| I hereby of             | certify th                      | iat the i   | nformation                                 | on this form is true and correct to the bes                           | t of my l  | nowledg      | ]e            |            |                                        |                      | T00             |                  |          | · · · · · · · · · · · · · · · · · · · |
| Signature               | ه.<br>جب                        | <u> </u>    | M.s.A                                      | la. 1                                                                 |            |              |               |            | r:rm;                                  | WE                   | 100             |                  |          |                                       |
|                         |                                 | cay/        | 1020                                       |                                                                       |            |              | ·             |            |                                        |                      |                 |                  |          |                                       |

State of Wisconsin .... F.K.L.

# SOIL BORING LOG INFORMATION

| Берацию         | BULOUNS                        | itural R    | esources                                 |                |                                                      |                         |          |                                |              | Form 4    | 400-12                  | 2                   | F               | Rev. 7-9        | 8        |                   |
|-----------------|--------------------------------|-------------|------------------------------------------|----------------|------------------------------------------------------|-------------------------|----------|--------------------------------|--------------|-----------|-------------------------|---------------------|-----------------|-----------------|----------|-------------------|
|                 |                                |             | Roule To:                                |                | Watershe                                             | d / Wastewater          | :        | Waste                          | e Manaç      | gement    | :                       |                     |                 |                 |          |                   |
|                 |                                |             |                                          |                | Remediation / I                                      | Redevelopment           | X        | ]                              |              | Other     | . <u></u>               |                     |                 |                 |          | •,                |
| Eacility / I    | Project N                      | Jame        |                                          |                |                                                      |                         | Licens   | e / Porm                       | it / Mon     | itorina l | lumber                  |                     | Page            | 1               | of<br>Bo | 1<br>ring Number  |
| Le.             |                                | o F         | lecto                                    | i'r            |                                                      |                         | LIGENS   | Cri ena                        | it i mon     | atoning i | adino Gi                |                     |                 |                 | Ĩ        | 3 - 6             |
| Boring Dr       | illed By:                      | Name        | of crew cl                               | nief (first, I | ast) and Firm                                        |                         | Drilling | Date S                         | arted        |           | Drilling                | Date C              | omplete         | ed              | Dri      | illing Method     |
| First:          | Crai                           | ٩           | Last:                                    | Plan           | +-'                                                  |                         | 6-       | -6-                            | 12           |           | Ğ                       | -6                  | -12             |                 |          | ц <a< td=""></a<> |
| Firm:           | Gro                            | <u>una</u>  | Sour                                     | ce_            |                                                      |                         | M        | W DD/ Y                        | <u> </u>     |           | M                       | 1/DDÌ Y             | <u> </u>        |                 |          | -1-2/7            |
| MI Ouldne       | YYEL NO.                       | DNR V       | Vell ID No.                              |                | well Name                                            | 9                       | Fina     | al Static                      | Water L      | evel      |                         | Surface             | Elevatio        | អា              | 8        | orehole Diameter  |
| Local Grie      | d Origin                       | (estim      | ated X) or                               | Boring Lo      | cation                                               |                         |          | Feet                           | MSL          |           |                         | Feet                | MSL<br>Srid Loc | ation           |          | 0                 |
| State Plane     | e                              | N,          | E                                        | 201119 20      | cation                                               |                         | Lat °    |                                |              |           |                         | N                   | [               | E               |          |                   |
| 5W 14 of        | SE %                           | of Sectio   | m34,T3                                   | 3 N.R.1        | 7W                                                   |                         | Long     | • 1 *                          |              |           |                         | Feel                | S Feet          | W               |          |                   |
| Fa              | acility ID                     |             |                                          |                | Count                                                | y<br>Y                  |          |                                | Count        | y Code    |                         | 0                   | Vivil Tow       | /n / City       | : / Vi   | illage            |
|                 | Vone                           |             |                                          |                | 101                                                  | r                       |          |                                | 49           | <u></u>   |                         | 0                   | 500             | 010             | 2        |                   |
| <u></u>         | San                            | ipie        |                                          |                |                                                      |                         | 1        | <u> </u>                       | -            | 3011      | Toperat                 | s<br>               |                 | ×               | T-1      |                   |
| Number & Typ    | Length Att. 8<br>Recovered (ir | Blow Counts | Depth in Fee<br>(below groun<br>surface) |                | Soil / Rock Desc<br>And Geologic O<br>For Each Major | iption<br>rigin<br>Unit | USCS     | Graphic Log                    | Well Diagram | PID / FID | Compressive<br>Strength | Moisture<br>Content | Liquid Lìmit    | Plasticity Inde | P 200    | RQD / Comments    |
|                 |                                |             | <br>2                                    | Brown          | sandy c                                              | lay with                | CL.      |                                |              | 0         |                         | M                   |                 |                 |          | No petro          |
| B-6-1<br>2.4 Ft | 20<br>24                       |             |                                          | Tan            | water Tal                                            | dolomite                | P.V.     |                                |              |           |                         |                     |                 |                 |          | dolor             |
| B-6-2<br>4-6 Ft | 12<br>24                       |             | -<br>-<br>-<br>-                         | Orang          | e weathere                                           | d                       | RX       |                                |              | 0         |                         | M                   |                 |                 |          | No perio<br>octor |
| B-6-3           | 2                              |             | -                                        | 640 (25)       |                                                      |                         |          |                                |              | 0         |                         | Μ                   |                 |                 |          | No petro          |
| 3=6-4<br>8-9 Ft | 2                              |             | -<br>-<br>-                              | Tan w          | + a cost                                             | dolonnite               | RX       | <mark>│₋└<sub>┱</sub>┥╴</mark> |              | 0         |                         | D                   |                 |                 |          | Nopetro           |
|                 |                                |             | [10<br>-<br>-                            | refuso         | I. Borchaloncol.                                     | ic l                    |          |                                |              |           |                         |                     |                 |                 |          |                   |
|                 |                                |             | 12<br>                                   |                |                                                      |                         |          |                                |              |           |                         |                     |                 |                 |          |                   |
|                 |                                |             | 14<br>                                   |                |                                                      |                         |          |                                |              |           |                         |                     |                 |                 |          |                   |
|                 |                                |             | 16<br>                                   |                |                                                      |                         |          |                                |              |           |                         |                     |                 |                 |          |                   |
|                 |                                |             | 18                                       |                |                                                      |                         |          |                                |              |           |                         |                     |                 |                 |          |                   |
|                 |                                |             | 20                                       |                |                                                      |                         |          |                                |              |           |                         |                     |                 |                 |          |                   |
|                 |                                |             |                                          | •              |                                                      |                         |          |                                |              | 1         |                         |                     |                 |                 |          |                   |
|                 |                                |             |                                          |                |                                                      |                         |          |                                |              |           |                         |                     |                 |                 |          |                   |
| horabu          | ortific th                     | at the t    | 1-24<br>nformetter                       | on this fe     | rm is true and as                                    | rrack for the bee       | L former | ]                              |              | <u> </u>  | L                       |                     |                 | <u> </u>        | Ц        |                   |
| Signature       | Secury U                       | at the l    | nomation                                 |                | ini is alue anu cu                                   | areor to alle bes       | cor my i | NIOMIGO                        | 90           |           | Firm                    | MF                  | TCO             |                 | —        |                   |
|                 | T.                             | Tay/        | Mose                                     | ler            |                                                      |                         |          |                                |              |           |                         |                     |                 |                 |          |                   |

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#### Well / Drillhole / Borehole Filling & Sealing Page 1 of

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Retur form to the appropriate DNR office and bureau. See instructions on reverse for more information.

|                                                    | Route to:                             |                                                  |                               |                                        |             |                      |  |
|----------------------------------------------------|---------------------------------------|--------------------------------------------------|-------------------------------|----------------------------------------|-------------|----------------------|--|
| Verification Only of Fill and Seal                 | Drinking Water                        | Wa                                               | itershed/Was                  | stewater                               | Remedi      | ation/Redevelopmer   |  |
|                                                    | Waste Managemer                       | nt 🗌 Oth                                         | ner:                          |                                        |             |                      |  |
| 1. Well Location Information                       | " <u>I</u>                            | 2. Facility / O                                  | Owner Info                    | rmation                                |             | <u></u>              |  |
| County WI Unique Well # of                         | Hicap #                               | Facility Name                                    | 11                            | -11                                    | <u> </u>    |                      |  |
| 2.1v Removed Well                                  | 2-1                                   |                                                  | Harson                        | n Electi                               | i C         |                      |  |
| <u>- 10/N</u>                                      |                                       | Facility ID (FID o                               | or PWS)                       |                                        |             |                      |  |
| Lattitude / Longitude (Degrees and Minutes) Metho  | d Code (see instructions)             |                                                  |                               |                                        |             |                      |  |
| ` <b></b> ``N                                      |                                       | License/Permit/f                                 | Monitoring #                  | ŧ                                      |             |                      |  |
| ° 'W                                               |                                       | Ĺ                                                |                               |                                        |             |                      |  |
| V/V V Section Tow                                  | vnship Range E                        | Original Well Ov                                 | wner                          |                                        |             |                      |  |
| or Gov't Lot #                                     | wП и                                  |                                                  |                               |                                        |             |                      |  |
| Well Street Address                                |                                       | Present Well Ov                                  | wner                          |                                        |             |                      |  |
| 613 STH3S                                          |                                       | Mailing Address                                  | of Present                    | Owner                                  |             |                      |  |
| Well City, Village or Town                         | Well ZIP Code                         | Maining Address                                  | Sorresen                      | Owner                                  |             |                      |  |
| Osceola                                            |                                       | City of Present (                                | Owner                         |                                        | State       | ZIP Code             |  |
| Subdivision Name                                   | Lot #                                 |                                                  | •••••                         |                                        |             |                      |  |
|                                                    |                                       | 4. Pump, Line                                    | er, Screen,                   | , Casing & Seal                        | ing Mater   | 'ial                 |  |
| Reason For Removal From Service WI Unique we       | II # of Replacement well              | Durun and ale                                    |                               |                                        | <u> </u>    |                      |  |
| Sapling complete                                   |                                       | Pump and pip                                     | ping remove                   | ia r                                   | E E         |                      |  |
| 3. Well / Drillhole / Borehole Information         | in the first of the second            | Liner(s) remo                                    |                               |                                        |             |                      |  |
| Monitoring Well                                    |                                       | Screen remov                                     |                               |                                        |             |                      |  |
| Water Well                                         |                                       |                                                  |                               |                                        |             |                      |  |
| Rorehole / Drillhole please attach.                | aion Report is available,             | Vas casing cut on below surface?                 |                               |                                        |             |                      |  |
| Construction Type:                                 |                                       | L Did sealing m                                  | naterial rise                 | to surface?                            |             | res 🗆 No 🗀 N.        |  |
|                                                    |                                       | If yes was hole reformed?                        |                               |                                        |             |                      |  |
|                                                    |                                       | If bentonite chips were used, were they hydrated |                               |                                        |             |                      |  |
|                                                    |                                       | with water from                                  | m a known s<br>d of Dioeion   | safe source?                           | 25          | Yes No No No         |  |
| Formation Type:                                    |                                       |                                                  | u ul macing<br>: Pine-Groviti |                                        | Dino Dumo   | ad                   |  |
| Bedr                                               | ock                                   | - Conductor Pipe-Gravity Conductor Pipe-Pumped   |                               |                                        |             |                      |  |
| Total Well Depth From Ground Surface (ft.) Casing  | Diameter (in.)                        | (Bentonite                                       | Chips)                        |                                        | am):        |                      |  |
| Lower Drillhole Disputer (in )                     | Donth (ft.)                           | Sealing Materials                                | lS<br>ant Crowt               | [                                      | CI-V Dans   |                      |  |
| Lower Dramole Diameter (Int,) Casing               |                                       |                                                  | ent Groui                     |                                        | Rantonito   | Source and Sturnet " |  |
|                                                    |                                       |                                                  |                               |                                        | Bentonite   | Chins                |  |
| Was well annular space grouted?                    |                                       | For Monitoring W                                 | Vells and Mc                  | onitorina Well Bore                    | holes Only  | empa<br>r            |  |
| If yes, to what depth (feet)? Depth to Wa          | ter (feet)                            | Bentonite (                                      | Chips                         | Bento                                  | nite - Ceme | ent Grout            |  |
|                                                    |                                       | Granular B                                       | Bentonite                     | 🗌 Bento                                | nite - Sand | Slurry               |  |
| 5. Material Used To Fill Well / Drillhole          |                                       | From (ft.)                                       | To (ft.)                      | No. Yards, Sacks                       | Balant      | Mix Ratio or         |  |
| Re In Io                                           |                                       | Surface 7                                        |                               | ZC                                     | ae onej     | Muu vveignt          |  |
|                                                    | · · · · · · · · · · · · · · · · · · · |                                                  |                               |                                        |             | · · ·                |  |
|                                                    |                                       |                                                  |                               | ······································ |             |                      |  |
| 6. Comments                                        |                                       | L                                                |                               |                                        | ·····       | i                    |  |
|                                                    |                                       |                                                  |                               |                                        |             |                      |  |
|                                                    |                                       |                                                  |                               |                                        |             |                      |  |
| 7. Supervision of Work                             |                                       |                                                  |                               |                                        | DNR Use     | Only                 |  |
| Name of Person or Firm Doing Filling & Sealing Lie | cense # Date of Fi                    | lling & Sealing (m                               | nm/dd/yyyy)                   | Date Received                          | Not         | ed By                |  |
| Croined Source                                     | 4462 6-                               | 6-12                                             |                               | <u> </u>                               |             | <b>-</b>             |  |
| Street or Route                                    | Te                                    | elephone Number                                  | a, -                          | Comments                               |             |                      |  |
| 5611 100110-E1-                                    | ((                                    | 100) 55/-                                        | -7600                         | 1                                      |             |                      |  |
| uny 🔨 🔿 State                                      | LIP Code                              | isignature of Per                                | rson Doing \                  | AA OLK                                 | Pat         | e signea             |  |

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#### Well / Drillhole / Borehole Filling & Sealing Page 1 of

Form 3300-005 (R 4/08)

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|                                                    | Route to:                                |                |                                   |                                       |             |                                    |
|----------------------------------------------------|------------------------------------------|----------------|-----------------------------------|---------------------------------------|-------------|------------------------------------|
| Verification Only of Fill and Seal                 | Drinking Water                           |                | Watershed/W                       | astewater                             | Reme        | diation/Redevelopmer               |
|                                                    | Waste Managemer                          | nt 🗌           | Other:                            |                                       |             |                                    |
| 1. Well Location Information                       |                                          | 2. Facility    | / / Owner Inf                     | ormation                              |             |                                    |
| County WI Unique Well # of                         | Hicap #                                  | Facility Nam   | ne //                             | -11                                   |             |                                    |
| 2.1v Removed Well                                  | 2-2                                      | -              | Hansa                             | m Electi                              |             |                                    |
| <u>    10/N                                </u>    |                                          | Facility ID (I | ID or PWS)                        |                                       |             |                                    |
| Lattitude / Longitude (Degrees and Minutes) [Metho | d Code (see instructions)                |                |                                   |                                       |             |                                    |
| `N                                                 |                                          | License/Per    | mit/Monitoring                    | j #                                   |             |                                    |
| ' ' W                                              |                                          |                |                                   |                                       |             |                                    |
| 1/4/1/4 1/4 Section Tox                            | wnship Range                             | Original We    | ll Owner                          |                                       |             |                                    |
| or Gov't Lot #                                     | N Dw                                     |                |                                   |                                       |             |                                    |
| Well Street Address                                |                                          | Present We     | ll Owner                          | •                                     |             |                                    |
| 613 STH35                                          |                                          |                |                                   | 10                                    |             |                                    |
| Well City, Village or Town                         | Well ZIP Code                            | Malling Add    | ress of Preser                    | it Owner                              |             |                                    |
| Osceola                                            |                                          | City of Pres   | ant Owner                         |                                       | Stata       | 7IP Code                           |
| Subdivision Name                                   | Lot #                                    |                | ent Owner                         |                                       | State       |                                    |
|                                                    |                                          | 4 Dump         | Linar Caraa                       | n Casing & San                        | Ling Mat    | _L                                 |
| Reason For Removal From Service WI Unique We       | II # of Replacement Well                 | 4. Fump,       | Liner, Scree                      | n, casing & sea                       |             |                                    |
| Sapling complete                                   |                                          | Pump an        | d piping remo                     | ved?                                  |             |                                    |
| 3. Well / Drillhole / Borehole Information         |                                          | Liner(s) r     | emoved?                           |                                       |             | JYes LINO 🖄 N                      |
| Original Construct                                 | ion Date (mm/dd/yyyy)                    | Screen re      | emoved?                           |                                       |             |                                    |
|                                                    | -1'2                                     | Casing le      | eft in place?                     |                                       |             | <u>Yes UNo UN</u>                  |
| If a Well Construct                                | tion Report is available,                | Was casi       | ng cut off belo                   | w surface?                            | Ļ           | Yes No KN.                         |
| Please attach.                                     | · · · · · · · · · · · · · · · · · · ·    | Did seali      | ng material ris                   | e to surface?                         | Þ           | Yes INO IN                         |
| Construction Type:                                 | _                                        | Did mate       | rial settle after                 | 24 hours?                             | L           | Yes HNO UN                         |
| Driven (Sandpoint)                                 | Dug                                      | If yes         | s, was hole ret                   | opped?                                |             | ] <sub>Yes</sub> D <sub>No</sub> 🖄 |
| Other (specify):                                   |                                          | If bentoni     | te chips were i<br>r from a known | used, were they hyd<br>n safe source? | Iraled 5    |                                    |
| Formation Type:                                    |                                          | Required M     | ethod of Placin                   | g Sealing Material                    |             |                                    |
| Bed                                                | rock                                     | Condu          | uctor Pipe-Grav                   | vity 🔲 Conductor                      | Pipe-Pun    | nped                               |
| Total Well Depth From Ground Surface (ft.) Casing  | Diameter (in.)                           |                | ned & Poured                      | Other (Exp                            | lain):      |                                    |
| 1                                                  |                                          | Sealing Mat    | erials                            |                                       |             |                                    |
| Lower Drillhole Diameter (in.) Casing              | Depth (ft.)                              | Neat C         | Cement Grout                      |                                       | ] Clay-Sa   | nd Slurry (11 lb./gal. w           |
| 6                                                  | <b></b>                                  | Sand-          | Cement (Conc                      | rete) Grout                           | Bentonil    | le-Sand Slurry " "                 |
|                                                    |                                          | Concr          | ete                               |                                       | Bentoni     | te Chips                           |
| was well annuar space grouted?                     |                                          | For Monitori   | ng Wells and I                    | Monitoring Well Bor                   | eholes Or   | ily:                               |
| If yes, to what depth (feet)? Depth to Wa          | ller (feel)                              | Bento          | nile Chips                        | Bento                                 | onite - Cer | ment Grout                         |
|                                                    |                                          | Granu          | lar Bentonite                     | Bento                                 | onite - Sar | id Slurry                          |
| 5. Material Used To Fill Well / Drillhole          |                                          | From (ft.)     | To (ft.)                          | No. Yards, Sack                       | s alant     | Mix Ratio or<br>Mud Weight         |
| Ben for to                                         |                                          | Surface        |                                   | 3 <                                   | 010 0110    | indu Holgin                        |
|                                                    |                                          |                | <u> </u>                          |                                       |             |                                    |
| ······································             | · · · · · · · · · · · · · · · · · · ·    | <u> </u>       | <u> </u>                          |                                       |             |                                    |
| 6. Comments                                        | MMM-1                                    | 1              | <u> </u>                          | L                                     |             |                                    |
|                                                    |                                          |                |                                   |                                       |             |                                    |
|                                                    |                                          |                |                                   |                                       |             |                                    |
| 7. Supervision of Work                             | ., <u>"''</u> …, <u>…</u> …, <u>…</u> …, |                |                                   |                                       | DNR Us      | e Only                             |
| Name of Person or Firm Doing Filling & Sealing Li  | cense # Date of Fi                       | lling & Sealir | ng (mm/dd/yyy                     | y) Date Received                      | N           | oted By                            |
| Ground Source                                      | 4462 10-                                 | 6-12           |                                   |                                       |             |                                    |
| Street or Route                                    | Γε                                       | elephone Nu    | mber                              | Comments                              |             |                                    |
| 3671 Monroeke                                      |                                          | ido) 33        | 7-9600                            | )                                     |             |                                    |
| City Do P.                                         | ZIP Code                                 | Signature o    | f Person Doin                     | g Work                                | q           | ate Signed                         |
| Kerere us                                          | F <u>84115</u>                           | C              | > Ma                              |                                       |             |                                    |

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# Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 of Page 1 of

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| Uverification Only of Fill and Seal       Uvering Water       Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Weatersheed/Wea                  | torm to the appropriate Drift o |                                   | Route to:                 |                           |                                |                                        |                   |                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------|---------------------------|---------------------------|--------------------------------|----------------------------------------|-------------------|------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Verification Only of            | Fill and Seal                     | Drinking Water            |                           | Watershed/W                    | /astewater [                           | Remedia           | ation/Redevelopmer                 |
| 1. Well Location Information       2. Facility / Owner Information         County       Mit Unique Well # of<br>Removed Well       Market Service Ser                                                  |                                 |                                   | Waste Managem             | ient                      | Other:                         |                                        |                   |                                    |
| County       MU Unique Weil A       Prese Life       Facility Name       Hansen Electric         Calify       Antipy Difficulation       Baras       Facility Name       Facility Name       Facility Name         Vi/1/X       /k       Bection       Township       Facility Of Fresent Owner       Difficulation       Difficulatio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1. Well Location Informa        | tion                              |                           | 2. Facility               | / Owner In                     | formation                              |                   |                                    |
| Latitude / Langlude (Degrees and Minutos)       Mothod Code (see instructions)       Acity ID (PD of PWS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | County W<br>RIK                 | I Unique Well # of<br>emoved Well | B-3                       | Facility Nam              | Hens-                          | m Electri                              | ،د                |                                    |
| Image: Sector in township Range: E       Original Well Owner         Image: Sector in township Range: E       Original Well Owner         Image: Sector in township Range: E       Original Well Owner         Image: Sector in township Range: E       Original Well Owner         Image: Sector in township Range: E       Original Well Owner         Image: Sector in township Range: E       Mailing Address of Present Owner         Image: Sector in township       Well ZIP Code         Image: Sector in township       Original Construction Owner         Image: Sector in township       Original Construction Owner         Image: Sector in the township       Original Construction Owner         Image: Sector in the township       Original Construction Ruport is available.         Image: Sector in the township       Original Construction Ruport is available.         Image: Sector in the township       Image: Sector in the township         Image: Sector in the township       Original Construction Ruport is available.         Image: Sector in the township       Image: Sector in the township         Image: Sector in the township       Original Construction Ruport is available.         Image: Sector in the township       Image: Sector in the township         Image: Sector in the township       Original Construction Ruport is available.         Image: Sector in the township                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Latlitude / Longitude (Degree   | es and Minutes) Metho             | d Code (see instruction   | Facility ID (F<br>s) ]    | ID or PWS)                     |                                        |                   |                                    |
| X1/X       X       Section       Township       Range       E       Original Well Owner         Or GOVI Lot if       N       W       Present Wall Owner       Present Wall Owner         Woll City, Village or Town       Well ZIP Code       City of Present Owner       State       ZIP Code         Subdivision Name       Lot #       City of Present Owner       State       ZIP Code         Subdivision Name       Lot #       City of Present Owner       State       ZIP Code         Subdivision Name       Lot #       City of Present Owner       State       ZIP Code         Subdivision Name       Lot #       City of Present Owner       State       ZIP Code         Subdivision Name       Lot #       City of Present Owner       State       ZIP Code         Subdivision Name       Lot #       City of Present Owner       State       ZIP Code         Subdivision Name       Dreginal Construction Date (mm/ddlyyy)       Liner(s) removed?       Pres       No       No       No       No         2. Well / Drillnole       Dreginal Construction Report is avaitable.       Use aring nation for the courd?       Pres       No       No </td <td></td> <td>· 'N</td> <td></td> <td>License/Peri</td> <td>mit/Monitorin</td> <td>g #</td> <td></td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                 | · 'N                              |                           | License/Peri              | mit/Monitorin                  | g #                                    |                   |                                    |
| ar Govt Lot #       N       W         Well Steel Address       Fresent Well Owner         Well City, Village or Town       Mailing Address of Present Owner         OS ( col )       Lot #         Reason For Removal From Service       Will ZIP Code         Subdivision Name       Lot #         Well ZIP Code       City of Present Owner         State       ZIP Code         Well ZIP Code       City of Present Owner         State       ZIP Code         Well ZIP Code       City of Present Owner         State       ZIP Code         Well ZIP Code       City of Present Well         Present Vell       Original Construction Date (imm/dd/yyy)         Waiting Well       Original Construction Report is available.         Waited Difficie       Didrese attach.         Construction Type:       If a Well Construction Report is available.         Waited City City Simple       Didrese attach.         Other (specify):       Test Well Depth Frem Ground Surface (h) Casing Diamotur (h).         Present Well Depth Frem Ground Surface (h) Casing Diamotur (h).       Required Method of Pipe-Growty         Construction Type:       Required Method of Pipe-Growty       Conduct Pipe-Fremed S Coli         Constrot Pipe Growty       Conduct Pipe-Growty       C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 | Section Toy                       | voshin Range rig          | Original Wel              | I Owner                        | ,                                      | ·                 |                                    |
| Well Street Address       Image: Street Towner         Well City, Vilage or Town       Well ZIP Code         Subdivision Name       Lot #         Subdivision Name       Lot #         Subdivision Name       Lot #         A. Pump, Liner, Screen, Casing & Sealing Material         Pump and piping removed?       Yes In No Pin         Walt Street Towns Sergeo       Winking Address of Present Owner         Subdivision Name       Lot #         A. Well / Difference       No Pin         Water Weil       Original Construction Date (mm/dd/yyy)         Screen removed?       Yes In No Pin         Water Weil       If a well Construction Report is available.         Present Jone (Sandpoint)       Dug         If a well construction Report is available.       Did sealing material rise to surface?         Pressent Weil       Uraces attach.         Construction Type:       Uraces attach.         Outrour (Sandpoint)       Dug         If yes, was hole retopped?       Yes In No         It a well construction Report is available.       Did material sette athre 24 hours?         If a well construction Report is available.       Did sealing Material         Did sealing material rest to surface?       Yes In No         Construction Type:       Conducto                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | or Gov't Lot #                  |                                   |                           | ,                         |                                |                                        |                   |                                    |
| Gri3       STHISS         Well City, Village or Town       Well ZIP Code         OS ccol a       City of Present Owner         Subdivision Name       Lot #         Reason For Removal From Sergice       Will City, Village or Town         Subdivision Name       Lot #         Subdivision Name       Lot #         Reason For Removal From Sergice       Will Organiz Construction Date (minddlyyyy)         Bartonic Construction Report is available, provided Point Construction Route Science Removed?       Vess No Env No                                                                                                                                                                                                                                                                                                 | Well Street Address             |                                   |                           | Present Wel               | ll Owner                       |                                        |                   |                                    |
| Well City, Village or Town       Well ZIP Code         OS ( col )       City of Present Owner         State       ZIP Code         Basson For Removal From Sarvico       Will of Replacement Well         So ( Lo )       Converting a Sealing Material         Pump, Liner, Screen, Casing & Sealing Material         Pump and piping removed?       Yes    No ( In Kol )         Screen removal?       Yes    No ( In Kol )         Water Well       Original Construction Date (mmiddlyyyy)         Construction Type:       I' a Well Construction Report is available.         Didesailed       Driven (Sandpoint)       Dug         Onter (specify)       I' a Well Construction Report is available.       Did sealing material rise to surface?       Yes    No ( In Kol )         Construction Type:       Driven (Sandpoint)       Dug       I' metailateliatel after 24 hours?       Yes    No ( In Kol )         Construction Type:       Driven (Sandpoint)       Dug       I' free Grint Goord ( Prepared Removed?)       Yes    No ( In Kol )         Construction Type:       Driven (Sandpoint)       Dug       I' free Grint Goord ( Prepared Removed?)       Yes    No ( In Kol )         Construction Type:       Driven (Sandpoint)       Dug       I' free Grint Goord ( Prepared Removed?)       Yes    No ( In Kol )         Construction Type:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 613 57                          | HBS                               |                           | Mailing Add               |                                | at Owner                               |                   |                                    |
| Oscension       City of Present Owner       State       PiP Code         Subdivision Name       Lot #       City of Present Owner       State       PiP Code         Reason For Removal From Sorvice       Will Unique Weil # of Replacement Weil       Pump and piping removed?       Yes       No EN         Swell / Dillikole / Borbhole Information       Director       Yes       No EN       No EN         Water Weil       If a Weil Construction Date (mm/dd/yyyr)       Screen removed?       Yes       No EN         Construction Type:       If a Weil Construction Report is available, please attach.       Dug       Did material settle after 24 hours?       Yes       No EN         Construction Type:       Driven (Sandpoint)       Dug       If yes, was hole retopped?       Yes       No EN         Promation Type:       Driven (Sandpoint)       Bedrock       Required Method of Placing Sealing Material       Screen tery hydraed       Yes       No EN         Construction Type:       Construction Type:       Required Method of Placing Sealing Material       Screen Courcer Pipe-Gravity       Conductor Pipe-Gravity       Conductor Pipe-Prunped         Construction Type:       Construction Type:       Required Method of Placing Sealing Material       Screen Courcer Pipe-Stang Sealing Material         Construction Type: Ground Surface (ft)       Casing Depth (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Well City, Village or Town      |                                   | Well ZIP Code             |                           | ress of Prese                  | nt Owner                               |                   |                                    |
| Subdivision Name       Lot #.         Reason For Removal From Service       W1 Unique Well # of Replacement Well         Swell / Drillinole       Complete         Swell / Drillinole       Prignal Construction Date (mm/dd/yyy)         Screen removed?       Yes   No @ N         Waier Well       If a Well Construction Report is available.         Becohole D Dillinole       Drillinole         Outser Well       If a Well Construction Report is available.         Becohole J Dillinole       Driven (Sandpoint)         Dug       Didre (specify):         Promation Type:       Other (specify):         Construction Type:       Other (specify):         Promation Type:       Conductor Pipe-Gravity         Conductor Pipe-Gravity       Conductor Pipe-Fumped         Was well annular space grouted?       Yes No         Was well annular space grouted?       Yes No         Ves. No       No         Was well annular space grouted?       Yes         Yes. No what depth (reet)?       Pepth to Waier (reet)<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Osceul                          | a                                 |                           | City of Prese             | ent Owner                      | <u></u>                                | State             | ZIP Code                           |
| Reason For Ramoval From Sarage       Wi Unique Well # of Replacement Well       4. Pump, Liner, Screen, Casing & Sealing Material         Social       Complete       Pump and piping removed?       Yes       No       No       No         3. Well / Dritthele / Borchole Information       Driginal Construction Date (mm/dd/yyyr)       Screen removed?       Yes       No       No <t< td=""><td>Subdivision Name</td><td></td><td>Lot #</td><td>1</td><td></td><td></td><td></td><td></td></t<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Subdivision Name                |                                   | Lot #                     | 1                         |                                |                                        |                   |                                    |
| Reason for Kennoval From Scruce       W Onligde Weil for Reported Holder         So                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 | hall 1 (2)                        |                           | 4. Pump, l                | Liner, Scree                   | en, Casing & Seal                      | ing Mater         | ial                                |
| 3. Well / Drillhole / Borehole Information       Promotion and physicip removed?       Pros and physicip removed?         3. Well / Drillhole       Driginal Construction Date (mm/dd/yyyy)       Screen removed?       Press       No       No       No         Water Well       If a Well Construction Report is available.       Was casing plot if below surface?       Press       No       No<                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Reason For Removal From S       | Service wit Unique we             | # of Replacement well     | Bump an                   | d nining rame                  | wod?                                   |                   |                                    |
| 3. Trein' Drinktoli Polierion mutdoli         Gradinal Construction Date (mm/dd/yyyy)         Water Well       If a Well Construction Date (mm/dd/yyyy)         Backer Joint Date (mm/dd/yyy)         Backer Joint Date (mm/dd/yyyy)         Backer Joint Date (mm/dd/yyyy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2 Wall / Drill In / Barat       | vola Information                  |                           | Liner(s) r                | emoved?                        | Acc:                                   |                   |                                    |
| Monitoring Well       B-10-1       Casing Jeff in place?       Ves       No       No         Water Well       If a Well Construction Report is available.       please attach.       Ves       No       No       No       No         Construction Type:       Did sealing material rise to surface?       Ves       No       No       No       No         Other (specify):       Press       No       Monitoring Well       Wes       No       No       No       No         Other (specify):       Person       Bedrock       Required Method of Placing Sealing Material       Conductor Pipe-Pumped       No       No       No       No         Cover Drillhole Diameter (in.)       Casing Depth (ft.)       Sealing Material       Conductor Pipe-Pumped       Sealing Material       Other (Explain):       Sealing Material       Sealing Material       Other (Explain):       Sealing Material       Sealing Material       Other (Explain):       Sealing Material       Seal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 | Original Construct                | ion Date (mm/dd/vvvv)     | Screen re                 | emoved?                        |                                        |                   |                                    |
| Water Well       If a Well Construction Report is available.<br>please attach.       Was casing cut off below surface?       Ves       No       No         Construction Type:       Did sealing material rise to surface?       Ves       No       No       No       No         Construction Type:       If yes, was hole retopped?       If yes, was hole retopped?       Ves       No       No       No         Construction Type:       If yes, was hole retopped?       If yes, was hole retopped?       Ves       No       No         Formation Type:       If before Anona Safe source?       Ves       No       No       No         Conductor Specify):       If yes, was hole retopped?       If well mathematical searce?       Ves       No       No         Formation Type:       Bedrock       Conductor Pipe-Gravity       Conductor Pipe-Pumped       Stress Power       Stress Power       No       No       No         Lower Drillhole Diameter (in.)       Casing Depth (ft.)       Sand-Cement (Concrete) Grout       Bentonite Chips       Bentonite Chips       Bentonite Chips       Sand-Cement Grout       Bentonite Chips       Sand-Cement Grout       Bentonite Chips       Bentonite Chips       Bentonite Chips       Bentonite Chips       Bentonite Chips       Sand Stury ************************************                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Monitoring Well                 | 6-6.                              | -12-                      | Casing le                 | ft in place?                   |                                        |                   | es INo IN                          |
| Did sealing material rise to surface?       Ves       No       No <td< td=""><td>Water Well</td><td>If a Well Construc</td><td>tion Report is available,</td><td>Was casi</td><td>na cut off bel</td><td>ow surface?</td><td></td><td></td></td<>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Water Well                      | If a Well Construc                | tion Report is available, | Was casi                  | na cut off bel                 | ow surface?                            |                   |                                    |
| Construction Type:       Did material settle after 24 hours?       Yes       No       No       No         Construction Type:       Did material settle after 24 hours?       Yes       No       Sealing Materials       Sealin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Rorehole / Drilihole            | please attach.                    | ·                         | Did seatir                | ng material ris                | se to surface?                         |                   | ′es □ <sub>No</sub> □ <sub>N</sub> |
| Image: State of the state | Construction Type:              |                                   |                           | Did mater                 | rial settle afte               | r 24 hours?                            | ĹΥ                | es DNO DN                          |
| Other (specify):       If benchnite chips were used, were they hydrated with water from a known safe source?       No       Sadd-Cement Grout       Bentonite-Chips       Bentonite-Chips       Bentonite-Chips       Bentonite-Chips       Bentonite-Chips       Bentonite-Chips       Bentonite-Chips       Sadd-Cement Grout       Bentonite-Chips       Sadd-Cement Grout       Bentonite-Chips       Sadd-Cement Grout       Bentonite-Chips       Sadd-Cement Grout       Bentonite-Chips                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Driv Delline                    | ven (Sandpoint)                   | Dug                       | lf yes                    | , was hole re                  | topped?                                |                   | ′es 🗋 No 🛃                         |
| Formation Type:       Required Method of Placing Sealing Material         Outconsolidated Formation       Bedrock         Total Well Depth From Ground Surface (ft.)       Casing Diameter (in.)         Casing Depth (ft.)       Casing Depth (ft.)         Sealing Materials       Other (Explain):         Lower Drillhole Diameter (in.)       Casing Depth (ft.)         Was well annular space grouted?       Yes         Yes       No         Unknown       Concrete         For Monitoring Wells and Monitoring Well Boreholes Only:         If yes. to what depth (feel)?       Depth to Water (feet)         Seaferst Bentonite       Bentonite - Sand Sturry         5. Material Used To Fill Well / Drillhole       From (ft.)         To to fill Well / Drillhole       From (ft.)         Surface       2         6. Comments       Yes         7. Supervision of Work       Yes         Name of Person or Firm Doing Filling & Sealing       License #         Yes       Yes         Yes       Yes         Yes       Date of Filling & Sealing (mm/dd/yyyy)         Date of Filling & Sealing (mm/dd/yyyy)       Date Received         Noted By       Comments         7. Supervision of Work       Yes         S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Other (specify):                |                                   |                           | If bentonit<br>with water | te chips were<br>r from a know | used, were they hydi<br>n safe source? | rated             |                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Formation Type:                 |                                   |                           | Required Me               | ethod of Placin                | ng Sealing Material                    | £                 |                                    |
| Total Well Depth From Ground Surface (It.)       Casing Diameter (in.)       Generationate Apound (Bentonite Chips)         Sealing Materials       Sealing Materials         Lower Drillhole Diameter (in.)       Casing Depth (It.)         Was well annular space grouted?       Yes         Yes       No         Unknown       Sand-Cement (Concrete) Grout       Bentonite Chips         Granular space grouted?       Yes       No       Unknown         If yes, to what depth (feet)?       Depth to Water (feet)       Sand-Cement (Concrete)       Bentonite Chips         Sordiant depth (feet)?       Depth to Water (feet)       Sand-Cement Croups       Bentonite - Cement Grout         Sordiant depth (feet)?       Depth to Water (feet)       Sand-Cement Chips       Bentonite - Cement Grout         Sordiant depth (feet)?       Depth to Water (feet)       Stanuar Bentonite       Bentonite - Cement Grout         Sordiant depth (feet)?       Depth to Water (feet)       Stanuar Bentonite       Sand-Cement Grout         Sordiant depth (feet)?       Depth to Water (feet)       Sand-Cement Grout       Bentonite - Cement Grout         Sordiant depth (feet)?       Depth to Water (feet)       Sand-Cement Grout       Bentonite Chips         Sordiant depth (feet)?       Sand-Cement Grout       Sand-Cement Grout       Mix Ratio or <td>Unconsolidated Format</td> <td>ion 🔄 Bedr</td> <td>ock</td> <td>Condu</td> <td>ctor Pípe-Gra</td> <td>vity Conductor</td> <td>Pipe-Pump</td> <td>ed</td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Unconsolidated Format           | ion 🔄 Bedr                        | ock                       | Condu                     | ctor Pípe-Gra                  | vity Conductor                         | Pipe-Pump         | ed                                 |
| Sealing Materials       Clay-Sand Slurry (11 tb./gal. w         Lower Drillhole Diameter (in.)       Casing Depth (fl.)       Neat Cement Grout       Bentonite-Sand Slurry "         Was well annular space grouted?       Yes       No       Unknown       Concrete       Bentonite Chips         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout       Bentonite - Cement Grout         5. Material Used To Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, SackS Delant       Mix Ratio or Nu/W Weight.         6. Comments       Surface       2       2       Interview       DNR Use Only         Street or Route       Yes       Utense #       Date of Filling & Sealing (mm/dd/yyyy)       Date Received       Noted By         Gray       Gray       Yes       Yes       Date of Filling & Sealing (mm/dd/yyyy)       Date Received       Noted By         Street or Route       Yes       Yes       Yes       Comments       Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Total Well Depth From Group     | nd Surface (ft.) Casing           | Diameter (in.)            | (Bento                    | ned & Poured<br>nite Chips)    | U Other (Expl                          | ain):             |                                    |
| Lower Drillhole Diameter (in.)       Casing Depth (fl.)       Neat Cement Grout       Clay-Sand Slurry (11 tb./gal. w         Was well annular space grouted?       Yes       No       Unknown       Sand-Cement (Concrete) Grout       Bentonite-Sand Slurry "         Was well annular space grouted?       Yes       No       Unknown       Concrete       Bentonite Chips         If yes, to what depth (feet)?       Depth to Water (feet)       Bentonite Chips       Bentonite - Cement Grout         Granular Bentonite       Granular Bentonite       Bentonite - Cement Grout       Granular Bentonite         S. Material Used To Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, SackSachant         Mud Weight.       Surface       2       And Surry         S. Material Used To Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, SackSachant         Mud Weight.       Surface       2       And Surry         Supervision of Work       DNR Use Only       Mud Weight         Name of Person or Firm Doing Filling & Sealing       License #       Date of Filling & Sealing (mm/dd/yyyy)       Date Received       Noted By         Group Source       Y462       L-6-12       Comments       Comments         Street or Route       Telephone Number       Comments       Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7                               | <u></u>                           |                           | Sealing Mate              | erials                         |                                        |                   |                                    |
| Was well annular space grouted?       Yes       No       Unknown       Sand-Cement (Concrete) Grout       Bentonite-Sand Slurry "         Was well annular space grouted?       Yes       No       Unknown       Concrete       Bentonite Chips         If yes, to what depth (feet)?       Depth to Water (feet)       Depth to Water (feet)       Depth to Water (feet)       Depth to Water (feet)         5. Material Used To Fill Well / Drillhole       From (ft.)       To (ft.)       No, Yards, Sacks Delant Mix Ratio or or Volume (eincle one)       Mud Weight.         Surface       Surface       2       2       Depth Mud Weight.         6. Comments       Supervision of Work       DNR Use Only       DNR Use Only         Name of Person or Firm Doing Filling & Sealing       License #       Date of Filling & Sealing (mm/dd/yyyy)       Date Received       Noted By         Gramus Source       Y4462       Is-6-12       Comments       Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Lower Drillhole Diameter (in.   | ) Casing                          | Depth (ft.)               | Neat C                    | Cement Grout                   |                                        | Clay-Sand         | Slurry (11 lb./gal. w              |
| Was well annular space grouted?       Yes       No       Unknown       Concrete       Bentonite Chips         If yes, to what depth (feet)?       Depth to Water (feet)       Depth to Water (feet)       Depth to Water (feet)       Depth to Water (feet)         5. Material Used To Fill Well / Drillhole       From (ft.)       To (ft.)       No, Yards, Sacks Dellant       Mix Ratio or Mud Weight.         6. Comments       Surface       Surface       DNR Use Only         7. Supervision of Work       Date of Filling & Sealing (mm/dd/yyyy)       Date Received       Noted By         Gro. mad Source       1462       16-6-12       Comments         Street or Route       Telephone Number       Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <u> </u>                        |                                   |                           |                           | Cement (Cond                   | rete) Grout                            | Bentonite-        | Sand Slurry " "                    |
| If yes, to what depth (feet)?       Depth to Water (feet)       If were solverified only.         If yes, to what depth (feet)?       Depth to Water (feet)       If Bentonite Chips       Bentonite - Cement Grout         If yes, to what depth (feet)?       Depth to Water (feet)       If Bentonite Chips       Bentonite - Sand Shury         S. Material Used To Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Denlant or Volume (increase one)       Mix Ratio or or Volume (increase one)         Bentonite       Surface       Surface       2       2         6. Comments       Surface       DNR Use Only         Name of Person or Firm Doing Filling & Sealing       License #       Date of Filling & Sealing (mm/dd/yyyy)       Date Received       Noted By         Growned Source       Y4462       Isolated filling & Sealing       Comments       Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Was well annular space grou     | ited?                             | No Unknow                 | n Concre                  | ete<br>na Wolls and            | Monitoring Well Borg                   | Bentonite         | Chips                              |
| Granular Bentonite       Bentonite - Sand Shurry         5. Material Used To Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Sacks Palant or Volume (circle one)       Mix Ratio or Mud Weight.         Bentonite       Surface       2       2       Mud Weight.         6. Comments       Surface       2       2         7. Supervision of Work       DNR Use Only       DNR Use Only         Name of Person or Firm Doing Filling & Sealing       License #       Date of Filling & Sealing (mm/dd/yyyy)       Date Received       Noted By         Oroma Source       4462       10-6-12       Comments       Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | If yes, to what depth (feet)?   | Depth to Wa                       | ter (feet)                |                           | nite Chips                     | Bento                                  | nite - Ceme       | nt Grout                           |
| 5. Material Used To Fill Well / Drillhole       From (ft.)       To (ft.)       No. Yards, Satts Palant<br>or Volume (circle one)       Mix Ratio or<br>Mud Weight.         6. Comments       Surface       2       2         7. Supervision of Work       DNR Use Only         Name of Person or Firm Doing Filling & Sealing       License #       Date of Filling & Sealing (mm/dd/yyyy)       Date Received       Noted By         Ground Source       4462       I-6-12       Comments         Street or Route       Telephone Number       Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                 |                                   |                           | Granul                    | lar Bentonite                  | Bento                                  | nite - Sand       | Slurry                             |
| Surface     Surface     2       6. Comments     6. Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5. Material Used To Fill We     | ell / Drillhole                   |                           | From (ft.)                | To (ft.)                       | No, Yards, Sacks<br>or Volume (circ    | ealant<br>te one) | Mix Ratio or<br>Mud Weight         |
| 6. Comments       7. Supervision of Work     DNR Use Only       Name of Person or Firm Doing Filling & Sealing     License #     Date of Filling & Sealing (mm/dd/yyyy)       Oroma Source     4462     Le-6-12       Street or Route     Telephone Number     Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Bento                           | nite                              |                           | Surface                   | 2                              | 2                                      |                   |                                    |
| 6. Comments 7. Supervision of Work Name of Person or Firm Doing Filling & Sealing License # Date of Filling & Sealing (mm/dd/yyyy) Date Received Noted By Oround Source 4462 [e-6-12] Street or Route Telephone Number (420) 727-9660                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 | ·····                             |                           |                           | ļ                              |                                        |                   | -                                  |
| Documents     DNR Use Only       7. Supervision of Work     DNR Use Only       Name of Person or Firm Doing Filling & Sealing     License #       Oroma Source     4462       Street or Route     4462       Telephone Number     Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                 |                                   |                           |                           |                                |                                        |                   |                                    |
| 7. Supervision of Work     DNR Use Only       Name of Person or Firm Doing Filling & Sealing     License #     Date of Filling & Sealing (mm/dd/yyyy)     Date Received     Noted By       Oroma Source     4462     16-6-12     Comments       Street or Route     72, Man Carl Red     Telephone Number     Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | b. Comments                     |                                   |                           |                           |                                | UUUUUUU                                |                   |                                    |
| Name of Person or Firm Doing Filling & Sealing     License #     Date of Filling & Sealing (mm/dd/yyyy)     Date Received     Noted By       Oroma Source     4462     16-6-12     Image: Comments     Noted By       Street or Route     36.21     Mm Call     Red     Telephone Number     Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 7. Supervision of Work          |                                   | <u></u>                   |                           |                                |                                        | DNR Use           | Only                               |
| Ground Source 4462 6-6-12<br>Street or Route Comments<br>36.71 Montree Rd Gas 727-9600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Name of Person or Firm Doi      | ng Filling & Sealing Lic          | cense # Date of           | Filling & Sealin          | g (mm/dd/yw                    | y) Date Received                       | Noti              | ed By                              |
| Street or Route<br>21.71 Montpe Rd Telephone Number Comments<br>(90) 727-9600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Grow med Son                    | re                                | 4462 1.                   | -6-12                     | _ , , , , ,                    |                                        |                   |                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Street or Route                 | Monroe Rd                         |                           | Telephone Nur             | nber<br>7+96                   | Comments                               | <b>_</b>          |                                    |

ZIP Code

84115

State

NI

Signature of Person Doing Work

-

Date Signed

#### Well / Drillhole / Borehole Filling & Sealing Page 1 of

Form 3300-005 (R 4/08)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Retur form to the appropriate DNR office and bureau. See instructions on reverse for more information.

|                                                 |                                              | Route to:        |                    |                                       |                                | ······································ |                 |                                         |  |  |
|-------------------------------------------------|----------------------------------------------|------------------|--------------------|---------------------------------------|--------------------------------|----------------------------------------|-----------------|-----------------------------------------|--|--|
| Verification Only of Fil                        | l and Seal                                   | Drinking         | g Water            |                                       | Watershed/W                    | /astewater                             | Remed           | liation/Redevelopme                     |  |  |
|                                                 |                                              | Waste            | -<br>Managemei     | nt 🗍                                  | Other:                         |                                        |                 |                                         |  |  |
| 1 Well Location Information                     | •                                            |                  |                    | 2 Facility                            | / Owner in                     | formation                              |                 |                                         |  |  |
| County Willia                                   | ique Well # of                               | lingo #          |                    | Eacility Nam                          | le (/                          | · · ·                                  |                 |                                         |  |  |
| 2/1 Remo                                        | ved Well                                     |                  | 11                 | a dointy rain                         | "Hons.                         | m Electi                               | いと              |                                         |  |  |
| 10/K                                            |                                              | p~               | 7                  | Facility ID (F                        | ID or PWS)                     | <u></u>                                |                 | <u> </u>                                |  |  |
| Lattitude / Longitude (Degrees ar               | nd Minutes) Metho                            | d Code (see in   | structions)        |                                       |                                |                                        |                 |                                         |  |  |
| · · · · · · · · · · · · · · · · · · ·           | 'N [                                         |                  |                    | License/Per                           | mit/Monitorin                  | g #                                    |                 | ······································  |  |  |
| · · · · · · · · · · · · · · · · · · ·           | w                                            |                  |                    |                                       |                                | ·                                      |                 |                                         |  |  |
| Val Va Va                                       | Section Tov                                  | unship Rang      | je ne              | Original Wel                          | ll Owner                       |                                        |                 |                                         |  |  |
| or Gov't Lot #                                  | -                                            | N                | Hw                 |                                       |                                |                                        |                 |                                         |  |  |
| Well Street Address                             |                                              |                  |                    | Present We                            | ll Owner                       | •                                      |                 |                                         |  |  |
| 613 STA                                         | 135                                          |                  |                    | Mailing Add                           | roce of Proco                  | nl Ownor                               |                 |                                         |  |  |
| Well City, Village or Town                      | ······································       | Well ZIP C       | ode                | -Iwanng Auu<br>I                      | iess of Fiese                  | III OWIIEI                             |                 |                                         |  |  |
| Osceola                                         | <u>~</u>                                     |                  |                    | City of Pres                          | ent Owner                      |                                        | State           | ZIP Code                                |  |  |
| Subdivision Name                                |                                              | Lot #            |                    |                                       |                                |                                        |                 |                                         |  |  |
| ······································          |                                              |                  |                    | 4. Pump. I                            | Liner, Scree                   | en. Casing & Sea                       | aling Mate      | rial                                    |  |  |
| Reason For Removal From Serv                    | ce WI Unique We                              | II # 01 Replace  | ment Well          |                                       |                                | 12                                     |                 |                                         |  |  |
| Samples complex                                 | <u>e                                    </u> | ······           |                    | Pump and                              | o piping remo                  | oved ?                                 |                 |                                         |  |  |
| 3. Well / Drillhole / Borehole                  | Information                                  | an Daha (mar)    | al el francis al a | Liner(s) r                            | emovea?                        |                                        |                 |                                         |  |  |
| Monitoring Well                                 | onitoring Well                               |                  |                    |                                       |                                |                                        |                 |                                         |  |  |
| Water Well                                      | If a Wall Construe                           | fion Poport in r |                    | Was casing out off below surface?     |                                |                                        |                 |                                         |  |  |
| Rorehole / Drillhole                            | please attach.                               | non riepon is a  | avanauic,          | Did sealing material rise to surface? |                                |                                        |                 |                                         |  |  |
| Construction Type:                              | d                                            |                  |                    | Did moto                              | ig material he                 | se to surface?                         |                 |                                         |  |  |
|                                                 | Sandpoint)                                   |                  |                    | Lid mater                             | nai settle arte<br>was hole re | r 24 nours ?<br>lopped?                |                 |                                         |  |  |
| Other (specify):                                |                                              |                  |                    | If bentonit                           | te chips were                  | used, were they hyd                    | drated 🔽        |                                         |  |  |
|                                                 |                                              |                  |                    | With water                            | r from a know                  | n sate source?                         |                 | Yes LINO LIN                            |  |  |
|                                                 |                                              |                  |                    |                                       | ntor Pine-Gra                  |                                        | r Pine-Pum      | ned                                     |  |  |
| Table Well Death Formation                      |                                              | OCK              |                    |                                       | ned & Poured                   |                                        | alain):         |                                         |  |  |
| Total well Depth From Ground S                  | uriace (it.) Casing                          | Diameter (In.)   |                    | (Bento                                | nite Chips)                    |                                        | лапт). <u> </u> |                                         |  |  |
| Lower Drillhole Diameter (in )                  | Casing                                       | Depth (ft.)      |                    |                                       | eriais                         | Г                                      | Clay, San       | d Slurry (11 th /apl )                  |  |  |
|                                                 | · ·                                          |                  |                    | Sand-0                                | Cement (Cond                   | rete) Grout                            | Bentonite       | • Soury (Thougan v<br>• Sand Sturry " " |  |  |
| · · · · · · · · · · · · · · · · · · ·           |                                              |                  | 1                  |                                       | ete                            |                                        | Bentonite       | e Chips                                 |  |  |
| Was well annular space grouted'                 | Yes                                          |                  | Unknown            | For Monitori                          | ng Wells and                   | Monitoring Well Bor                    | reholes Onl     | y:                                      |  |  |
| If yes, to what depth (feet)?                   | Depth to Wa                                  | ter (feet)       |                    | Bentor                                | nite Chips                     | 🗌 Benti                                | onite - Cem     | ent Grout                               |  |  |
|                                                 |                                              |                  |                    | Granu                                 | lar Bentonite                  | Benti                                  | onite - Sano    | d Slurry                                |  |  |
| 5. Material Used To Fill Well /                 | Drillhole                                    |                  |                    | From (ft.)                            | To (ft.)                       | No. Yards, Sack                        | (S Scalant      | Mix Ratio or<br>Mud Weight              |  |  |
| Bentoni                                         | te_                                          |                  |                    | Surface                               | 6                              | 2                                      |                 |                                         |  |  |
|                                                 |                                              |                  |                    | 1                                     |                                |                                        |                 | ·                                       |  |  |
| * <u>, , , , , , , , , , , , , , , , , , , </u> |                                              | <u> </u>         |                    |                                       |                                |                                        |                 |                                         |  |  |
| 6. Comments                                     |                                              |                  |                    |                                       | 4 <u></u>                      | • ••••                                 | <u> </u>        | - <u>k</u>                              |  |  |
|                                                 | <u>, , , , , , , , , , , , , , , , , </u>    |                  |                    |                                       |                                |                                        |                 |                                         |  |  |
| <u></u>                                         |                                              |                  |                    | <del>_</del>                          |                                |                                        |                 |                                         |  |  |
| 7. Supervision of Work                          |                                              |                  | -y                 |                                       |                                |                                        | DNR Use         | Only                                    |  |  |
| Name of Person or Firm Doing F                  | illing & Sealing Lic                         | cense #          | Date of Fi         | lling & Sealin                        | g (mm/dd/yy)                   | y) Date Received                       | No              | ted By                                  |  |  |
| Uround Dour                                     | e                                            | 4462             | 1 4-               | -6-12                                 |                                | Commonia                               |                 |                                         |  |  |
| Sireer or Koule                                 | Mras Rd                                      | <b>\</b>         |                    | Heprione Nur                          | noer<br>7 <i>⊢96</i> -         |                                        |                 |                                         |  |  |
| <u>City</u> 26 61 700                           | State                                        | 7IP Code         | (                  | Signature of                          | Person Doin                    | r L                                    | <u>Па</u>       | de Signed                               |  |  |
| Re Kere                                         | E                                            | 2 8              | 1115               |                                       | > PC                           |                                        |                 |                                         |  |  |
| · · · ·                                         |                                              |                  |                    |                                       |                                |                                        |                 |                                         |  |  |

# Well / Drillhole / Borehole Filling & Sealing Form 3300-005 (R 4/08) Page 1 or Page 1 of

Date Signed

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|                                                    | Route to:                              |                                                  |                 |                   | [ <sup></sup> ]                    |                            |  |
|----------------------------------------------------|----------------------------------------|--------------------------------------------------|-----------------|-------------------|------------------------------------|----------------------------|--|
| Verification Only of Fill and Seal                 | Drinking Water                         | . []                                             | Watershed/W     | /aslewater        | Remedi                             | ation/Redevelopmer         |  |
|                                                    | Waste Managemei                        |                                                  | Other:          |                   |                                    |                            |  |
| 1. Well Location Information                       |                                        | 2. Facility                                      | / Owner In      | formation         |                                    |                            |  |
| County WI Unique Well # of Removed Well            | B-5                                    |                                                  | Hans-           | m Elect           | lic                                |                            |  |
| Lattitude / Longitude (Degrees and Minutes) Method | Code (see instructions)                | -Facility ID (F                                  | ID or PWS)      |                   |                                    |                            |  |
| •N                                                 |                                        | License/Peri                                     | mit/Monitorin   | n #               | , ·=_                              |                            |  |
| • · 'W                                             |                                        | cicensen en                                      |                 | g <i>''</i>       |                                    |                            |  |
| V4/V4 V4 Section Tow                               | nship Range E                          | Original Wel                                     | l Owner         |                   |                                    |                            |  |
| or Gov't Lot #                                     | N Ow                                   | Present Wel                                      | 1 Owner         | •                 |                                    |                            |  |
| Well Street Address                                |                                        |                                                  |                 |                   |                                    |                            |  |
|                                                    | Well ZIP Code                          | Mailing Addr                                     | ress of Prese   | nt Owner          |                                    |                            |  |
| Osceula                                            |                                        | City of Droom                                    | ant Owner       |                   | State                              | ZIR Codo                   |  |
| Subdivision Name                                   | Lot #                                  | -City of Prese                                   | ent Owner       |                   | State                              | ZIP Code                   |  |
| Reason For Removal From Service Mil Unique Wel     | # of Replacement Well                  | 4. Pump, I                                       | Liner, Scree    | en, Casing & S    | ealing Mater                       | rial                       |  |
| Samplan Complete                                   |                                        | Pump and                                         | d piping remo   | oved?             |                                    |                            |  |
| 3. Well / Drillhole / Borehole Information         | ······                                 | Liner(s) re                                      | emoved?         |                   |                                    | Yes No 🛃 N                 |  |
| Original Constructi                                | on Date (mm/dd/yyyy)                   | Screen re                                        | emoved?         |                   |                                    | Yes No 🙀                   |  |
| Water Well                                         |                                        | Casing le                                        | ft in place?    |                   |                                    |                            |  |
| If a Well Construct                                | ion Report is available,               | Was casii                                        | ng cut off bel  | ow surface?       |                                    | Yes LINo 🖉 N.              |  |
| Construction Type:                                 |                                        | Did sealir                                       | ng material ris | se to surface?    |                                    | Yes LINo LIN.              |  |
| Driven (Sandroint)                                 |                                        | Did material settle after 24 hours?              |                 |                   |                                    |                            |  |
|                                                    |                                        | If bentonite chips were used, were they hydrated |                 |                   |                                    |                            |  |
|                                                    | ······································ | with water                                       | r from a know   | n safe source?    |                                    | Yes LINO LIN.              |  |
| Formation Type:                                    |                                        |                                                  | ctor Ring-Gra   |                   | dor Dine. Pumn                     | ad                         |  |
| And            | ock                                    |                                                  | red & Poured    |                   | ator rape-ramp<br>Syntain):        |                            |  |
|                                                    | Diameter (In.)                         | (Bento                                           | nite Chips)     |                   |                                    |                            |  |
| Lower Drillhole Diameter (in.) Casing              | Depth (ft.)                            | Neat C                                           | Cement Grout    |                   | Clay-Sand                          | d Slurry (11 lb./gal. w    |  |
| 6                                                  |                                        | Sand-C                                           | Cement (Cond    | crete) Grout      | Bentonite-                         | -Sand Slurry " "           |  |
| Was well annular space grouted?                    |                                        |                                                  | ete             |                   | Bentonite                          | Chips                      |  |
| If yes, to what depth (feet)? Depth to Wat         | er (feet)                              | For Monitorii                                    | ng Wells and    | Monitoring Well E | Boreholes Only                     |                            |  |
|                                                    |                                        | Granul                                           | ar Bentonite    |                   | entonite - Ceme<br>entonite - Sand | Slurry                     |  |
| 5. Material Used To Fill Well / Drillhole          | ······                                 | From (ft.)                                       | To (ft.)        | No. Yards, Sa     | Ks Scalant                         | Mix Ratio or<br>Mud Weight |  |
| Bentonite                                          |                                        | Surface                                          | 8.5             | 3                 |                                    | indu Height                |  |
|                                                    |                                        |                                                  |                 |                   |                                    |                            |  |
|                                                    |                                        | <u> </u>                                         |                 |                   |                                    |                            |  |
| 6. Comments                                        |                                        |                                                  |                 | . <u> </u>        |                                    |                            |  |
|                                                    |                                        |                                                  |                 |                   |                                    |                            |  |
| 7. Supervision of Work                             |                                        |                                                  |                 |                   | DNR Use                            | Only                       |  |
| Name of Person or Firm Doing Filling & Sealing Lic | ense # Date of Fi                      | iling & Soulin                                   | a (mmlddhyg     | (v) Date Receive  | od blot                            | ad By                      |  |

| Street or Route<br>3671 Monro | red   |                    | Telephone Number<br>(400) 337-9600 | Comments |
|-------------------------------|-------|--------------------|------------------------------------|----------|
| City Re Pere                  | State | ZIP Code<br>84(1 S | Signature of Person Doing          | Work     |

#### Well / Drillhole / Borehole Filling & Sealing Page 1 of

Form 3300-005 (R 4/08)

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|                                      |                                        | Route to:         |                                        |                         |                |                                                                                                                  |                |                            |
|--------------------------------------|----------------------------------------|-------------------|----------------------------------------|-------------------------|----------------|------------------------------------------------------------------------------------------------------------------|----------------|----------------------------|
| Verification Only of Fill ar         | nd Seal                                | Drinkin           | g Water                                |                         | Watershed/W    | astewater                                                                                                        | Reme           | diation/Redevelopmer       |
|                                      |                                        | Waste             | Managemen                              | it 🗌                    | Other:         |                                                                                                                  |                |                            |
| 1 Well Location Information          |                                        |                   |                                        | 2. Facility             | / Owner Inf    | ormation                                                                                                         |                |                            |
| County WI Unique                     | Well # of                              | licae #.          |                                        | Facility Nam            | e ,/           | -1                                                                                                               | 1.             |                            |
| P (IA Removed                        | Well                                   | 2                 | 1                                      | ,                       | Hons           | m Elect                                                                                                          | ic             |                            |
| <u> </u>                             |                                        | <u>p</u> ~        | 6                                      | Facility ID (F          | ID or PWS)     |                                                                                                                  |                |                            |
| Lattitude / Longitude (Degrees and N | /inutes) Method                        | l Code (see ir    | nstructions)                           |                         |                |                                                                                                                  |                |                            |
|                                      | 'N                                     |                   |                                        | License/Perr            | nit/Monitoring | <b>;</b> #                                                                                                       |                |                            |
| ·                                    | 'W                                     |                   | <u> </u>                               |                         |                |                                                                                                                  |                |                            |
| 1/4/1/4 1/4 S                        | Section Tow                            | nship Rang        | ge FIE                                 | Original Well           | Owner          |                                                                                                                  |                |                            |
| or Gov't Lot #                       |                                        | N                 |                                        |                         | ~              | -                                                                                                                |                |                            |
| Well Street Address                  |                                        | <u> </u>          |                                        | Present Well            | Owner          |                                                                                                                  |                |                            |
| 613 STH-                             | 35                                     |                   |                                        | Mailing Addr            | oss of Prosor  | of Owner                                                                                                         |                |                            |
| Well City, Village or Town           |                                        | Well ZIP C        | Code                                   | walling Auto            | ess of rieser  | it Owner                                                                                                         |                |                            |
| Osceola                              |                                        |                   |                                        | City of Prese           | ent Owner      | ·····                                                                                                            | State          | ZIP Code                   |
| Subdivision Name                     |                                        | Lot #             |                                        |                         |                |                                                                                                                  |                |                            |
| -                                    | 1                                      |                   |                                        | 4. Pump, L              | iner, Scree    | n. Casing & S                                                                                                    | ealing Mat     | erial                      |
| Reason For Removal From Service      | WI Unique Well                         | I # of Replace    | ment Well                              |                         |                |                                                                                                                  |                |                            |
| Sampling complete                    |                                        |                   |                                        | Pump and                | i piping remo  | ved?                                                                                                             |                |                            |
| 3. Well / Drillhole / Borehole In    | formation                              |                   | (                                      |                         | noveu r        |                                                                                                                  |                |                            |
| Monitoring Well                      |                                        |                   | -                                      | Casing lot              | tin place?     |                                                                                                                  | Ē              |                            |
| Water Well                           |                                        | ian Departie      | ousilabla                              |                         |                |                                                                                                                  |                |                            |
| Rorehole / Drillhole                 | ease attach.                           | ion Report is     | available,                             | Vvas casir              | ng cut on beic | a ta surface?                                                                                                    |                |                            |
| Construction Type:                   |                                        |                   |                                        | Did motor               | g materiar ns  |                                                                                                                  | ř              |                            |
| Driven (Sa                           | ndpoint)                               | Dug               |                                        | lf ves.                 | was hole ret   | opped?                                                                                                           |                |                            |
|                                      | , ,                                    | v                 |                                        | If bentonit             | e chips were i | used, were they                                                                                                  | hydrated       |                            |
|                                      |                                        |                   | ······································ | Required Me             | thod of Placin | n sate source?                                                                                                   | ial 🚽          |                            |
| Formation Type:                      |                                        | 1-                |                                        |                         | ctor Pipe-Grav | vity Conduc                                                                                                      | tor Pipe-Pur   | nped                       |
| Taket Mall Death From Crowned Surf   |                                        | Diamatar (in 1    | ۱                                      | Screen                  | ed & Poured    | Other (E                                                                                                         | Explain):      |                            |
|                                      | ace (it.) Casing                       |                   | 1                                      | (Bentor<br>Sealing Mate | nite Unips)    |                                                                                                                  |                |                            |
| Lower Drillhole Diameter (in )       | Casing                                 | Depth (ft.)       |                                        | Neat C                  | ement Grout    |                                                                                                                  | Clav-Sa        | ind Slurry (11 lb./dal. v  |
| · · · ·                              | • .                                    |                   |                                        | Sand-(                  | Cement (Conc   | rete) Grout                                                                                                      | Bentoni        | te-Sand Slurry "           |
|                                      |                                        |                   | ٦                                      | Concre                  | te             |                                                                                                                  | Bentoni        | le Chips                   |
| Was well annular space grouted?      | L] Yes                                 |                   | J Unknown                              | For Monitorir           | ng Wells and I | Monitoring Well E                                                                                                | Boreholes Or   | 1ly:                       |
| If yes, to what depth (feet)?        | Depth to Wat                           | er (feet)         |                                        | Bentor                  | ite Chips      | ∐ B€                                                                                                             | entonite - Cei | ment Grout                 |
|                                      |                                        |                   |                                        | Granul                  | ar Bentonite   |                                                                                                                  | entonite - Sar | nd Slurry                  |
| 5. Material Used To Fill Well / Dri  | llhole                                 |                   |                                        | From (ft.)              | To (ft.)       | or Volume                                                                                                        | cks Scalant    | Mix Ratio or<br>Mud Weight |
| Bentonite                            | 2                                      |                   |                                        | Surface                 | 9              | 3                                                                                                                |                |                            |
|                                      |                                        |                   |                                        |                         |                |                                                                                                                  |                |                            |
|                                      | ······································ |                   | · · ·                                  |                         |                |                                                                                                                  |                |                            |
| 6. Comments                          |                                        |                   |                                        |                         |                |                                                                                                                  |                |                            |
|                                      |                                        |                   |                                        |                         |                |                                                                                                                  |                |                            |
|                                      |                                        | - 11 -            |                                        |                         |                |                                                                                                                  |                | ~ '                        |
| 7. Supervision of Work               |                                        |                   | 6                                      |                         | n fanne fal 12 |                                                                                                                  |                | e Only                     |
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# APPENDIX D/ OTHER DOCUMENTATION

**APPENDIX E/ QUALIFICATIONS OF METCO PERSONNEL** 

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#### Ronald J. Anderson, P.G.

**Professional Titles** 

- Senior Hydrogeologist
- Project Manager

## Credentials

- Licensed Professional Geologist in Wisconsin
- Licensed Professional Geologist in Minnesota
- Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Hydrogeologist
- Certified by State of Wisconsin/DCOMM to conduct PECFA-funded LUST projects
- Certified tank closure site assessor (#41861) in Wisconsin
- Member of the Wisconsin Groundwater Association
- Member of the Minnesota Groundwater Association
- Member of the Federation of Environmental Technologist, Inc.
- Member of the Wisconsin Fabricare Institute

#### Education

Includes a BA in Earth Science from the University of Minnesota-Duluth. Applicable courses successfully completed include Hydrogeology, Applied Hydrogeology, Environmental Geology, Geological Field Methods, Geology Field Camp, Geomorphology, Structural Geology, Stratigraphy/Tectonics, Mineralogy/Petrology, Glacial/Quaternary Geology, Geology of North America, Oceanography, General Chemistry, Organic Chemistry, Environmental Conservation

#### Post-Graduate Education

Includes Personnel Protection and Safety, Conducting Comprehensive Environmental Property Assessments, Groundwater Flow and Well Hydraulics, Effective Techniques for Contaminated Groundwater Treatment, and numerous other continuing education classes and conferences.

#### Work Experience

Includes nine months with the Wisconsin Department of Natural Resources Leaking Underground Storage Tank Program regulating LUST sites and since June 1990, with METCO as a Hydrogeologist and Project Manager. Duties have included: managing, conducting, and reporting tank closure assessments; property assessment, LUST investigations; spill investigations; agricultural chemical investigations, dry cleaning chemical investigations, general geotechnical/environmental investigations; Geoprobe projects (soil, groundwater, soil gas sampling); drilling projects (soil boring and monitoring wells); and remedial projects. Since 1989, METCO has sampled/consulted over 700 environmental sites.

Jason T. Powell

**Professional Title** 

- Staff Scientist

### Credentials

 Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Scientist.

# Education

Includes a BS in Groundwater Management from the University of Wisconsin- Stevens Point. Applicable courses successfully completed include Hydrogeology, Applied Hydrogeology, Environmental Geology, Hydrogeology-Groundwater Flow Modeling, Groundwater Management, Structural Geology, Mineralogy, Glacial Geology, Soils, Soil Physics, Hydrology, Geochemistry, Water Chemistry, Organic Chemistry, General Chemistry, Environmental Issues.

# **Post-Graduate Education**

40-hour OSHA Hazardous Materials Safety Training course with 8-hour refresher course.

# Work Experience

With METCO since May 1992 as a Geoprobe Assistant and Geoprobe Operator. In June 1995 to July 1996 as an Environmental Technician. In July 1996 as a Staff Scientist. Duties have included: LUST investigations; general geotechnical/environmental investigations; Geoprobe projects (soil, groundwater sampling); drilling projects (soil boring and monitoring wells); and remedial projects (sampling, pilot tests, system operation/maintenance).

Eric J. Dahl

# **Professional Title**

- Hydrogeologist

# Credentials

- Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Hydrogeologist.
- Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#823519).
- Member of the Geological Society of America

### Education

Includes B.S. in Geology from the University of Wisconsin-Eau Claire. Applicable courses successfully completed include Environmental Geology, Physical Hydrogeology, Chemical Hydrogeology, Computer Modeling in Hydrogeology, Aqueous Geochemistry, Field Geology I and II, Mineralogy and Petrology I and II, Sedimentology and Stratigraphy, Petroleum and Economic Geology, Earth Resources, Earth History, and Structural Geology.

# Post-Graduate Education

40-hour OSHA Hazardous Materials Safety Training course with 8-hour refresher course.

# Work Experience

With METCO since November 1999 as a Hydrogeologist. Duties have included: soil and groundwater sampling, geoprobe operation, operation and maintenance of remedial systems, geoprobe projects (oversight, direction, and sampling), drilling projects/monitoring well installation (oversight, direction, and sampling), soil excavation projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting.

#### Thomas P. Pignet, P.E.

**Professional Titles** 

- Chemical Engineer
- Industrial Engineer

#### Credentials

Licensed Professional Engineer in Wisconsin

#### Education

Undergraduate: B.S. in Chemical Engineering from the University of Wisconsin. Applicable courses include the standard chemistry curriculum - basic, physical, organic, etc. - plus engineering transport phenomena, chemical unit operations (e.g. separations), fluid mechanics, etc.

#### **Post-Graduate Education**

Ph.D. in Chemical Engineering from the University of Minnesota - with applicable special training in absorption & catalysis; M.S. in Industrial Engineering from the University of Wisconsin - Milwaukee - with special emphasis on statistical techniques and data analysis. Applicable further training: continuing education, semester-length courses in [1] Understanding Environmental & Safety Regulation; [2] Hazardous & Toxic Waste Management; plus a number of 1-2 day workshops - Fire & Explosion Safety; Small Quantity Generations of Hazardous Waste.

#### Work Experience

Includes ten years as a research chemical engineer with a large chemical manufacturer; one year as process development engineer and demonstration-scale test analyst on a unique coal gasification project; ten years in association with UW-M, teaching and consulting to industry on energy efficiency, waste minimization and productivity improvement. One year working with a small engineering consulting firm on energy, environmental, and process improvement projects, including LUST Investigations and Remediations. With METCO since February 2000. Duties include Remedial Action Plan preparation, pilot test design and performance, remedial systems design and implementation, and general management of METCO's remedial projects.

Fuel System Installation Sales, Service, Supplies 
 General Contracting 
 Environmental Consulting
Site Investigation Report - METCO Hanson Electric

#### Brandon A. Walker

#### **Professional Title**

- Staff Scientist

#### Education

Includes B.S. in Geography and a minor in Environmental Studies from the University of Wisconsin- La Crosse. Applicable courses successfully completed include Water Resources, Ecology, Climate Systems, Earth Science, Zoology, Fundamentals of Cartography, Interpretation of Aerial Photography, Global Issues, Urban Geography, Environmental Sociology, and Environmental Studies.

#### Work Experience

With METCO since April 2007 as a Staff Scientist. Duties have included: soil and groundwater sampling, operation and maintenance of remedial systems, geoprobe projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting.

Site Investigation Report - METCO Hanson Electric Matt Michalski

#### **Professional Title**

Staff Scientist

#### Credentials

Registered through the Wisconsin Department of Safety and Professional Services as a PECFA consultant (#1228116).

#### Education

Includes B.S. In Geography from University of Wisconsin – La Crosse: Applicable courses successfully completed include Geographic Field Methods, Water Resources, Environmental Hazards and Land Use, and Advanced Map Design.

#### Work Experience

With METCO since August 2012 as Staff Scientist. Duties include: soil and groundwater sampling, operation and maintenance of remedial systems, geoprobe projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting. Site Investigation Report - METCO Hanson Electric

# **APPENDIX F/ STANDARD OF CARE**

#### Site Investigation Report - METCO Hanson Electric

# STANDARD OF CARE

The analysis and conclusions expressed in this report are based upon data obtained from the indicated subsurface locations and from other sources discussed in this report. Actual subsurface conditions may vary and may not become evident without further assessment.

All work conducted by METCO is in accordance with currently accepted hydrogeologic and engineering practices and they neither imply nor intend warranty.

We appreciate the opportunity to be of service to you. If you have any questions or require additional information, please do not hesitate to contact us.

"I Jason T. Powell, hereby certify that I am a scientist as that term is defined in s.NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

Tour T. Powell

Jason T. Powell Staff Scientist

10/15/12

Date

"I Ronald J. Anderson, hereby certify that I am a hydrogeologist as that term is defined in s.NR 712.03 (1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

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Ronald J. Anderson PG Senior Hydrogeologist/Project Manager

10/15/12

Environmental Consulting, Fuel System Design, Installation and Service

# **GIS Registry Package**

# **Hansons Electric**

BRRTS # 03-49-234619 PECFA # 54020-4045-13-A

October 15, 2012



Excellence through experience™

Environmental Consulting, Fuel System Design, Installation and Service

| http://dnr.wi.gov                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ural Resources                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | GIS Registry (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Checklist                                                                                                                                                                                                                                                                                                                       |                                                                                                                                   |
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| <ul> <li>Certified Su<br/>where the leg<br/>platted prop</li> <li>Figure #:</li> <li>Signed State<br/>description a</li> <li>MAPS (meeting</li> <li>Maps must be not</li> <li>I. Location Ma<br/>in sufficient of<br/>wells within</li> <li>Note: Due to<br/>must be ident</li> <li>Figure #:</li> <li>Detailed Site<br/>utility lines, n<br/>contaminate<br/>boundaries of<br/>boundaries of<br/>(SSRCL) as det</li> </ul>                                                       | rvey Map: A copy of the certi<br>al description in the most recen-<br>erty (e.g. lot 2 of xyz subdivision<br><b>Title:</b><br>ement: A statement signed by<br>cocurately describes the correc-<br>to the visual aid requirement<br>to larger than 11 x 17 inches un<br>ep: A map outlining all proper<br>detail to permit easy location of<br>1200 feet of the site.<br>security reasons municipal wel-<br>tified on Case Closure Request in<br><b>Title: Site Loca</b><br><b>e Map:</b> A map that shows all re-<br>nonitoring wells and potable of<br>d public streets, and highway<br>of groundwater contamination<br>etermined under s. NR 720.09,                                                                                                                                                       | fied survey map or the release<br>of deed refers to a certified survey<br>by the Responsible Party (Ri<br>et contaminated property.<br>Its of s. NR 716.15(2)(h))<br>alless the map is submitted<br>tries within the contaminate<br>of all parcels. If groundwat<br>the are not identified on GIS I<br>maps.<br>tion Map<br>elevant features (buildings<br>wells) within the contaminate<br>and railroad rights-of-way<br>to exceeding a ch. NR 140 E<br>and a Residual Contaminant<br>720.11 and 720.19.                                                                                                                     | vant section of the recorded p<br>rivey map or a recorded plat ma<br>?), which states that he or she b<br>electronically.<br>ed site boundaries on a U.S.G.S<br>er standards are exceeded, incl<br>Packet maps. However, the locat<br>, roads, individual property bo<br>ated area. This map is to show<br>in relation to the source prope<br>oforcement Standard (ES), and,<br>Level (RCL) or a Site Specific Re                                                                                  | lat map for those prope<br>p. (lots on subdivided<br>believes that the attack<br>5. topographic map or<br>lude the location of all<br>tions of these municipal<br>the location of all<br>erty and in relation to the<br>esidual Contaminant L                                                                                   | erties<br>or<br>hed legal<br>plat map<br>potable<br>I wells<br>t sources,<br>the<br>evels                                         |
| <ul> <li>Certified Su<br/>where the leg<br/>platted prop</li> <li>Figure #:</li> <li>Signed State<br/>description a</li> <li>MAPS (meeting</li> <li>Maps must be need<br/>in sufficient of<br/>wells within</li> <li>Note: Due to<br/>must be ident</li> <li>Figure #:</li> <li>Detailed Site<br/>utility lines, n<br/>contaminate<br/>boundaries of<br/>boundaries of<br/>(SSRCL) as det</li> </ul>                                                                              | rvey Map: A copy of the certi<br>al description in the most recen-<br>erty (e.g. lot 2 of xyz subdivision<br><b>Title:</b><br>ement: A statement signed by<br>cocurately describes the correct<br>the visual aid requirement<br>of larger than 11 x 17 inches ur<br>p: A map outlining all proper<br>detail to permit easy location of<br>1200 feet of the site.<br>security reasons municipal weit<br>ified on Case Closure Request in<br><b>Title: Site Loca</b><br>e Map: A map that shows all re-<br>nonitoring wells and potable of<br>d public streets, and highway<br>of groundwater contamination<br>etermined under s. NR 720.09,<br><b>Title: Site Layo</b>                                                                                                                                        | fied survey map or the release<br>of deed refers to a certified support<br>on)).<br>y the Responsible Party (Ri<br>to contaminated property.<br>ts of s. NR 716.15(2)(h))<br>mess the map is submitted<br>rties within the contaminate<br>of all parcels. If groundwat<br><i>lls are not identified on GIS I</i><br><i>maps.</i><br><b>tion Map</b><br>elevant features (buildings<br>wells) within the contamina<br>and railroad rights-of-way<br>on exceeding a ch. NR 140 E<br>og a Residual Contaminant<br>720.11 and 720.19.                                                                                             | vant section of the recorded p<br>rivey map or a recorded plat ma<br>"), which states that he or she b<br>electronically.<br>ed site boundaries on a U.S.G.S<br>er standards are exceeded, incl<br>Packet maps. However, the locat<br>ated area. This map is to show<br>in relation to the source prope<br>oforcement Standard (ES), and,<br>Level (RCL) or a Site Specific Re                                                                                                                     | lat map for those prope<br>p. (lots on subdivided<br>believes that the attack<br>5. topographic map or<br>lude the location of all<br>tions of these municipal<br>the location of all<br>erty and in relation to the<br>esidual Contaminant L                                                                                   | erties<br>or<br>hed legal<br>plat map<br>potable<br><i>I wells</i><br>t sources,<br>the<br>evels                                  |
| <ul> <li>Certified Su<br/>where the leg<br/>platted prop</li> <li>Figure #:</li> <li>Signed State<br/>description a</li> <li>MAPS (meeting)</li> <li>Maps must be not</li> <li>Location Ma<br/>in sufficient of<br/>wells within<br/>Note: Due to<br/>must be ident</li> <li>Figure #:</li> <li>Detailed Site<br/>utility lines, n<br/>contaminate<br/>boundaries of<br/>(SSRCL) as defined<br/>Figure #:</li> <li>Soil Contaminate<br/>exceeds a Re<br/>720.09, 720.1</li> </ul> | rvey Map: A copy of the certi<br>al description in the most recen-<br>erty (e.g. lot 2 of xyz subdivision<br><b>Title:</b><br>ement: A statement signed by<br>cocurately describes the correc-<br>or the visual aid requirement<br>of larger than 11 x 17 inches ur<br>ap: A map outlining all proper<br>detail to permit easy location of<br>1200 feet of the site.<br>security reasons municipal wel-<br>tified on Case Closure Request in<br><b>Title: Site Loca</b><br><b>e Map:</b> A map that shows all in<br>nonitoring wells and potable of<br>d public streets, and highway<br>of groundwater contamination<br>etermined under s. NR 720.09,<br><b>Title: Site Layo</b><br><b>ination Contour Map:</b> For sit<br>d soil and a single contour sho<br>sidual Contaminant Level (RCi<br>1 and 720.19. | fied survey map or the release<br>of deed refers to a certified succession)).<br>y the Responsible Party (Rist<br>et contaminated property.<br>ts of s. NR 716.15(2)(h))<br>makes the map is submitted<br>tries within the contaminate<br>of all parcels. If groundwate<br>the are not identified on GIS I<br>maps.<br>tion Map<br>elevant features (buildings<br>wells) within the contaminant<br>and railroad rights-of-way<br>n exceeding a ch. NR 140 E<br>maps a Residual Contaminant<br>720.11 and 720.19.<br>mut Map<br>tess closing with residual so<br>powing the horizontal exter<br>L) or a Site Specific Residual | vant section of the recorded p<br>rivey map or a recorded plat ma<br>?), which states that he or she k<br>electronically.<br>ed site boundaries on a U.S.G.S<br>er standards are exceeded, incl<br>Packet maps. However, the local<br>ated area. This map is to show<br>in relation to the source proper<br>offorcement Standard (ES), and,<br>Level (RCL) or a Site Specific Re<br>il contamination, <u>this map is to</u><br>it of each area of contiguous re<br>al Contaminant Level (SSRCL) as | lat map for those prope<br>p. (lots on subdivided<br>believes that the attack<br>5. topographic map or<br>lude the location of all<br>tions of these municipal<br>the location of all<br>erty and in relation to the<br>esidual Contaminant L<br>b show the location of all<br>esidual soil contaminat<br>s determined under s. | erties<br>or<br>hed legal<br>plat map<br>potable<br><i>I wells</i><br>t sources,<br>the<br>evels<br><u>all</u><br>tion that<br>NR |

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| State of Wisconsin                                   | GIS Registry Checklist |             |
|------------------------------------------------------|------------------------|-------------|
| Department of Natural Resources<br>http://dnr.wi.gov | Form 4400-245 (R 3/10) | Page 2 of 3 |

BRRTS #: 03-49-234619

ACTIVITY NAME: Hanson Electric

#### MAPS (continued)

**Geologic Cross-Section Map:** A map showing the source location and vertical extent of residual soil contamination exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL). If groundwater contamination exceeds a ch. NR 140 Enforcement Standard (ES) when closure is requested, show the source location and vertical extent, water table and piezometric elevations, and locations and elevations of geologic units, bedrock and confining units, if any.

Figure #: Title: Geologic Cross Section Map - Close up

Figure #: Title: Geologic Cross Section

Groundwater Isoconcentration Map: For sites closing with residual groundwater contamination, this map shows the horizontal extent of all groundwater contamination exceeding a ch. NR140 Preventive Action Limit (PAL) and an Enforcement Standard (ES). Indicate the direction and date of groundwater flow, based on the most recent sampling data. *Note:* This is intended to show the total area of contaminated groundwater.

Figure #: Title:

**Groundwater Flow Direction Map:** A map that represents groundwater movement at the site. If the flow direction varies by more then 20° over the history of the site, submit 2 groundwater flow maps showing the maximum variation in flow direction.

Figure #: Title:

Figure #:

TABLES (meeting the requirements of s. NR 716.15(2)(h)(3))

Title:

Tables must be no larger than 11 x 17 inches unless the table is submitted electronically. Tables <u>must not</u> contain shading and/or cross-hatching. The use of **BOLD** or *ITALICS* is acceptable.

Soil Analytical Table: A table showing <u>remaining</u> soil contamination with analytical results and collection dates.
 Note: This is one table of results for the contaminants of concern. Contaminants of concern are those that were found during the site investigation, that remain after remediation. It may be necessary to create a new table to meet this requirement.

Table #: Title: Soil Analytical Results Summary

**Groundwater Analytical Table:** Table(s) that show the most recent analytical results and collection dates, for all monitoring wells and any potable wells for which samples have been collected.

Table #: Title:

Water Level Elevations: Table(s) that show the previous four (at minimum) water level elevation measurements/dates from all monitoring wells. If present, free product is to be noted on the table.

Table #: Title: Watertable Elevations Table

#### IMPROPERLY ABANDONED MONITORING WELLS

For each monitoring well <u>not</u> properly abandoned according to requirements of s. NR 141.25 include the following documents. **Note:** If the site is being listed on the GIS Registry for only an improperly abandoned monitoring well you will only need to submit the documents in this section for the GIS Registry Packet.

🔀 Not Applicable

**Site Location Map:** A map showing all surveyed monitoring wells with specific identification of the monitoring wells which have not been properly abandoned.

Note: If the applicable monitoring wells are distinctly identified on the Detailed Site Map this Site Location Map is not needed.

Figure #: Title:

Well Construction Report: Form 4440-113A for the applicable monitoring wells.

**Deed:** The most recent deed as well as legal descriptions for each property where a monitoring well was not properly abandoned.

**Notification Letter:** Copy of the notification letter to the affected property owner(s).

| State of Wisconsin                                   | GIS Registry Checklist |             |  |  |  |
|------------------------------------------------------|------------------------|-------------|--|--|--|
| Department of Natural Resources<br>http://dnr.wi.gov | Form 4400-245 (R 3/10) | Page 3 of 3 |  |  |  |

BRRTS #: 03-49-234619

ACTIVITY NAME: Hanson Electric

#### NOTIFICATIONS

#### **Source Property**

#### 🔀 Not Applicable

- Letter To Current Source Property Owner: If the source property is owned by someone other than the person who is applying for case closure, include a copy of the letter notifying the current owner of the source property that case closure has been requested.
- **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying current source property owner.

#### **Off-Source Property**

Group the following information per individual property and label each group according to alphabetic listing on the "Impacted Off-Source Property" attachment.

#### 🔀 Not Applicable

Letter To "Off-Source" Property Owners: Copies of all letters sent by the Responsible Party (RP) to owners of properties with groundwater exceeding an Enforcement Standard (ES), and to owners of properties that will be affected by a land use control under s. 292.12, Wis. Stats.

**Note:** Letters sent to off-source properties regarding residual contamination must contain standard provisions in Appendix A of ch. NR 726.

#### Number of "Off-Source" Letters:

- **Return Receipt/Signature Confirmation:** Written proof of date on which confirmation was received for notifying any off-source property owner.
- Deed of "Off-Source" Property: The most recent deed(s) as well as legal descriptions, for all affected deeded off-source property(ies). This does not apply to right-of-ways.

**Note:** If a property has been purchased with a land contract and the purchaser has not yet received a deed, a copy of the land contract which includes the legal description shall be submitted instead of the most recent deed. If the property has been inherited, written documentation of the property transfer should be submitted along with the most recent deed.

Letter To "Governmental Unit/Right-Of-Way" Owners: Copies of all letters sent by the Responsible Party (RP) to a city, village, municipality, state agency or any other entity responsible for maintenance of a public street, highway, or railroad right-of-way, within or partially within the contaminated area, for contamination exceeding a groundwater Enforcement Standard (ES) and/or soil exceeding a Residual Contaminant Level (RCL) or a Site Specific Residual Contaminant Level (SSRCL).

#### Number of "Governmental Unit/Right-Of-Way Owner" Letters:

# NOTICE OF LIS PENDENS

POLK COUNTY, WISCONSIN Received for record this 7th day of May AD 2012 at 10:00 MM Document Number: 795726

> Laurie Anderson Register of Deeds

Name and Return Address

Jodie Leigh Grabarski Murnane Brandt 30 East Seventh Street, Suite 3200 St. Paul, MN 55101

022-01111-0000 Parcel Identification Number (PIN)

#### STATE OF WISCONSIN

**CIRCUIT COURT** 

POLK COUNTY

Central Bank, 2270 Frontage Road West Stillwater, MN 55082

VS.

Arlan G. Hanson 513 Seminole Avenue Osceola, WI 54020-5002

Aziza Hanson 513 Seminole Avenue Osceola, WI 54020-5002 Case No. 12-CV-184

Case Code: 30404 Foreclosure of Mortgage

AMENDED NOTICE OF LIS PENDENS

Plaintiff.

| A. A. Hanson Electric, Inc.<br>613 State Road<br>Osceola, WI 54020-5002                                                                             |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Viking Electric Supply, Inc.<br>380 Jackson Street, #700<br>St. Paul, MN 55101                                                                      |  |
| J. H. Larson Electrical Company<br>901 O'Keefe Road<br>Box 566<br>Hudson, WI 54016                                                                  |  |
| State of Wisconsin<br>Department of Workforce Development<br>201 East Washington Avenue<br>Madison, WI 53703                                        |  |
| Department of Safety and Professional<br>Services<br>State of Wisconsin<br>1400 East Washington Avenue<br>Room 112<br>Madison, WI 53703             |  |
| Operating Engineer's Local 49<br>Health and Welfare Fund<br>800 Nicollet Mall #2600<br>Minneapolis, MN 55402                                        |  |
| and                                                                                                                                                 |  |
| Department of the Treasury<br>Internal Revenue Service<br>U.S. Attorney General Eric Holder<br>950 Pennsylvania Avenue NW<br>Washington, D.C. 20530 |  |
| Defendants.                                                                                                                                         |  |

**NOTICE IS HEREBY GIVEN** that the above-entitled action has been commenced and is pending in the above-named Court upon the Complaint of the above-named Plaintiff and the Amended Complaint therein is now on file in the office of

the Administrator of the Circuit Court above named. The names of the parties to said

action are as stated above. This Lis Pendens gives notice of an action to foreclose:

• Real Estate Mortgage in the original principal amount of One Hundred Twenty Four Thousand Three Hundred Sixty and 82/100 Dollars (\$124,360.82) executed on May 12, 2000 and recorded May 17, 2000 in the Register of Deeds Office in Polk County, Wisconsin, in Volume 816 of Records, page 177 as Document No. 598169 ("<u>Hanson Mortgage</u>").

The real property affected, involved and brought in question by said action is that real property situated in Polk County, Wisconsin, legally described as follows:

That part of Lot 1 of Certified Survey Map No. 0360 recorded in Volume 2 of Certified Survey Maps on page 89 as Document No. 376026 in the Polk County Register of Deeds office as described as follows: Commencing at the Southeast corner of Section 34, Township 33 North, Range 19 West; thence North 87°10'17" West on the South boundary of said Section 34, 1313.09 feet; thence North 01°57'00" East 680.03 feet; thence North 87°11'31" West 198.00 feet; thence North 01°57'00" East 124.03 feet to the point of beginning; thence North 01°57'00" East 127 feet; thence South 87°11'31" East 198.00 feet; thence North 01°57'00" East 133.84 feet; thence North 87°12'44" West 515.00 feet; thence South 01°20'42" West 260.84 feet; thence in an Easterly direction to the point of beginning; being located in the North One-half of the Southwest Quarter of the Southeast Quarter (N½ of the SW¼ of the SE¼) of Section 34, Township 33 North, Range 19 West, Town of Farmington, Polk County, Wisconsin.

Dated this 4 day of May\_, 2012

MURNANE BRANDT

lodie Leigh Grabarski #1020887 Kelly S. Hadac #1059989 Attorneys for Plaintiff 30 East Seventh Street Suite 3200 St. Paul, MN 55101 Phone: 651-227-9411 Fax: 651-223-5199

Notary Public-Minnesota

My Commission Expires Jan 31, 2018

STATE OF MINNESOTA ) ) ss COUNTY OF RAMSEY )

The foregoing instrument was acknowledged before me this  $\frac{44^{\circ}}{10}$  day of  $\frac{1}{10}$ , 2012, by Jodie Leigh Grabarski, Attorney for Plaintiff.

tary Public ····· SANDRA L. MEIER

THIS INSTRUMENT WAS DRAFTED BY

MURNANE BRANDT 30 East Seventh Street, Suite 3200 St. Paul, MN 55101 Telephone 651-227-9411

1427194

. .



#### WDNR BRRTS Case #: 03-49-234619

WDNR Site Name: <u>Hanson Electric</u>

# Geographic Information System (GIS) Registry of Closed Remediation Sites

In compliance with the revisions to the NR 700 rule series requiring certain closed sites to be listed on the Geographic Information System (GIS) Registry of Closed Remediation Sites (Registry) effective Nov., 2001, I have provided the following information.

To the best of my knowledge the legal descriptions provided and attached to this statement are complete and accurate.

Responsible Party:

| ARLAN | GLANSON | )           |
|-------|---------|-------------|
|       | (print  | name/title) |
| Do. A | elta    | 11.20-2015  |
| (sign |         | (date)      |

Environmental Consulting, Fuel System Design, Installation and Service



TOPO! map printed on 08/10/11 from "wisconsin.tpo" and "Untitled.tpg" 92°42.000' W WGS84 92°41.000' W

METCO Environmental Consulting, Fuel System Design, Installation and Service

11

SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM









#### Soil Analytical Results Summary Hanson Electric BRRTS# 03-49-234619

| Sample        | Depth          | Date     | PID  | GRO         |         | Ethyl   |       | Naph-    |         | 1,2,4-Trime- | 1,3,5-Trime- | Xylene  |
|---------------|----------------|----------|------|-------------|---------|---------|-------|----------|---------|--------------|--------------|---------|
| ID            | (feet)         |          |      | (ppm)       | Benzene | Benzene | MTBE  | thalene  | Toluene | thylbenzene  | thylbenzene  | (Total) |
|               |                |          |      |             | (ppb)   | (ppb)   | (ppb) | (ppb)    | (ppb)   | (ppb)        | (ppb)        | (ppb)   |
| B-1-1         | 3.5            | 06/06/12 | 15   | <10         | <8.9    | <55     | <12   | <107     | <50     | <80          | <48          | <136    |
| B-1-2         | 6              | 06/06/12 | 0    |             |         |         |       | NOT SAMF | PLED    |              |              |         |
| B-1-3         | 8              | 06/06/12 | 0    | <10         | <25     | <25     | <25   | <25      | <25     | <25          | <25          | <75     |
| B-1-4         | 10             | 06/06/12 | 0    |             |         |         |       | NOT SAMP | PLED    |              |              |         |
| B-1-5         | <sup></sup> 11 | 06/06/12 | 0    | <10         | <25     | <25     | <25   | <25      | <25     | <25          | <25          | <75     |
| B-2-1         | 3.5            | 06/06/12 | 0    | <10         | <25     | <25     | <25   | <25      | <25     | <25          | <25          | <75     |
| B-2-2         | 6              | 06/06/12 | 0    |             |         |         |       | NOT SAMP | PLED    |              |              |         |
| B-2-3         | 8              | 06/06/12 | 0    | <10         | <25     | <25     | <25   | <25      | <25     | <25          | <25          | <75     |
| B-2-4         | 10             | 06/06/12 | 0    |             |         |         |       | NOT SAMP | PLED    |              |              |         |
| B-2-5         | 11             | 06/06/12 | 0    | <10         | <25     | <25     | <25   | <25      | <25     | <25          | <25          | <75     |
| B-3-1         | 3.5            | 06/06/12 | 0    | 11          | 61      | <25     | <25   | <25      | <25     | 106          | 119          | 116     |
| B-3-2         | 6              | 06/06/12 | 0    |             |         |         |       | NOT SAMP | PLED    |              |              |         |
| B-3-3         | 7              | 06/06/12 | 0    | <10         | <25     | <25     | <25   | <25      | <25     | <25          | <25          | <75     |
| B-4-1         | 3.5            | 06/06/12 | 0    | <10         | <25     | <25     | <25   | <25      | <25     | <25          | <25          | <75     |
| B-4-2         | 6              | 06/06/12 | 0    | <10         | <25     | <25     | <25   | <25      | <25     | <25          | <25          | <75     |
| B-5-1         | 3.5            | 06/06/12 | 0    | <10         | <25     | <25     | <25   | <25      | <25     | <25          | <25          | <75     |
| B-5-2         | 6              | 06/06/12 | 0    |             |         |         |       | NOT SAMP | PLED    |              |              |         |
| B-5-3         | 6-8            | 06/06/12 |      |             |         |         | NO R  | ECOVERY  |         |              |              |         |
| B-5-4         | 8.5            | 06/06/12 | 0    | <10         | <25     | <25     | <25   | <25      | <25     | <25          | <25          | <75     |
| B-6-1         | 3.5            | 06/06/12 | 0    | <10         | <25     | <25     | <25   | <25      | <25     | <25          | <25          | <75     |
| B-6-2         | 6              | 06/06/12 | 0    | NOT SAMPLED |         |         |       |          |         |              |              |         |
| B-6-3         | 8              | 06/06/12 | 0    | NOT SAMPLED |         |         |       |          |         |              |              |         |
| B-6-4         | 9              | 06/06/12 | 0    | <10         | <25     | <25     | <25   | <25      | <25     | <25          | <25          | <75     |
| #1            | 6              | 09/22/99 | 0    | <6.1        | <31     | <31     | <31   | NS       | <31     | <31          | <31          | <92     |
| #2            | 6              | 09/22/99 | 2120 | 424         | 1210    | 2420    | <600  | NS       | 8350    | 23000        | 10000        | 36300   |
| #3            | 7              | 09/22/99 | 172  | NOT SAMPLED |         |         |       |          |         |              |              |         |
| #4            | 7.5            | 09/22/99 | 146  | 14.3        | <29     | 50      | <29   | NS       | 100     | 1030         | 502          | 957     |
| NR720         |                |          |      | 100         | 5.5     | 2900    |       |          | 1500    |              |              | 4100    |
| NR746 Table 1 |                |          | 8500 | 4600        |         | 2700    | 38000 | 83000    | 11000   | 42000        |              |         |
| NR746 Table 2 |                | ****     | 1100 |             |         |         |       |          |         |              |              |         |

Bold = NR720 Exceedance

Bold/Underline = NR746 Exceedance

NS = Not Sampled

pot on APP.

### **Richard, Philip E - DNR**

From: Sent: To: Subject: Richard, Philip E - DNR Monday, August 22, 2011 9:10 AM 'Jason Powell, METCO - Staff Scientist' Hanson Electric, 03-49-234619

Jason,

I received and reviewed the workplan for the Hanson Electric site dated August 16, 2011. The workplan is acceptable and you may proceed with the proposed work. Let me know if you have any questions.

Thanks,

Phil

Philip E. Richard

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Hausen Electric Workpen 2/16/11 Reviewed 8/22/11 - 9/94 1000 gallon UST removed It Pornys ( wells lookes good



# LUST Investigation Field Procedures Workplan

Hanson Electric 613 State Highway 35 Osceola, Wisconsin

August 16, 2011 by METCO WDNR File Reference #: 03-49-234619 PECFA Claim #: 54020-4045-13



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August 16, 2011

WDNR BRRTS#: 03-49-234619 PECFA Claim #: 54020-4045-13

Arlan Hanson P.O. Box 98 Osceola, WI 54020

Dear Mr. Hanson,

Enclosed is our "LUST Investigation Field Procedures Workplan" concerning the Hanson Electric site in Osceola, Wisconsin. This document outlines the procedures and the methods used to conduct such an investigation.

A copy of this workplan will be sent to the Wisconsin Department of Natural Resources for review.

We appreciate the opportunity to be of service to you on this project. Should you have any questions or require additional information, do not hesitate to contact our La Crosse office.

Sincerely,

= T. Revell

Jason T. Powell Staff Scientist

C: Phil Richard – WDNR

Environmental Consulting, Fuel System Design, Installation and Service

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Environmental Consulting, Fuel System Design, Installation and Service

# **OBJECTIVES**

#### **Requirements of the WDNR**

A Leaking Underground Storage Tank (LUST) Investigation is required by the Wisconsin Department of Natural Resources (WDNR) by authority of Section 292.11 of the Wisconsin Statutes. According to the WDNR, any soil that tests over 10 ppm Gasoline Range Organics (GRO) or Diesel Range Organics (DRO) requires an investigation. Any soil that tests over the Chapter NR720 Soil Cleanup Standards or NR746 Table 1/Table 2 Values may require remediation. Any groundwater that tests over the Preventive Action Limits (PAL) or Enforcement Standards (ES) for compounds listed in Chapter NR140 of the Wisconsin Statutes requires an investigation and possible remediation. For a further explanation of WDNR rules and regulations, see Appendix D.

#### **Requirements of the PECFA Program**

According to rules adopted in May 2006, the maximum allowable cost for a LUST Investigation shall be no more than \$20,000 unless pre-approved by PECFA. All consultant and commodity service costs must not exceed the Wisconsin Department of Safety and Professional Services (WDSPS) Usual and Customary Charges.

#### **Purpose of Document**

This document briefly outlines all methods and procedures used by METCO personnel concerning "LUST Investigations". These guidelines are strictly followed unless changed by managing personnel, site conditions, or project situations. All changes will be clearly noted.

All work conducted by METCO is undertaken in accordance with approved methods and regulations of the WDNR Bureau for Remediation and Redevelopment and WDSPS Bureau of PECFA.

This document is site specific and will always be on-site during the project.

# INTRODUCTION

#### Site Name

Hanson Electric

#### Site Address

613 State Highway 35 Osceola, Wisconsin

#### Legal Description

SW ¼, SE ¼, Section 34, Township 33 North, Range 19 West, Polk County

J

#### **Contact or Client**

Arlan Hanson P.O. Box 98 Osceola, WI 54020 (715) 294-3119 Ext. 105

#### WDNR Project Manager

Phil Richard WDNR Northern Region Headquarters 875 S. Fourth Avenue Park Falls, WI 54552-1130 (715) 762-1352

#### Consultant

METCO Ronald J. Anderson, P.G. Jason T. Powell 1421 State Road 16 La Crosse, WI 54601 (608) 781-8879

## SITE BACKGROUND

#### Facility

Hanson Electric has owned the subject property since 1978. The property is used as an office and shop for the company. Prior to this, the property was vacant.

On September 22, 1999, a 1,000 gallon unleaded gasoline UST was removed from the subject property. The UST, which was used for fueling fleet vehicles, was installed in approximately 1985.

During the UST removal, four soil samples were collected beneath the removed UST for field (PID) and/or laboratory (GRO and PVOC) analysis. Petroleum contamination was detected in soil samples #2, #3, and #4, which were collected beneath the north end of the UST. Soil sample #2 was collected at 6 feet below ground surface (bgs) and showed 424 ppm GRO and several NR720 exceedances for PVOC compounds. Soil sample #3 was collected at 7 feet bgs and was only analyzed with a PID showing 172 ppm. Soil sample G-4 was collected at 7.5 feet bgs and showed 15 ppm GRO and several low level detects for PVOC compounds. The petroleum contamination was reported to the WDNR, who then required that a LUST investigation be completed.

The nearest known LUST site is the Custom Fire Apparatus, Inc. site (BRRTS # 03-49-270641), which exists approximately 3,700 feet to the northeast. This site does not appear to be close enough to be impacting or impacted by the subject property.

#### Potential Risks and Impacts

The Village of Osceola municipal water supply extends as far south as the Osceola Medical Center, which is located approximately 800 feet to the north of the subject property. The nearest municipal well exists approximately 6,700 feet to the east-northeast of the subject property.

The subject property and surrounding properties are all served by private potable wells. Potable well locations will be researched further during the site investigation. The on-site potable well will be sampled for VOC's during the site investigation.

METCO is not currently aware of any other impacts, receptors, risks, or local problems associated with the subject property.

# SITE CONDITIONS

#### Topography

According to the USGS Hydrologic Atlas, Osceola is located in the central portion of the St. Croix River Basin. This area is characterized by a relatively flat glacial outwash plain and numerous kettle lakes.

The elevation of the site is approximately 895 feet above Mean Sea Level (MSL). See Appendix A for site location.

#### Geology

Native unconsolidated materials in this area generally consist of silty sand to clay. The unconsolidated materials are underlain by sandstone bedrock at approximately 8-10 feet below ground surface.

#### Hydrology

The nearest surface water is St Croix River, which exists approximately 1  $\frac{1}{2}$  miles to the northwest of the subject property.

#### Hydrogeology

Groundwater is expected to exist at approximately 40-50 feet below ground surface. Local groundwater flow direction is unknown but expected to be toward the west to northwest.

### SCOPE OF WORK

#### **LUST** Investigation

An investigation consists of collecting samples of soil and groundwater for analysis by a laboratory for compounds related to petroleum products. The WDNR requires that the investigation determine the degree and extent of contaminants in these mediums, which is commonly referred to as "defining the contaminant plume". Further background information will also be collected to assist in the investigation.

#### **Drilling Project**

METCO has proposed 4 to 6 boreholes to be completed on/off site. METCO has also proposed 1 to 3 monitoring wells to be installed on/off site.

The goal of the Drilling Project is to complete the following:

- 1. Determine general subsurface geotechnical characteristics.
- 2. Verify, through sampling, the horizontal and vertical extent of soil and groundwater contamination.
- 3. Install monitoring wells in an arrangement that fully defines the horizontal and vertical extent of groundwater contamination.
- 4. Develop the monitoring wells.
- 5. Collect at least two rounds of groundwater samples from the monitoring wells.
- 6. If conditions warrant, perform slug tests on at least one monitoring well.

#### **Report Preparation**

The final report, prepared by METCO, will include background information, observations, procedures, methods, field data, laboratory analysis, site maps, data analysis, risk assessment, conclusions, and recommendations concerning all activities conducted for this project. This report will be submitted to the client and the WDNR or WDSPS for review and discussion.

### METCO PROCEDURES AND METHODS

#### Drilling

Drilling is conducted with a truck mounted auger drill rig. To penetrate any unconsolidated materials, work is conducted in accordance with ASTM D-1452 "Soil Investigation and Sampling by Auger Boring". If bedrock is encountered and cannot be penetrated with auger boring, an accepted air-rotary drilling procedure will be used.

Sampling unconsolidated materials is done in accordance with ASTM D-1586 "Penetration Tests and Split-Barrel Sampling of Soils" using a 2-inch outside diameter (O.D.), 2.5 foot split spoon sampler. Using this procedure, a split spoon sampler is driven into the soil by a 140-pound weight falling 30-inches, and a soil sample collected.

All borings are properly abandoned to ground level using bentonite clay.

#### HNU Screening

Each of the samples, for headspace analysis, are placed in a clean, clear, plastic Ziploc bag. These containers are to be filled 1/4 full. All containers are the same size and filled to the same volume. The containers are then sealed.

Once collected and sealed, samples are shaken for 30 seconds to break apart soil clods. They are then allowed to establish headspace. The following table is used to determine headspace equilibration time.

Outside temperature Time to establish headspace

- <40 deg. F 40 minutes
- 41-55 deg. F 20 minutes
- 56-69 deg. F 10 minutes
- >70 deg. F 5 minutes

To take readings, the HNU probe is inserted into the plastic bag halfway between the sample and the highest meter response recorded. The samples are screened with a MODEL HW-101 HNU Meter equipped with a 10.2 eV lamp. Metered calibration is done at the beginning of each workday. Other notes taken are as follows:

- 1. Temperature and weather conditions.
- 2. Date of last factory calibration.
- 3. Field calibration gas used and concentration.
- 4. Date and time of last calibration.
- 5. Instrument gain setting.
- 6. Erratic instrument readings.
- 7. Cleaning or repairs performed in the field.
- 8. Sample moisture (saturated, wet, moist, damp, dry).
- 9. Petroleum odors or staining of samples.

10. Any instrument quenching.

11. Other relevant information.

#### **Monitoring Wells**

Groundwater monitoring well installations are completed under the direction of a METCO hydrogeologist and in accordance with Wisconsin Department of Natural Resources Chapter NR141, "Groundwater Monitoring Well Requirements." The monitoring wells are constructed of flush-threaded, twoinch inside diameter schedule 40 or 80 polyvinyl chloride (PVC) piping. Ten-foot well screens with 0.010-inch slots are installed approximately 5 to 6 feet into the watertable. A uniform washed sand is installed around the well screens to serve as a filter pack. Granular bentonite is used above the filter pack to

provide a surface seal. Steel, locking protective well casings are cemented in at each well. Any variances from NR141 will be reported to the WDNR.

Each well is developed by alternately surging and purging with a clean polyethylene bailer for 20 to 30 minutes to remove fines from the well screen, after which ten well volumes are removed using a submersible pump.

Groundwater level measurements are obtained using an electronic water level indicator. All measurements are recorded to the nearest 0.01-foot. The probe is thoroughly washed between measurements.

At least two rounds of samples are collected using a bottom loading, disposable, polyethylene bailer and disposable polyethylene cord. Approximately four well volumes are purged from each well before collecting samples.

Depending on site conditions and groundwater sampling results, slug tests may be conducted on at least one of the monitoring wells to determine hydrogeologic parameters (hydraulic conductivity, transmissivity, and flow velocity). During the slug test, groundwater in a monitoring well is displaced using a solid plastic slug, while water levels are recorded using a transducer and data logger. Water levels are recorded until the water level in the well returns to equilibrium. Slug test data is evaluated using the Bouwer and Rice method.

#### Well Elevation Survey

All wells are surveyed to the nearest 0.01-foot MSL by a qualified surveying company.

#### Sample Analysis

Environmental samples are collected to minimize both soil disturbance and exposure of the sample to the air.

Field observations such as soil characteristics, petroleum odors, product sheens, and staining associated with the samples are continuously noted throughout sampling.

The amount of sample taken, the size of the container used, and the type of sample preservation used, will depend on the laboratory contracted and for which parameters the soil samples are analyzed. See Appendix C for LUST Sample Guidelines.

All collected samples are stored in a cooler that maintains a temperature of, at most, 4 degrees Celsius. The coolers are accompanied by a complete chain of custody and are delivered to the laboratory within two days of sampling.

The WDNR document, "LUST Analytical and Quality Assurance Guidance, July 1993" is referenced in determining what parameters in which the soil and water samples will be analyzed, and the amount of duplicates/blanks required.

#### **Quality Assurance/Quality Control/Waste Management**

All drilling and sampling equipment advanced into the subsurface is cleaned between sampling locations. This consists of washing with a biodegradable Alconox solution and rinsing with potable water. Wash and rinse water are disposed of atop an isolated area of asphalt for evaporation or discharged into a local storm sewer.

Drill cuttings, field screened as being contaminated, are contained in 55-gallon DOT barrels, characterized, and properly disposed of by METCO and/or client.

Development and purge waters are contained in 55 gallon DOT barrels, characterized, and properly disposed of by METCO and/or the client. Disposal options will depend on the amount of water, type of contaminants, and concentration of contaminants. All wastewater contaminants and disposal activities are recorded with complete documentation submitted to the WDNR.

#### Variances

We are not aware of any variances needed at this time.

### SCHEDULE FOR INVESTIGATION PROJECT

The following is a checklist of activities that have been, or will be completed, concerning the LUST Investigation, along with an estimated time frame. A typical LUST Investigation takes approximately 2 to 6 months. The investigation may take up to 12 months if bedrock or groundwater is contaminated.

- 1) METCO submits a LUST Investigation Project proposal to client (done).
- 2) Proposal acceptance by client. METCO notifies the WDNR that a consultant has been contracted (6/9/11).
- 3) Client obtains PECFA Packet and Site Eligibility Letter from PECFA (5/2/11).
- METCO submits a LUST Investigation Field Procedures Workplan to client and WDNR for review and approval (8/16/11).
- 5) METCO conducts Drilling Project (1 month). More than one field

mobilization may be needed to complete project depending on complexity of the site and project (1 month to receive lab results).

- 6) METCO develops/surveys the installed monitoring wells and collects. Round 1 groundwater samples for laboratory analysis (1 month to receive lab results).
- 7) METCO collects Round 2 groundwater samples for laboratory analysis (1 month to receive lab results).
- 8) METCO completes any additional work that is needed, such as slug tests (1 month).
- 9) METCO prepares a LUST Investigation report that contains all collected data and submits to the client and WDNR (3-6 months).
- If no further investigation work is required, METCO will apply for "site closure" with the WDNR or WDSPS. Upon closure, METCO will complete the PECFA Application and submit for reimbursement (reimbursement takes 3 to 6 months).
- 11) If further investigation and/or remediation is required METCO will provide further assistance.

# **APPENDIX A/SITE MAPS**



TOPO! map printed on 08/10/11 from "wisconsin.tpo" and "Untitled.tpg" 92°42.000' W WGS84 92°41.000' W

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SEAMLESS USGS TOPOGRAPHIC MAPS ON CD-ROM


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LUST Investigation Field Procedures Workplan - METCO Hanson Electric

**APPENDIX B/INVESTIGATION CHECKLIST** 

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#### SITE INVESTIGATION CHECKLIST Revised February 1992 PUBL-SW-115

This checklist was prepared by the Department of Natural Resources. It lists the necessary information to include in a site investigation report, for investigations conducted in accordance with guidelines prepared by the Emergency and Remedial Response Section, of the Bureau of Solid and Hazardous Waste Hanagement, Wisconsin DNR. Sites include those where actions are conducted under the LUST, Spills and Environmental Repair programs. If some of this information is not submitted the report should clearly state why it is omitted. Hore complete information regarding site investigations is available in the Department's "Guidance on Conducting Environmental Response Actions".

The purpose of the site investigation is to 1) define the extent and degree of contamination and 2) to provide a basis for choosing a remedial action alternative. The narrative portion of the investigation report should clearly address these goals.

The Department strongly recommends that the site investigation report follow the sequence of information listed here. This will allow for a quick completeness check and more timely review of submittals. Incomplete reports will not be reviewed until all the necessary information has been received. The following information should be included in the site investigation, (as appropriate to each case):

#### Ι. INTRODUCTION/COVER LETTER

| <br>1. | Project title                                   |
|--------|-------------------------------------------------|
| <br>2. | Purpose of report and desired department action |
| <br>3. | Client(s)                                       |
| <br>4. | Author(s), with signatures                      |
| <br>5. | Scope of Services                               |
| <br>6. | Dates the work was performed                    |
| <br>7. | Date of report                                  |
| <br>8. | Subcontractors employed by the consultant       |
|        | • • • •                                         |

- н. GENERAL and BACKGROUND INFORMATION
- 1. General Information

Α. Identify the owner/operator and/or person(s) responsible: (include all applicable)

- name 1.
- 2. address
  - 3. day phone number
- 4. contact person (name)
- 5. address
- 6. phone number
- 7. verification of ownership: photocopy of deed or exact legal description of property
- Specify the site of contamination:
- B. 1. name
  - 2, phone number
    - specific location (street corner, miles from an intersection, etc) 3.
      - legal address (street address if applicable, do not supply just a P.O. Box #) ۵.
      - ь. location of impacted properties by latitude and longitude, to an accuracy of seconds, at a minimum (preferred method) or State Plane coordinate system
      - location of impacted properties by quarter, quarter, section, township, range, ¢. civil township, county, or other locational criteria if site(s) are not within the

1

- Public Land Survey system
- 4. type of operation: gas station, tank farm, private residence, manufacturer, etc.

С. Site Location Maps

- 1. General Location Map
- locate on a USGS topographic base map (include quadrangle name, series and scale) locate on a plat map, if applicable
- 2. Local Base Map: the map must be drawn to scale and include the following items. Other features may also be needed:
  - a. bar scale
  - ь. North arrow
  - legend c.
    - d. location of benchmark used
  - e. origin of horizontal grid system

3. Including Site Specific Features: more than one map may be appropriate, use the local map for the base map (These maps may be used for several purposes.) location of discharge on site or facility, for example, the location of (former) a. tank and pump islands and piping location of all buildings on site ь. locations of public utilities, appropriately marked c. d. property boundaries location of all soil borings and wells (monitoring wells and potable wells) e. location of soil vapor points f. locations of where field screenings and lab confirmation samples were taken Ω. h. nearby/neighboring structures and private wells (within 1200 feet) any nearby surface waters (within map scale) ί. roads and paved areas, and other access areas j. k. known and potential sources of contamination ١. known and potential receptors limits of excavation п. 2. Site Background ٨. General Site Information site description, including features like: 1. number of tanks/containers - volume/size of tanks/containers - tank/container contents, past and present - tank/container age, installation dates - tank/container construction materials presence and type of leak detection presence and type of secondary containment 2. general site construction history 3. any past reports of spills, or other incidents 4. periods of nonoperation 5. proximity of sensitive sites such as schools, homes, private or public wells, etc. Β. Description of Discharge Incident type of hazardous substances discharged, known or suspected (released, spilled, lost, etc.) 1. 2. approximate amounts discharged 3. location of impact 4. dates of discharge 5. local problems associated with discharge, e.g. vapors in homes, well contamination, etc. 6. known receptors с. Impacts 1. existing impacts to human health, safety, welfare and the environment 2. any impacts to adjacent or nearby buildings, wells or other structures 3. names and addresses of owners of adjacent properties, if those properties have been adversely impacted by the hazardous substance discharge D. Past Activities, Honitoring and Testing 1. dates of site activities, duration and type and potential amounts of discharges 2. description of emergency actions taken and of interim actions taken, including dates 3. record of activities conducted at the site which had potential to cause contamination 4. inventory record system data 5. summary of monitoring results, including: product monitoring records according to ILHR 10 groundwater monitoring surface water monitoring - soil monitoring sediment monitoring atmospheric monitoring 6. records of testing, repair, removal or replacement, including dates 7. tank/container/line integrity testing method testing firm dates results ε. **Hazardous Waste Generation** 1. hazardous waste manifest 2. was hazardous waste ever generated or stored on site?

F. Description of Tank/Container and Soil Removal Activities description of soil conditions in the area of the tank/container excavation or in area of 1. discharge volume of (contaminated) soils removed from the excavation 2. location of stockpiled contaminated soils 3. 4. type of impermeable base for stockpiled soils type of impermeable cover for stockpiled soils 5. if excavation was backfilled, what was used as fill? 6. 7. final deposition of soil excavated, where and how were they used? (daily cover, backfill on/off site, roasted, buried, etc.) 8. condition of tanks, lines, pumps (corrosion, visible leaks, etc?) 9. product (other than petroleum) or waste delivery or storage systems G. Land Use Information current and past land uses of site and neighboring properties 1. 2. description of zoning of property and adjacent properties 3. Environmental Analysis A. Site Historical Significance impacts or potential impacts to significant historical or archeological features due to any 1. response activities or the discharge itself 2. presence of buildings greater than 50 years old on or next to discharge site 8. Presence of "Sensitive" Environmental Receptors wildlife habitat 1. 2. state or federal threatened or endangered species 3. sensitive or unique ecosystems or species areas of special natural resource interest 4. 5. other surface waters and wetlands, as appropriate с. Geology (use maps as appropriate) geologic origin, nature and distribution of bedrock 1. geologic origin, nature and distribution of overlying soils 2. 3. thicknesses of various strata (consolidated and unconsolidated) 4. depth to bedrock 5. geophysical characteristics 6. soil types and texture 7. soil descriptions to include: - structure - mottling voids layering Lenses - geologic origin - Unified Soil System Classification - grain size distribution, if applicable - evidence of secondary permeability - odor, if evident - staining, if evident 8. bedrock descriptions, if impacted: rock type grain size - bedding thickness presence of fractures orientation of fractures - sedimentary structures - secondary porosity/solutional features - other 9. topography 10. site hydrology, including intermittent and ephemeral streams, drain tile systems, surface waters wetlands - location of floodway and floodplain (this may be best located on a site map) Đ. Hydrogeology 1. depth to water table

flow directions, seasonal variations

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| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |                |           | hydraulic conductivity, variation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| 4447                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                | <u>o.</u> | tocat and regional recharge of discharge area(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    | <u> </u>       | 8.        | location, seasonal variation of groundwater divides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 9.        | location and extent of perched groundwater                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |                | 10        | local and regional provoduater guality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                |           | hydrautic connection between adulters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 12.       | saturated thickness of aquiter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 13.       | estimates of flow volume passing below the discharge site/facility (include calculations in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                |           | the appendices)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 14        | drillers logs which indicated any abnormal drilling difficulties                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | <u> </u>       | 17.       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    | <del></del>    | 15.       | 1soconcentration maps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 16.       | other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| territe in the second se |    | 111            | RESHLE    | s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2227                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | •. |                | REJULI    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | · .            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | 1.             | Contam    | inant Rigration Pathway and Receptor Assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 411                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | ۸.             | Potent    | ial Vapor and Product Higration Pathways (include depth of burial and construction material)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 1.        | sever lines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | ,,        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 5.        | buried power cables                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 4.        | buried telephone lines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 5.        | tile lines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 6         | more permeable soil lenses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | - <del>1</del> | 7         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ŝ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |                | 1.        | Water times                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 77                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    | •              | 8.        | road beds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 11447 25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                | 9.        | foundations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |                | 10.       | other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ş -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |                | Detent    | is Recenters of Contemination (description of impacts or patential impacts if applicable)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ŝ.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    | 0.             | Potent    | that Receptors of containing ton (description of impacts of potentiat impacts, if appricate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ġ.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                | 1.        | buildings on site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ÷ .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    |                | 2.        | neighboring basements/buildings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 3.        | nearby wells (locations must be provided on a map)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| à                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |                | 4         | nearby surface waters including vetlands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |                |           | notion biost                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | <u> </u>       | ٠.        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    | ·              | 6.        | endangered species                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 7.        | outstanding resource waters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |                | 8.        | exceptional resource waters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | ō         | sensitive or injule ecosystems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 10        | athan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    |                | 10.       | other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ÷                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |    | с.             | Poteni    | tial Health Impacts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 1.        | danger of explosion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 2         | contaminated private wells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ÷.,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    | <del></del>    | ~<br>7    | contemported pointed action and states and stat |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | <b></b>        | .د        | contaminated public water supply wells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | <u></u>        | 4.        | exposure to vapors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| y 2100 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    |                | 5.        | dermal exposure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 6.        | other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| : ≹.:†                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |    |                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | 2              | Samali    | ing and includin Deculto (figures and tables should be used, but research transferred and the evenall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| -<br>2 -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |    | . 2 .          | занры     | ing and Adatysis Results (rightes and tables should be used, but general trends and the overall                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | evalua    | acion should be in narrative form) provide units of measurement for all results. Describe or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | provid    | de the following information for each media impacted:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| έ. Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | ۸.             | soila     | chemistry results, per parameter, per location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                | 1         | field screening results with locations identified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ý.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| han pilite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |    |                | ۷.        | taburatory (continuation) sample results with tocations identified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | <u> </u>       | 3.        | any indication of contamination of soils encountered (staining, odor, etc.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    |                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |    | 8.             | ground    | dwater sample results, per parameter, per well, over time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| digital -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |                | 1         | Aboratory results                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    |                |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |    |                | ٤.        | ticinus onatysis .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

compliance evaluation with NR 140 groundwater standards, if applicable 3. c. 'soil vapor results (define type of survey used) by parameter 1. 2. per location D. sampling results from other media impacted by the discharge parameters 1. 2. locations 3. Sampling Methods Used (for each media impacted, lists provided for soil and groundwater only) ٨. Soils: ۱. description of sample collection method 2. field screening or analytical instrument type used lamp strength calibration operating procedure 3. sample container 4. temperature at which the sample was collected 5. time allowed for PID or FID samples to achieve at least 70° F, and location 8. Groundwater method and instruments used to obtain sample 1. 2. any indication of contamination noticed in field 3. whether the well was purged or not, why and how, and amount removed 4. drilling method used 5. monitoring well construction features 6. abandonment methods а. boreholes ь. monitoring wells excavations c. survey methods 7. 8. sample container size 9. sample description - turbid - clear - sheen free product 10. other c. Vapors/Ambient Air 1. description of sample collection method 2, field screening, if conducted 3. sample container 4. Quality Control and Quality Assurance ۸. General QA/QC (for all media impacted) 1. name and address of laboratory 2. laboratory certification number 3. number of blanks, with results: - field blanks - trip blanks - lab spikes - split samples - replicate spikes 4. name and training of person collecting the samples (including certification, if applicable) В. Field Instrument Quality Control (for all media impacted) instrument make, model and lamp energy 1. limitations of field screening instruments 2. temperature changes - humidity changes - other 3. any repairs to the instrument field instrument calibration measures conducted 4. 5. time and frequency or schedule of field instrument calibration 6. composition of the calibration gas used (calibration product 7) 7. calibration curves used 8. correction factor if one was used

| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         | 9, results of any calibration checks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         | 10. time of day and ambient temperature when calibrations, calibration curves or calibration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 12 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | diamon and an and a second              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 3<br>80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                         | checks were completed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         | 11. time and temperature that samples were equilibrated if the outside temperature is below                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         | 60°F at the time of field analysis                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         | 1. sample type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         | 2 comple leastion and appopriated field and laboratory identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         | 6. field preservation performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         | 7 date and time of preservation or extraction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         | 9. deviations from standard operating procedures                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         | 2 diam and disk of manipulation by the laboratory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         | 2. the and date of receipt of samples by the taboratory                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         | - the temperature of the samples and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                         | - Mierie, rie Salpres Here property Searce                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | · · ·                                   | A Inhorstony departion limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| j.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         | 7. sample results with units of measurement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| i,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         | 8. accuracy and precision of replicate spikes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| j.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         | eight hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2.                                      | investigative wastes (for all media impacted, to include but which is not limited to contaminated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         | Water from excavations, borings, purge water, rinse waters from decontamination procedures, extra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                         | samle)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| s .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| econdations and and a constant and a | v.                                      | <ul> <li>4. Known or potential impacts to receptors, such as water supply wells</li> <li>4. vapor migration potential</li> <li>5. impacts from seepage into basements, utility lines, surface waters</li> <li>6. difficulties experienced during the investigation</li> <li>7. unanticipated or questionable results</li> <li>8. details needing emphasis</li> </ul> CONCLUSIONS source and type of release defined soil and groundwater contamination adequately defined? further study needed further remediation needed known or potential impacts from the release defined? clean site, ready for case closure other RECOMMENDATIONS Investigation Incomplete continued monitoring additional investigation                                                                                                                                                                                                                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | V.                                      | <ul> <li>4. Known or potential impacts to receptors, such as water supply wells</li> <li>4. vapor migration potential</li> <li>5. impacts from seepage into basements, utility lines, surface waters</li> <li>6. difficulties experienced during the investigation</li> <li>7. unanticipated or questionable results</li> <li>8. details needing emphasis</li> </ul> CONCLUSIONS source and type of release defined soil and groundwater contamination adequately defined? further study needed further remediation needed known or potential impacts from the release defined? clean site, ready for case closure other RECOMMENDATIONS Investigation Incomplete continued monitoring additional investigation Percential Action Alternatives (provide description of alternatives) and                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | V.<br>V.<br>V.<br>V.<br>VI.<br>1.<br>2. | <ul> <li>4. Known or potential impacts to receptors, such as water supply wells</li> <li>4. vapor migration potential</li> <li>5. impacts from seepage into basements, utility lines, surface waters</li> <li>6. difficulties experienced during the investigation</li> <li>7. unanticipated or questionable results</li> <li>8. details needing emphasis</li> <li>CONCLUSIONS</li> <li>source and type of release defined</li> <li>soil and groundwater contamination adequately defined?</li> <li>further study needed</li> <li>further remediation needed</li> <li>known or potential impacts from the release defined?</li> <li>clean site, ready for case closure</li> <li>other</li> <li>RECOMMENDATIONS</li> <li>Investigation Incomplete</li> <li>continued monitoring</li> <li>additional investigation</li> </ul>                                                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | V.                                      | <ul> <li>4. Known or potential impacts to receptors, such as water supply wells</li> <li>4. vapor migration potential</li> <li>5. impacts from seepage into basements, utility lines, surface waters</li> <li>6. difficulties experienced during the investigation</li> <li>7. unanticipated or questionable results</li> <li>8. details needing emphasis</li> <li>CONCLUSIONS</li> <li>source and type of release defined</li> <li>soil and groundwater contamination adequately defined?</li> <li>further study needed</li> <li>further study needed</li> <li>further remediation needed</li> <li>known or potential impacts from the release defined?</li> <li>clean site, ready for case closure</li> <li>other</li> <li>RECOMMENDATIONS</li> <li>Investigation Incomplete</li> <li>continued monitoring</li> <li>additional investigation</li> <li>Remedial Action Alternatives (provide description of alternatives) e.g.:</li> </ul> |

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| 3.           | soil rem<br>Boil ven<br>product<br>groundwa<br>insitu b<br>other ac<br>Other | oval, treatment and disposal<br>ting<br>recovery<br>ter extraction and treatment<br>iological treatment<br>tions (define)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              | construc                                                                     | tion proposals for further action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|              | pilot st                                                                     | udy, other treatability studies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|              | schedule                                                                     | s for further actions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|              | required                                                                     | permits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|              |                                                                              | sir quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|              |                                                                              | wastewater discharge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|              |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| VII.         | FIGURES                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|              | 1.                                                                           | Site Maps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| •            |                                                                              | - location maps (regional and local)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|              |                                                                              | - water table and/or potentiometric surface maps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|              |                                                                              | - isoconcentration maps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <del></del>  |                                                                              | - surface water depth maps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | ~                                                                            | - bedrock and soil type and distribution maps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              | 2. 7                                                                         | Flow cross sections                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|              | э.<br>L                                                                      | Extend of contamination in Sov $($                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|              | τ.<br>5                                                                      | Except of containing to an around a containing to containing to a containing to a containing t |
|              | 6.                                                                           | Contrain Cross-Sections                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ·            | ••                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|              |                                                                              | b. boring location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|              |                                                                              | c. soil classification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|              |                                                                              | d. analytical sempling                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|              |                                                                              | e. monitoring well locations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|              |                                                                              | f. water table                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|              |                                                                              | g. extent of contaminant plume                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <del>,</del> |                                                                              | h. concentrations at referenced date and point                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <u> </u>     |                                                                              | i. sampling intervals (for soil and groundwater)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|              |                                                                              | j, of excavation walls showing location of field screening and/or analytical results,<br>as appropriate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|              | 7.                                                                           | Photographs (NO black and white photocopies)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| VIII.        | TABLES                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|              | 1.                                                                           | Groundwater Chemistry Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              | 2.                                                                           | Soil Chemistry Results                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| _            | 3.                                                                           | Analytical Methods Used                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|              | 4.                                                                           | Standards for Comparison and Compliance Determinations (Tables with compliance standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|              | 5                                                                            | should be combined with analytical results for comparison)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|              | л.<br>К                                                                      | Consideration Educations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|              | 7.                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|              | 8.                                                                           | Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|              | APPEND10                                                                     | CES (up to the author)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|              | 1.                                                                           | Table giving data for compounds found, such as:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|              |                                                                              | Vacan pressure. Manavis Law Constant Kow                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|              | 2.                                                                           | reprint pressure, meaning a can consider, KON<br>References used to support methode or provide eteroderide methode, including provides recents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|              | 3.                                                                           | All new data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|              | 4.                                                                           | All documentation on forms: (DNR form number)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|              |                                                                              | a. soil boring logs (4400-122)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|              |                                                                              | b. monitoring well construction logs (4400-113A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|              |                                                                              | c. soil boring/well abandonment forms (3300-58)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|              |                                                                              | d. chain of custody forms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|              |                                                                              | e. lab/chemistry results                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b></b>      |                                                                              | f. groundwater monitoring well information form (4400-89)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|              | -                                                                            | g. monitoring well development form (4400-113B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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5. Variances (for well construction, hazardous waste storage requirements, etc.)

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- Well logs of all impacted wells and potentially impacted wells within 1200' of the discharge site (locate wells on a map) All calculations and assumptions
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Landfill receipts for disposed soil Regional hydrogeological information references used

Other information that may be needed includes:

- access

- public information plan - health and safety plan

LUST Investigation Field Procedures Workplan - METCO Hanson Electric

## APPENDIX C/LUST SAMPLING GUIDELINES

Environmental Consulting, Fuel System Design, Installation and Service Page 12

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#### LUST and Petroleum Analytical and QA Guidence July 1993 Revision

| Petroleum Substance<br>Discharged                                                 | Analysis of Samples<br>Collected for UST<br>Tank<br>Closure Assessments | Solid Waste Program<br>Requirements for Soils<br>to be landfilled <sup>5</sup>                                                             | Site Investigation,<br>Pretreatment and<br>Posttreatment<br>Sample Analysis <sup>11</sup>                        |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Regular Gasoline                                                                  | GRO <sup>2</sup>                                                        | Free Liquids <sup>6</sup><br>GRO<br>Benzene <sup>7</sup><br>Pb <sup>7</sup><br>Haz. Waste Deter. <sup>8</sup>                              | GRO<br>VOC/PVOC <sup>15</sup><br>Pb <sup>12</sup>                                                                |
| Unleaded<br>Gasoline; Grades<br>80 100, and 100<br>LL (Low Lead)<br>Aviation Fuel | GRO <sup>2</sup>                                                        | Free Liquids <sup>6</sup><br>GRO<br>Benzene <sup>7</sup><br>Pb <sup>7</sup><br>Haz. Waste Deter. <sup>8</sup>                              | GRO<br>PVOC                                                                                                      |
| Diesel; Jet Fuels; and<br>No's 1, 2, and 4 Fuel<br>Oil                            | DRO <sup>3</sup>                                                        | Free Liquids <sup>6</sup><br>DRO<br>Benzene <sup>7</sup><br>Haz. Waste Deter. <sup>8</sup>                                                 | DRO <sup>3</sup><br>PVOC<br>PAH <sup>13</sup> <sup>14</sup>                                                      |
| Crude Oil; Lubricating<br>Oils; No. 6 Fuel Oil                                    | DRO <sup>3</sup>                                                        | Free Liquids <sup>6</sup><br>DRO<br>Haz. Waste Deter. <sup>8</sup>                                                                         | DRO <sup>3</sup><br>PAH <sup>13</sup> 14                                                                         |
| Unknown Petroleum                                                                 | GRO <sup>7</sup> and DRO <sup>3 4</sup>                                 | Free Liquids <sup>6</sup><br>GRO and DRO<br>Pb, Cd <sup>7</sup><br>Haz. Waste Deter. <sup>8</sup><br>CN <sup>19</sup><br>S <sup>2</sup> 10 | GRO and DRO <sup>3 4</sup><br>VOC/PVOC <sup>15</sup><br>PAH <sup>13 14</sup><br>Pb, Cd <sup>12</sup>             |
| Waste Oil                                                                         | DRO <sup>3</sup>                                                        | Free Liquids <sup>6</sup><br>DRO<br>Pb, Cd <sup>7</sup><br>Haz. Waste Deter. <sup>8</sup><br>CN <sup>19</sup><br>S <sup>2 10</sup>         | DRO <sup>3</sup><br>VOC/PVOC <sup>15</sup><br>PAH <sup>13 14</sup><br>PCBs <sup>16</sup><br>Pb, Cd <sup>12</sup> |

Abbreviations:

GRO - Gasoline Range Organics, Determined by the Wisconsin Modified GRO Method

DRO - Diesel Range Organics, Determined by the Wisconsin Modified DRO Method

VOC - Volatile Organic Compounds (See Section 11.1 for a list of VOC compounds)

PVOC - Petroleum Organic Compounds (See Section 11.2 for a list of PVOC compounds)

PAH - Polynuclear Aromatic Hydrocarbons (See Section 11.3 for a list of the PAH compounds)

PCBs - Polychlorinated Biphenyls

Pb - Lead

## **SYNERGY ENVIRONMENTAL LAB – Sample Bottle Requirements**

## TABLE 1 **SAMPLE & PRESERVATION REQUIREMENTS FOR WATER and DRINKING WATER SAMPLES**

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| Test                                    | Original Sample<br>Container                                                                                                                                                                                                       | Preserved                                            | Holding Time to<br>Analysis                          |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|
| WET CHEMISTRY                           |                                                                                                                                                                                                                                    |                                                      |                                                      |
| Alkalinity SM2320B/EPA 310.2            | 250 mL HDPE                                                                                                                                                                                                                        | 4°C                                                  | 14 days                                              |
| Ammonia EPA 350.1                       | 250 mL HDPE                                                                                                                                                                                                                        | 4°C, pH<2 with H₂SO₄                                 | 28 days                                              |
| BOD, cBOD SM5210B                       | 500 ml HDPE                                                                                                                                                                                                                        | 4°C                                                  | 48 hrs.                                              |
| COD EPA 410.4                           | 500 ml HDPE                                                                                                                                                                                                                        | 4°C, pH<2 with H₂SO₄                                 | 28 days                                              |
| Chloride EPA 300.0/EPA 325.2            | 250 mL HDPE                                                                                                                                                                                                                        | 4°C                                                  | 28 days                                              |
| Cyanide SW846 9012A/SM4500-CN-C         | 1000 mL HDPE                                                                                                                                                                                                                       | 4°C, pH>12 with NaOH                                 | 14 days                                              |
| Flashpoint SW846 1010                   | 250 mL HDPE                                                                                                                                                                                                                        | 4°C                                                  | 28 days                                              |
| Fluoride EPA 300.0                      | 250 mL HDPE                                                                                                                                                                                                                        | 4°C                                                  | 28 days                                              |
| Hardness SW846 6010B                    | 250 mL HDPE                                                                                                                                                                                                                        | 4°C, pH<2 with HNO <sub>3</sub>                      | 180 days                                             |
| TKN EPA 351.2                           | 1 Liter HDPE                                                                                                                                                                                                                       | 4°C, pH<2 with H <sub>2</sub> SO <sub>4</sub>        | 28 days                                              |
| Nitrate EPA 300.0                       | 250 mL HDPE                                                                                                                                                                                                                        | 4°C                                                  | 48 hours                                             |
| Nitrate+Nitrite EPA 300.0               | 250 mL HDPE                                                                                                                                                                                                                        | 4°C, pH<2 with H₂SO₄                                 | 28 days                                              |
| Nitrite EPA 300.0                       | 250 mL HDPE                                                                                                                                                                                                                        | 4°C                                                  | 48 hours                                             |
| Oil & Grease EPA 1664                   | 1 Liter Glass                                                                                                                                                                                                                      | 4°C, pH<2 with H <sub>2</sub> SO <sub>4</sub>        | 28 days                                              |
| Organic Carbon SW846 9060/<br>EPA 415.1 | 40 ml Glass                                                                                                                                                                                                                        | 4°C, pH<2 with H <sub>2</sub> SO <sub>4</sub> or HCL | 28 days                                              |
| Phenol, Total EPA 420.1                 | 1 Liter Glass                                                                                                                                                                                                                      | 4°C, pH<2 with H <sub>2</sub> SO <sub>4</sub>        | 28 days                                              |
| Phosphorus, Total EPA 365.3             | 250 mL HDPE                                                                                                                                                                                                                        | 4°C, pH<2 with H₂SO₄                                 | 28 days                                              |
| Sulfate EPA 300.0                       | 250 mL HDPE                                                                                                                                                                                                                        | 4°C                                                  | 28 days                                              |
| Total Dissolved Solids EPA 160.1        | 250 ml HDPE                                                                                                                                                                                                                        | 4°C                                                  | 7 days                                               |
| Total Solids EPA 160.3                  | 250 ml HDPE                                                                                                                                                                                                                        | 4°C                                                  | 7 days                                               |
| Total Suspended Solids EPA 160.2        | 250 mL HDPE                                                                                                                                                                                                                        | 4°C                                                  | 7 days                                               |
| METALS                                  |                                                                                                                                                                                                                                    |                                                      |                                                      |
| Metals                                  | 250 mL HDPE                                                                                                                                                                                                                        | 4°C, pH<2 with HNO₃                                  | 6 months                                             |
| Mercury SW8467470/EPA 245.1             | 250 mL HDPE                                                                                                                                                                                                                        | 4°C, pH<2 with HNO <sub>3</sub>                      | 28 days                                              |
| ORGANICS                                | ne aller französiska för förstöra som som sönger att sönger att sönger som sönger som sönger som sönger som sö<br>Ten sönger som sönger som sönger sö |                                                      | (1997년) 2월 19년 - 19년 18일<br>1989 - 1997년 1991 - 1992 |
| Semivolatiles SW846 8270C               | 1 Liter amber glass,<br>collect 2 for one of the<br>samples submitted .                                                                                                                                                            | 4°C                                                  | 7 days extr.<br>40 days following extr               |
| PAH SW846 8270C                         | 1 Liter amber glass,<br>collect 2 for one of the<br>samples submitted                                                                                                                                                              | 4°C                                                  | 7 days extr.<br>40 days following extr               |
| PCB SW846 8082                          | <ol> <li>Liter amber glass,<br/>collect 2' for one of the<br/>samples submitted.</li> </ol>                                                                                                                                        | 4°C                                                  | 7 days extr.<br>40 days following extr               |
| DRO, Modified DNR Sep 95                | 1 Liter amber glass with<br>Teflon lined cap                                                                                                                                                                                       | 4°C, 5 mL 50% HCI                                    | 7 days extr.<br>40 days following extr               |
| VOC'S<br>SW846 8260B/EPA524.2           | (3) 40 mL glass vials with<br>Teflon lined septum caps                                                                                                                                                                             | 4°C, 0.5 mL 50% HCl,<br>No Headspace                 | 14 days                                              |
| GRO/VOC                                 | (4) 40 mL glass vials with<br>Teflon lined septum caps                                                                                                                                                                             | 4°C, 0.5 mL 50% HCI prior to adding<br>sample to jar | 14 days                                              |
| GRO, Modified DNR Sep 95                | (2) 40 mL glass vials with<br>Teflon lined septum caps                                                                                                                                                                             | 4°C, 0.5 mL 50% HCl prior to adding<br>sample to jar | 14 days                                              |
| GRO/PVOC                                | (2) 40 mL glass vials with<br>Teflon lined septum caps                                                                                                                                                                             | 4°C, 0.5 mL 50% HCl prior to adding<br>sample to jar | 14 days                                              |
| PVOC                                    | (2) 40 mL glass vials with<br>Teflon lined septum caps                                                                                                                                                                             | 4°C, 0.5 mL 50% HCl prior to adding<br>sample to jar | 14 days                                              |

All samples are to be cooled to 4°C until tested. HDPE = High Density Polyethylene.

## **SYNERGY ENVIRONMENTAL LAB – Sample Bottle Requirements**

#### Holding Times from Date and Time of Collection Original Sample Preserved Test **Solvent Addition** Shipping Extraction Analysis Container METALS 2 oz glass Metals 4°C NA NA NA 180 days or soil cup Mercury SW846 2 oz glass 4°C NA NA NA 28 days 7471 or soil cup Chromium 2 oz alass Hexavalent 4°C NA NA NA 24 hours or soil cup SM3500-Cr ORGANICS 1- tared VOC vial with 10 mls Any combinations methanol. 4°C, 1:1 with Immediately 4 days of GRO, 21 days 21 days methanol 13 grams of VOC, PVOC soil collected with syringe 1- tared VOC vial, 13 grams of DRO, Modified soil 4°C, Hexane 10 days 4 days 47 days 47 days collected with syringe jar **PAH, SW846** 2 oz glass 4°C NA NA 14 days 40 days 8270C untared Semivolatile 2 oz glass 4°C 40 days NA NA 14 days SW846 8270C untared 2 oz glass PCB SW846 8082 4°C 40 days NA NA 14 days untared

## TABLE 2 SAMPLE & PRESERVATION REQUIREMENTS FOR SOIL SAMPLES

All samples are to be cooled to 4°C until tested.

LUST Investigation Field Procedures Workplan - METCO Hanson Electric

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## APPENDIX D/WDNR DOCUMENTS

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(b) No soil contamination is present at the site that exceeds any of the soil screening levels in Table 1.

<u>Table i</u> Indicators of Residual Petroleum Product in Soil Pores

| -                               | Soil Screening |
|---------------------------------|----------------|
|                                 | Levels (mg/kg) |
| Benzene                         | <u>8.5</u>     |
| <u>1,2-DCA</u>                  | 0.6            |
| <u>Ethylbenzene</u>             | 4.6            |
| <u>Toluene</u>                  | <u>.38</u>     |
| <u>Xylene</u>                   | 42             |
| <u>1.2.4 – Trimethylbenzene</u> |                |
| 1,3,5 - Trimethylbenzene        | <u></u>        |
| Naphthalene                     | 2.7            |

(c) There is no soil contamination within 4 feet of the ground surface that exceeds any of the direct contact soil contaminant concentrations for the substances listed in Table 2.

<u>Table 2</u> <u>Protection of Human Health from Direct Contact with</u> <u>Contaminated Soil</u>

| Substance               | <u>Soil Contaminant</u>        |
|-------------------------|--------------------------------|
|                         | <u>Concentrations</u>          |
|                         | (Top 4 ft of the soil) (mg/kg) |
| <u>Benzene</u>          | 1.10                           |
| 1.2-Dichloroethane (DCA | .). 0.54                       |

Release News

#### HAZARDOUS SUBSTANCE/WASTE RELEASES:

#### INTERIM SOIL CLEANUP GUIDELINES--PETROLEUM CONTAMINATION

#### DNR Closeout Action Soils Inaccessible or . . . accessible and not technically and economically Soil Type (2) Soils Accessible feasible BTEX (1) GRO/DRO Close Close Permeable <= NR 720 <= 100 ppm (K>10 E-6 cm/s)Less Permeable Close <= NR 720 <= 250 ppm Close (K <= 10 E - 6 cm/s)Require additional Close with consideration > applic. <= NR 720 of deed instrument work GRO/DRO according to guidelines or > NR 720 (1) BTEX: proposed criteria developed in preparation of NR 720: Benzene 5.5 ug/kg1500 ug/kg Toluene Ethylbenzene 2900 ug/kg Xylenes 4100 ug/kg 1,2-DCA4.9 ug/kg K: Saturated hydraulic conductivity (2)

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(22) "Wastewater and sludge storage or treatment lagoon" means a natural or man-made containment structure, constructed primarily of earthen materials for the treatment or storage of wastewater or sludge, which is not a land disposal system.

#### Subchapter II --- Groundwater Quality Standards

NR 140.10 Public health related groundwater stanclards. The groundwater quality standards for substances of public health concern are listed in Table 1.

wastewater or sludge, which is not a land disposal system. History: Cr. Register, Septenber, 1985, No. 357, eff. 10–1–85; cr. (1m), an (7), (17) and (18), Register, October, 1988, No. 394, eff. 11–1–88; an (6), cr. (20h) and (20m), Register, March, 1994, No. 459, eff. 4–1–94; cr. (1s), (10e), (10s), (20k), r. and recr. (12), (13), Register, August, 1995, No. 476, eff. 9–1–95; cr. (14m), Register, October, 1996, No. 490, eff. 11–1–96; an (20), Register, Deember, 1998, No. 516, eff. 1–1–99, correction in (9) mode under s. 13.93 (2m) (b) 7, Stats, Register, April, 2001, No. 544; CR 02–134; cr. (1u), (1w), (1y) and (20s) Register June 2003 No. 570, eff. 7–1–03.

Note: For all substances that have carcinogenic, mutagenic or teratogenic properties or interactive effects, the preventive action limit is 10% of the enforcement standard. The preventive action limit is 20% of the enforcement standard for all other substances that are of public health concern. Enforcement standards and preventive action limits for additional substances will be added to Table 1 as recommendations are developed pursuant to ss. 160.07, 160.13 and 160.15, Stats.

| <b>Ful</b>                                                               | Erfaunt Groundwater Quality Starkia | irus                                                                |
|--------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------|
| Substance <sup>1</sup>                                                   | per liter – except as noted)        | Preventive Action Limit (micrograms<br>per liter – except as noted) |
| Acetochlor                                                               | 7                                   | 0.7                                                                 |
| Acetochlor ethane sulfonic acid + oxanilic acid (Acetochlor – ESA + OXA) | 230                                 | 46                                                                  |
| Acetone                                                                  | 9 mg/1                              | 1.8 mg/1                                                            |
| Alachlor                                                                 | 2                                   | 0.2                                                                 |
| Alachlor ethane sulfonic acid<br>(Alachlor – ESA)                        | 20                                  | 4                                                                   |
| Aldicarb                                                                 | 10                                  | 2                                                                   |
| Aluminum                                                                 | 200                                 | 40                                                                  |
| Anmonia (as N)                                                           | 9.7 mg/l                            | 0.97 mg/l                                                           |
| Antimony                                                                 | 6                                   | 1.2                                                                 |
| Anthracene                                                               | 3000                                | 600                                                                 |
| Arsenic                                                                  | 10                                  | 1                                                                   |
| Asbestos                                                                 | 7 million fibers per liter (MFL)    | 0.7 MFL                                                             |
| Atrazine, total chlorinated residues                                     | 3 <sup>2</sup>                      | 0.3 <sup>2</sup>                                                    |
| Bacteria, Total Coliform                                                 | 03                                  | 03                                                                  |
| Barium                                                                   | 2 milligrams/liter (mg/l)           | 0.4 mg/l                                                            |
| Bentazon                                                                 | 300                                 | 60                                                                  |
| Benzene                                                                  | 5                                   | 0.5                                                                 |
| Benzo(b)fluoranthene                                                     | 0.2                                 | 0.02                                                                |
| Benzo(a)pyrene                                                           | 0.2                                 | 0.02                                                                |
| Beryllium                                                                | 4                                   | 0.4                                                                 |
| Boron                                                                    | 1000                                | 200                                                                 |
| Bromodichloromethane                                                     | 0.6                                 | 0.06                                                                |
| Bromoform                                                                | 4.4                                 | 0.44                                                                |
| Bromomethane                                                             | 10                                  | 1                                                                   |
| Butylate                                                                 | 400                                 | 80                                                                  |
| Cadmium                                                                  | 5                                   | 0.5                                                                 |
| Carbaryl                                                                 | 40                                  | 4                                                                   |
| Carbofuran                                                               | 40                                  | 8                                                                   |
| Carbon disulfide                                                         | 1000                                | 200                                                                 |
| Carbon tetrachloride                                                     | 5                                   | 0.5                                                                 |
| Chloramben                                                               | 150                                 | 30                                                                  |
| Chlordane                                                                | 2                                   | 0.2                                                                 |
| Chlorodifluoromethane                                                    | 7 mg/l                              | - 0.7 mg/l                                                          |
| Chloroethane                                                             | 400                                 | 80                                                                  |
| Chloroform                                                               | 6                                   | 0.6                                                                 |
| Chlorpyrifos                                                             | 2                                   | 0.4                                                                 |
| Chloromethane                                                            | 30                                  | 3                                                                   |
| Chromium (total)                                                         | 100                                 | 10                                                                  |
| Chrysene                                                                 | 0.2                                 | 0.02                                                                |

## Table 1

#### Public Health Groundwater Quality Standards

Register, December, 2010, No. 660

## Unofficial Text (See Printed Volume). Current through date and Register shown on Title Page.

| Pub                                         | lic Health Groundwater Quality Standa                            | rds                                                                 |
|---------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------|
| Substance <sup>t</sup>                      | Enforcement Standard (micrograms<br>per liter — except as noted) | Preventive Action Limit (micrograms<br>per liter – except as noted) |
| Cobalt                                      | 40                                                               | 8                                                                   |
| Copper-                                     | 1300                                                             | 130                                                                 |
| Cyanazine                                   | 1                                                                | 0.1                                                                 |
| Cyanide, free <sup>4</sup>                  | 200                                                              | 40                                                                  |
| Dacthal                                     | 70                                                               | 14                                                                  |
| 1,2-Dibromoethane (EDB)                     | 0.05                                                             | 0.005                                                               |
| Dibromochloromethane                        | 60                                                               | 6                                                                   |
| 1,2-Dibromo-3-chloropropane (DBCP)          | 0.2                                                              | 0.02                                                                |
| Dibutyl phthalate                           | 1000                                                             | 100                                                                 |
| Dicamba                                     | 300                                                              | 60                                                                  |
| 1,2-Dichlorobenzene                         | 600                                                              | 60                                                                  |
| 1,3-Dichlorobenzene                         | 600                                                              | 120                                                                 |
| 1,4-Dichlorobenzene                         | 75                                                               | 15                                                                  |
| Dichlorodifluoromethane                     | 1000                                                             | 200                                                                 |
| . l. 1-Dichloroethane                       | 850                                                              | 85                                                                  |
| 1,2-Dichloroethane                          | 5                                                                | 0.5                                                                 |
| 1,1-Dichloroethylene                        | 7                                                                | 0.7                                                                 |
| 1,2-Dichloroethylene (cis)                  | . 70                                                             | 7                                                                   |
| 1,2-Dichloroethylene (trans)                | 100                                                              | 20                                                                  |
| 2,4-Dichlorophenoxyacetic Acid (2,4-D)      | 70                                                               | 7                                                                   |
| 1,2-Dichloropone                            | 5                                                                | 0.5                                                                 |
| 1,3-Dichloropropene (cis/trans)             | 0.4                                                              | 0.04                                                                |
| Di (2-ethylhexyl) phthalate                 | 6                                                                | 0.6                                                                 |
| Dimethenamid/Dimethenamid-P                 | 50                                                               | 5                                                                   |
| Dimethoate                                  | 2                                                                | 0.4                                                                 |
| 2,4-Dinitrotoluene                          | 0.05                                                             | 0.005                                                               |
| 2,6-Dinitrotoluene                          | 0.05                                                             | 0,005                                                               |
| Dinitrotoluene, Total Residues <sup>5</sup> | 0.05                                                             | 0.005                                                               |
| Dinoseb                                     | 7                                                                | 1.4                                                                 |
| 1,4-Dioxane                                 | 3                                                                | 0.3                                                                 |
| Dioxin (2, 3, 7, 8-TCDD)                    | 0.00003                                                          | 0.000003                                                            |
| Endrin                                      | 2                                                                | 0.4                                                                 |
| EPTC                                        | 250                                                              | 50                                                                  |
| Ethylbenzene                                | 700                                                              | 140                                                                 |
| Ethyl ether                                 | 1000                                                             | 100                                                                 |
| Ethylene glycol                             | 14 mg/l                                                          | 2.8 mg/l                                                            |
| Fluoranthene                                | 400                                                              | 80                                                                  |
| Fluorene                                    | 400                                                              | 80                                                                  |
| Fluoride                                    | 4 mg/l                                                           | 0.8 mg/l                                                            |
| Fluorotrichloromethane                      | 3490                                                             | 698                                                                 |
| Formaldehyde                                | 1000                                                             | 100                                                                 |
| Heptachlor                                  | 0.4                                                              | 0.04                                                                |
| Heptachlor epoxide                          | 0.2                                                              | 0.02                                                                |
| Hexachlorobenzene                           | 1                                                                | 0.1                                                                 |
| N-Hexane                                    | 600                                                              | 120                                                                 |
| Hydrogen sulfide                            | 30                                                               | 6                                                                   |
| Lead                                        | 15                                                               | 1.5                                                                 |
| Lindane                                     | 0.2                                                              | 0.02                                                                |
| Manganese                                   | 300                                                              | 60                                                                  |
| Mercury                                     | 2                                                                | 0.2                                                                 |

#### Table 1 – Continued ic Health Groundwater Quality Standa

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| Public Health Groundwater Quality Standards                                |                            |                             |  |  |
|----------------------------------------------------------------------------|----------------------------|-----------------------------|--|--|
| Enforcement Standard (micrograms Preventive Action Limit (micro            |                            |                             |  |  |
| Substance                                                                  | per mer – except as noted) | per nier – except as noted) |  |  |
| IVERANOI                                                                   | 5000                       | 1000                        |  |  |
| Methoxychior                                                               | 40                         | 4                           |  |  |
| Methylene chloride                                                         | 5                          | 0.5                         |  |  |
| Methyl ethyl ketone (MEK)                                                  | 4 mg/l                     | 0.8 mg/i                    |  |  |
| Methyl isobutyl ketone (MIBK.)                                             | 500                        | 50                          |  |  |
| Methyl tert-butyl ether (MTBE)                                             | 60                         | 12                          |  |  |
| Metolachlor/s-Metolachlor                                                  | 100                        | 10                          |  |  |
| Metolachlor ethane sulfonic acid + oxanilic acid (Metolachlor – ESA + OXA) | 1.3 mg/l                   | 0.26 mg/l                   |  |  |
| Metribuzin                                                                 | 70                         | 14                          |  |  |
| Molybdenum                                                                 | 40                         | 8                           |  |  |
| Monochlorobenzene                                                          | 100                        | 20                          |  |  |
| Naphthalene                                                                | 100                        | 10                          |  |  |
| Nickel                                                                     | 100                        | 20                          |  |  |
| Nitrate (as N)                                                             | 10 mg/l                    | 2 mg/l                      |  |  |
| Nitrate + Nitrite (as N)                                                   | 10 mg/l                    | 2 mg/l                      |  |  |
| Nitrite (as N)                                                             | 1 mg/1                     | 0.2 mg/l                    |  |  |
| N-Nitrosodiphenylamine                                                     | 7                          | 0.7                         |  |  |
| Pentachlorophenol (PCP)                                                    | 1                          | 0.1                         |  |  |
| Perchlorate                                                                | · 1                        | 0.1                         |  |  |
| Phenol                                                                     | 2 mg/l                     | 0.4 mg/l                    |  |  |
| Picloram                                                                   | 500                        | 100                         |  |  |
| Polychlorinated biphenyls (PCBs)                                           | 0.03                       | 0.003                       |  |  |
| Prometon                                                                   | - 100                      | 20                          |  |  |
| Propazine                                                                  | 10                         | 2                           |  |  |
| Ругепе                                                                     | 250                        | 50                          |  |  |
| Pyridine                                                                   | 10                         | 2                           |  |  |
| Selenium                                                                   | 50                         | 10                          |  |  |
| Silver                                                                     | 50                         | 10                          |  |  |
| Simazine                                                                   | 4                          | 0.4                         |  |  |
| Styrene                                                                    | 100                        | 10                          |  |  |
| Tertiary Butyl Alcohol (TBA)                                               | 12                         | 1.2                         |  |  |
| 1,1,1,2-Tetrachloroethane                                                  | 70                         | 7                           |  |  |
| 1,1,2,2-Tetrachloroethane                                                  | 0.2                        | 0.02                        |  |  |
| Tetrachloroethylene                                                        | 5                          | 0.5                         |  |  |
| Tetrahydrofiuran                                                           | 50                         | 10                          |  |  |
| Thallium                                                                   | 2                          | 0.4                         |  |  |
| Toluene                                                                    | 800                        | 160                         |  |  |
| Toxaphene                                                                  | 3                          | 0.3                         |  |  |
| 1.2.4-Trichlorobenzene                                                     | 70                         | 14                          |  |  |
| L1_1-Trichloroethane                                                       | 200                        | 40                          |  |  |
| 1.1.2—Trichloroethane                                                      |                            | 0.5                         |  |  |
| Trichlomethylene (TCF)                                                     | 5                          | 0.5                         |  |  |
| 2,4,5Trichlorophenoxy-propionic acid<br>(2,4,5TP)                          | . 50                       | 5                           |  |  |
| 1,2,3-Trichloropropane                                                     | 60                         | 12                          |  |  |
| Trifluralin                                                                | 7.5                        | 0.75                        |  |  |
| Trimethylbenzenes                                                          | 480                        | 96                          |  |  |
| (124 and 125 continue                                                      | .00                        | 20                          |  |  |
| List and is to whole the                                                   | 20                         | 6                           |  |  |
| variacituiti                                                               | JU                         | U                           |  |  |

## Table 1 – Continued

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#### Unofficial Text (See Printed Volume). Current through date and Register shown on Title Page,

| Table 1 — Continued<br>Public Health Groundwater Quality Standards |                                                                |                                                                     |  |
|--------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------|--|
| Substance <sup>1</sup>                                             | Enforcement Standard (micrograms<br>per liter except as noted) | Preventive Action Limit (micrograms<br>per liter – except as noted) |  |
| Vinyl chloride                                                     | 0.2                                                            | 0.02                                                                |  |
| Xylene <sup>6</sup>                                                | 2 mg/l                                                         | 0.4 mg/l                                                            |  |

<sup>1</sup> Appendix I contains Chemical Abstract Service (CAS) registry numbers, common synonyms and trade names for most substances listed in Table 1.

<sup>2</sup> Total chlorinated atrazine residues includes parent compound and the following metabolites of health concern: 2-chloro-4-amino-6-isopropylamino-s-triazine (formerly deethylatrazine), 2-chloro-4-amino-6-ethylamino-s-triazine (formerly deisopropylatrazine) and 2-chloro-4,6-chamino-s-triazine (formerly diaminoatrazine).

<sup>3</sup> Total coliform bacteria may not be present in any 100 m<sup>3</sup> sample using either the membrane filter (MF) technique, the presence absence (P-A) coliform test, the minimal medium ONPG-MUG (MMO-MUG) test or not present in any 10 m<sup>3</sup> portion of the 10-tube multiple tube fermentation (MTF) technique.

4"Oyanide, free" refers to the simple cyanides (HCN, CN) and /or readily dissociable metal-cyanide complexes. Free cyanide is regulatorily equivalent to cyanide quantified by approved analytical methods for "amenable cyanide" or "available cyanide".

<sup>3</sup> Dinitrotoluene, Total Residues includes the dinitrotoluene (DNI) isomens: 2,3-DNT, 2,4-DNT, 2,5-DNT, 2,6-DNT, 3,4-DNT and 3,5-DNT.

6 Xylene includes meta-, ortho-, and para-xylene combined.

History: Cr. Register, September, 1985, No. 357, eff. 10–1–85; am table 1, Register, October, 1988, No. 394, eff. 11–1–88; am table 1, Register, September, 1990, No. 417, eff. 10–1–90; am Register, January, 1992, No. 433, eff. 2–1–92; am Table 1, Register, Narch, 1994, No. 459, eff. 4–1–94; am Table 1, Register, August, 1995, No. 476, eff. 9–1–95; am Table 1, Register, Correct enter, 1998, No. 516, eff. 1–1–92; am Table 1, Register, Docember, 1998, No. 516, eff. 12–31–99; am Table 1, Register, March, 2000, No. 531, eff. 4–1–00; CR 03–063; am Table 1, Register February 2004 No. 578, eff. 3–1–04; CR 02–095; am Table 1, Register November 2006 No. 611, eff. 12–1–05; reprinted to correct entors in Table 1, Register January 2007 No. 613; CR 07–034; am Table 1 Register January 2008 No. 625, eff. 2–1–03; CR 09–102; am Table 1 Register December 2010 No. 660, eff. 1–1–11.

NR 140.12 Public welfare related groundwater standards. The groundwater quality standards for substances of public welfare concern are listed in Table 2.

Note: For each substance of public welfare concern, the preventive action limit is 50% of the established enforcement standard.

#### Table 2

Public Welfare Groundwater Quality Standards

| Substance                                                 | Enforcement Standard (milligrams<br>per liter — except as noted) | Preventive Action Limit (milligrams<br>per liter – except as noted) |
|-----------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------|
| Chloride                                                  | 250                                                              | 125                                                                 |
| Color                                                     | 15 color units                                                   | 7.5 color units                                                     |
| Foaming agents MBAS<br>(Methylene Blue Active Substances) | 0.5                                                              | 0.25                                                                |
| Iron                                                      | 0.3                                                              | 0.15                                                                |
| Manganese                                                 | 0.05                                                             | 0.025                                                               |
| Odor                                                      | 3                                                                | 1.5                                                                 |
|                                                           | (Threshold Odor No.)                                             | (Threshold Odor No.)                                                |
| Sulfate                                                   | 250                                                              | 125                                                                 |
| Zinc                                                      | 5                                                                | 2.5                                                                 |

History: Or. Register, September, 1985, No. 357, eff. 10-1-85; an table 2, Register, October, 1990, No. 418, eff. 11-1-90; am Table 2, Register, March, 1994, No. 459, eff. 4-1-94.

NR 140.14 Statistical procedures. (1) If a preventive action limit or an enforcement standard for a substance listed in Table 1 or 2, an alternative concentration limit issued in accordance with s. NR 140.28 or a preventive action limit for an indicator parameter established according to s. NR 140.20 (2) is attained or exceeded at a point of standards application:

(a) The owner or operator of the facility, practice or activity at which a standard is attained or exceeded shall notify the appropriate regulatory agency that a standard has been attained or exceeded; and

(b) The regulatory agency shall require a response in accordance with the rules promulgated under s. 160.21, Stats. No response shall be required if it is demonstrated to the satisfaction of the appropriate regulatory agency that a scientifically valid determination cannot be made that the preventive action limit or enforcement standard for a substance in Table 1 or 2 has been attained or exceeded based on consideration of sampling procedures or laboratory precision and accuracy, at a significance level of 0.05.

(2) The regulatory agency shall use one or more valid statistical procedures to determine if a change in the concentration of a substance has occurred. A significance level of 0.05 shall be used for all tests. (3) In addition to sub. (2), the following applies when a preventive action limit or enforcement standard is equal to or less than the limit of quantitation:

(a) If a substance is not detected in a sample, the regulatory agency may not consider the preventive action limit or enforcement standard to have been attained or exceeded.

(b) If the preventive action limit or enforcement standard is less than the limit of detection, and the concentration of a substance is reported between the limit of detection and the limit of quantitation, the regulatory agency shall consider the preventive action limit or enforcement standard to be attained or exceeded only if:

 The substance has been analytically confirmed to be present in the same sample using an equivalently sensitive analytical method or the same analytical method, and

 The substance has been statistically confirmed to be present above the preventive action limit or enforcement standard, determined by an appropriate statistical test with sufficient samples at a significance level of 0.05.

(c) If the preventive action limit or enforcement standard is between the limit of detection and the limit of quantitation, the regulatory agency shall consider the preventive action limit or LUST Investigation Field Procedures Workplan - METCO Hanson Electric

## **APPENDIX E/PROJECT DOCUMENTS**

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## Received BNR Spooner 'DO Jin 7 PM 2 21

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Tank Closure And Environmental Site Assessment Report For Arlan Hanson 613 Hwy. 35 Osceola, WI 54020

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Site:

Hanson Electric 613 Hwy. 35 Osceola, WI 54020

November 1999

ennor Mark Iverson

CSA #46672

Cedar Corporation Project #1964-0014-303-01

Cedar Corporation 604 Wilson Avenue Menomonie, WI 54751

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I. Ownership and Personnel Involved

II. Background Information

III. Tank Closure

IV. Cleaning Wastes

V. Environmental Assessment

VI: Standard of Care

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Soil Sample - Field and Analytical Results

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Appendix A-Site Assessor CertificationAppendix B-Field ProceduresAppendix C-Analytical ResultsAppendix D-Tank Inventory Form (SBD-7437)

#### 1.

#### OWNERSHIP AND PERSONNEL INVOLVED

In September 1999, Cedar Corporation provided environmental site assessment consulting services during the closure of one underground storage tank located at Hanson Electric. The site is located on Hwy. 35 South south of Osceola, WI (Figure 1).

Tank Location:

Hanson Electric 613 Hwy. 35 Osceola, WI 54020

NW 1/4 of SW 1/4, Sec. 34, Towr ship 33 N, Range 19 W

Tank Owner:

Arlan Hanson 613 Hwy. 35 Osceola, WI 54020 Phone: 715-294-3119

Engineering/Tank Cleaning Services: River Oil Company 448 Hwy. 35, P.O. Box 216 Somerset, WI 54025 Phone: 715-247-3383

Certified Tank Removal and Cleaning Technicians: Richard Leverty Certification No.: 656295

Tank Inspector or Third Party:

~ \*\*

Randy Shervey 13143 County Hwy. OO Chippewa Falls, WI 54729-7377 Phone: 715-723-0607 LPO #: 00010

Site Assessment Services:

Cedar Corporation 604 Wilson Avenue Menomonie, WI 54751

Certified Site Assessor:

Mark Iverson Certification #: 46672 Copy of Certification as Appendix A





## II. BACKGROUND INFORMATION

Property Use:

The property is the current location of the Hanson Electric shop and office.

Tanks:

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. . . . . . . . .

| Tank ID # | Size | Contents | Capacity | Status               |
|-----------|------|----------|----------|----------------------|
| 324965    | 1000 | Unleaded | 100()    | Abandoned<br>Removed |

Previous Geotechnical Investigations:

No known geotechnical investigations have been completed on the property.

## III. TANK CLOSURE INFORMATION

Observations:

| Free Product  | N | Excavation Depth 7.5 fl. |  |
|---------------|---|--------------------------|--|
| Soil Staining | N | Free Standing Water N    |  |
| Soil Odors    | Y |                          |  |

Tank and Piping Conditions:

| Pitted | N | Holed          | Ν  |
|--------|---|----------------|----|
| Rusted | Y | Coating Intact | ŇA |

Other Observations: The tank appeared to be in good condition. There were no visible pitts or holes.

## IV. <u>CLEANING WASTES</u>

Cleaning and disposal of the tank and piping was completed by Riverview Oil. The cleaning wastes were also collected and transported by Riverview Oil.

### ENVIRONMENTAL ASSESSMENT

Two soil samples were collected beneath the tank at six feet be ow ground surface (bgs). An addition sample was collected at 7.5 feet bgs. Samples could not be collected beyond this due to the extremely hard nature of the limestone. Obvious contamination did not limit sample collection.

Sample Method Field: Lab: PID GRO and PVOC

Laboratory:

Test America 602 Commerce Drive Watertown, WI 53094 Phone: 920-261-1660 WI DNR Certification No. 128053530

#### SAMPLE ID DEPTH FT. PID I.U. GRO PPM **MOISTURE %** 6 0 1 <6.1 18.6 2 6 2120 424 17.43 7 172 ⊷ 4 7.5 146 15 14.3

#### TABLE OF RESULTS

Results of Assessment:

Analytic results indicate that a release has occurred from the pet oleum system at Hanson Electric. The DNR has been notified of the release.

## VI. <u>STANDARD OF CARE</u>

Cedar Corporation has completed the work described within this report and warrants its contents to be factual. The analytical results are reported within the limits of the methods employed to provide analyses for the various compounds tested. No guarantee or warranty is expressed or implied of the conclusions forwarded ir this report.

V.

## ANALYTICAL AND QUALITY CONTROL REPORT

Test/America

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751

#### 10/04/199

Job No: 99.08492

Page 1 of 4

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

| Sample<br>Number | Sa | mple Description            | . Date<br>Taken | Date<br>Received |
|------------------|----|-----------------------------|-----------------|------------------|
| 366739           | #1 | #1964-0014-303-01 Riverview | 09/22/1999      | 09/24/1999       |
| 366740           | #2 | #1964-0014-303-01 Riverview | 09/22/1999      | 09/24/1999       |
| 366741           | #4 | #1964-0014-303-01 Riverview | 09/22/1999      | 09/24/1999       |

Soil results are reported on a dry weight basis. The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

- A = Analyzed/extracted past hold time
- C = Standard outside of control limits
- F = Sample filtered in lab
- H = Late eluting hydrocarbons present
- J =Estimated concentration
- M = Matrix interference
- A MACKEN ENCOLLOG
- Q = Result confirmed via re-analysis
- T = Does not match typical pattern
- X = Unidentified compound(s) present

- B = Blank is contaminated
- D = Diluted for analysis
- G = Received past hold time
- I = Improperly handled sample
- L = Common lab solvent and contaminant
- P = Improperly preserved sample
- S = Sediment present
- W = BOD re-set due to missed dilution
- Z = Internal standard outside limits

Brian DeJong Organic Operations Manager

602 COMMERCE DRIVE / WATERTOWN, WI 53094 / 920-261-1660 / FAX: 1120-261-8120 WORR No. 128053530

# Test America

## ANALYTICAL REPORT

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751 10/04/1999 Job No: 99.08492 Sample No: 366739 Accoun: No: 13800 Page 2 of 4

JOB DESCRIPTION: #1964-0014-303-01 Riverview Oil PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: #1 #1964-0014-303-01 Riverview Rec'd on ice

Date/Time Taken: 09/22/1999 08:40

Date Received: 09/24/1999

| Parameter                          | Result: | s Units     | Reporting<br>Limit | )<br>Method | Date<br>Analyzed | Prep/Ru <sup>4</sup><br>Batch |
|------------------------------------|---------|-------------|--------------------|-------------|------------------|-------------------------------|
| Solids, Total<br>PVOC - NONAQUEOUS | B1.4    | <b>\$</b> 4 | n/a                | EW 5030     | 09/30/1999       | 295                           |
| Benzene                            | <31     | ug/kg       | 25                 | SW 8020     | 10/01/1999       | 24                            |
| Ethylbenzene                       | <31     | ug/kg .     | 25                 | EW 8020     | 10/01/1999       | 24-                           |
| Methyl-t-butyl ether               | <31     | ug/kg       | 25                 | 10 W 802D   | 10/01/1999       | 249                           |
| Toluene                            | <31     | ug/kg       | 25                 | \$W 8020    | 10/01/1999       | 24                            |
| 1.2.4-Trimethylbenzene             | <31     | ug/kg       | 25                 | SW 8020     | 10/01/1999       | 24.                           |
| 1,3,5-Trimethylbenzene             | <31     | ug/kg       | 25                 | SW 8020     | 10/01/1999       | 24특                           |
| Xylenes, Total                     | <92     | ug/kg       | 75                 | £W 8020     | 10/01/1999       | 245                           |
| GRO                                | <6,1    | mg/kg       | 5,0                | V DNR       | 10/01/1999       | 24!                           |
| Surr: Bromofluorobenzene           | 99.0    | 3.          | n/a                | EW 8020     | 10/01/1999       | 24!                           |
|                                    |         |             | ,                  |             |                  |                               |



## ANALYTICAL REPORT

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751

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10/04/1999 Job No: 99.08492 Sample No: 366740 Account No: 13800 Page 3 of 4

JOB DESCRIPTION: #1964-0014-303-01 Riverview Oil PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: #2 #1964-0014-303-01 Riverview Rec'd on ice

Date/Time Taken: 09/22/1999 08:45

Date Received: 09,

09/24/1999

| Parameter                          | Result  | s Units | Reporting<br>Limit | 9<br>Method | Date<br>Analyzed | Prep/Rui.<br>Batch |
|------------------------------------|---------|---------|--------------------|-------------|------------------|--------------------|
| Solids, Total<br>PVOC - NONAQUEOUS | 82.6    | 8       | n/a                | ()W 5030    | 09/30/1999       | 295                |
| Benzene                            | 1,210   | ug/kg   | 25                 | ()W 8020    | 10/01/1999       | 245                |
| Ethylbenzene                       | 2,420   | ug/kg   | 25                 | HW 8020     | 10/01/1999       | 245                |
| Methyl-t-butyl ether               | <600    | ug/kg   | 25                 | :W 8020     | 10/01/1999       | 245                |
| Toluene                            | 8,350 ' | ug/kg   | 25                 | HW 8020     | 10/01/1999       | 245                |
| 1,2,4-Trimethylbenzene             | 23,000  | ug/kg   | 25                 | SW 8020     | 10/01/1999       | 245                |
| 1,3,5-Trimethylbenzene             | 10,000  | ug/kg   | 25                 | BW 8020     | 10/01/1999       | - 245              |
| Xylenes, Total                     | 36,300  | ug/kg   | 75                 | IW 8020     | 10/01/1999       | . 245              |
| GRO                                | I 424   | mg/kg   | 5.0                | IDNR        | 10/01/1999       | 245                |
| Surr: Bromofluorobenzene           | 86.5    | ₩<br>₩  | n/a                | HW 8020     | 10/01/1999       | 245                |

Test America

## ANALYTICAL REPORT

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751

10/04/1999 Job No: 99 08492 Sample No: 366741 Account No: 13800 Page 4 of 4

JOB DESCRIPTION: #1964-0014-303-01 Riverview Oil PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: #4 #1964-0014-303-01 Riverview Rec'd on ice

Date/Time Taken: 09/22/1999 08:50

Date Received:

09/24/1999

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| Parameter                          | Resu. | lts Units | Reportin<br>Limit | g<br>Method | Date<br>Analyzed | Prep/Run<br>Batch |
|------------------------------------|-------|-----------|-------------------|-------------|------------------|-------------------|
| Solids, Total<br>PVOC - NONAQUEOUS | 85.7  | 왙         | n/a               | W 5030      | 09/30/1999       | 295               |
| Begzene                            | <29   | ug/kg     | 25                | SW 8020     | 10/01/1999       | 2. ;.             |
| Ethylbenzene                       | 50    | ug/kg     | 25                | JW 8020     | 10/01/1999       | 2                 |
| Methyl-t-butyl ether               | <29   | ug/kg     | 25                | SW 8020     | 10/01/1999       | 245               |
| Toluene                            | 100   | ug/kg     | 25                | JW 8020     | 10/01/1999       | 215,              |
| 1,2,4-Trimethylbenzene             | 1,030 | ug/kg     | 25                | JW 8020     | 10/01/1999       | 2. 4              |
| 1,3,5-Trimethylbenzene             | 502   | ug/kg     | 25                | JW 8020     | 10/01/1999       | 2                 |
| Xylenes, Total                     | 957   | ug/kg     | 75                | SW 8020     | 10/01/1999       | 245               |
| GRO H                              | 15    | mg/kg     | 5,0               | VDNR        | 10/01/1999       | 2454              |
| Surr: Bromofluorobenzene           | 97.0  | *         | n/a               | \$W 802.0   | 10/01/1999       | 21 4              |

| Po            | ot       | Am                                     | onioo                                 | COMP                                  |                  |               | DF       | <b>C</b>    |             | <b>Т(</b><br><i>сес</i> | DD       | Y                  |                                        | :CC          | <b>D</b> R           | D                | -                 | :                |              | 94:0            | D. S.4.9<br>REPORT                   | J-<br>TO: <u>CEDDE CARPER D</u>                                                                                  |
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|               |          |                                        | INCORPORATED                          | PHON                                  |                  | ( <u>15</u> - |          |             |             | N<br>N                  |          | <br>               | .043                                   | $-F_{n}$     | ×                    | 1 kc             | <u>، حج</u><br>اص | <u>6+6</u><br>1) |              |                 | INVOICE                              |                                                                                                                  |
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| JNU.          | TON OF   | - JAMPLE:                              | FIELD FILTERED? YES                   | /NO                                   |                  |               |          | VC          | DLAT:       | LES                     | FRE      | EQ                 | F HE                                   | ADSP/        | ACE?                 | YES              | /NO               | )                | ,            | Bo              | attles supplied                      | by LAB? YES / NO                                                                                                 |
| MPI           | .e Rem/  | NDER DISF                              | OSAL: RETURN SAMP                     |                                       |                  |               |          | JEN         |             |                         | £ A 18 C |                    |                                        |              |                      |                  |                   |                  |              | DATE            |                                      |                                                                                                                  |
|               |          |                                        | I REQUEST LA                          |                                       | -051             | = Ur          |          | . SAR       |             |                         |          |                    | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ |              |                      |                  |                   |                  |              |                 |                                      |                                                                                                                  |
| ilinoi<br>TTY | ISHED BY |                                        | 04TE TIME<br>9/73/99 14/20            | RECEIVE                               | UBY:             |               |          |             |             |                         |          |                    | HELR                                   | NOUISH       | ED BY                | ;                |                   |                  |              | DATE            | TIME 11' A-GA                        | RECEIVED FOR LAB BY:                                                                                             |
|               | TO OFO   |                                        | mary in 1400                          | DEMA                                  | ave.             | ·······       |          | <u> </u>    | ·····       |                         |          |                    |                                        |              |                      |                  |                   |                  |              | <u>n124.519</u> | 117.00                               | Lawyworks                                                                                                        |
| 2117          | 10 062   |                                        |                                       | I CLWAI                               | 11.2             |               |          |             |             |                         |          |                    |                                        |              |                      |                  |                   |                  |              |                 |                                      | - malant                                                                                                         |

|                                                          |                                           | OFFD                                                                                                            |                              |                    | i                      | PAGE Ø2                                |
|----------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------|--------------------|------------------------|----------------------------------------|
|                                                          | UNDER                                     | RGROUND                                                                                                         |                              | Saud C.            | dona i é la ce         | En un Ta                               |
| Reg Obla: 324465 FL                                      | AMMARI FICO                               | MRUSTIRIE                                                                                                       |                              | Departn            | tent of Ce             | Parm 10:                               |
|                                                          | STORAGET                                  |                                                                                                                 |                              | Buteau             | of Storag              | P Tank Regulatic                       |
| laform                                                   | ation Required By                         | Section 104 142 14                                                                                              |                              | P.O. Bo<br>Modinat | x 7037<br>- MULED 71   | י<br>דבמדי ללו                         |
| Underground tanks in Wisconsin that have stored          | DF CUITERIUV ALONE                        | y secular registrate v                                                                                          | VIII. Stats.<br>stad subviss | madisor            | I, YYI 5370            | J7-7837                                |
| loun is needed for each tank. Send each complete         | ied form to the ag                        | ency designated in                                                                                              | the too dust                 | Corport News       | egiAlerer              | 1 A separate                           |
| in gistered this tank by submitting a form? [] Yes       | X No If yes,                              | are you correcting/u                                                                                            | ind tinn i rio               | mabon any?         | you prev               |                                        |
| the redeletion police to a lock ball a de used for secon | idary purposes. [Pri                      | vacy Law, s. 15.04 (1)                                                                                          | (m)j                         |                    |                        |                                        |
| In Use                                                   |                                           | <b>—</b>                                                                                                        |                              | Fite De            | pariment               | providing lire                         |
| Nowly Installed                                          | d - Fank Kemoved                          | Owners!                                                                                                         | hip Charlige (h              | idicate sovera     | ge where               | tank is located                        |
| Abandoned with Product                                   | a "Timos min minti<br>atary Out of Sarvin | miste)nans tiewiowyn<br>n⊥Prmoviele Date:                                                                       | HOLINA HINDA                 |                    | r L Via                | lage /                                 |
| Abandoned without Product (emply)                        | ion with Water                            |                                                                                                                 |                              | - QITON            | n of O                 | Leola                                  |
| A. IDENTIFICATION (Please Print)                         |                                           |                                                                                                                 |                              |                    |                        |                                        |
| 1. Tank Site Name                                        | Site Address                              | •                                                                                                               |                              | Site Tel           | leohona h              | lumber                                 |
| Hanson Flectore                                          | 613                                       | Huy1 35                                                                                                         |                              | 1215               | -1291                  | 4-3119                                 |
| City Village LATown of:                                  | State                                     | ZIP CO                                                                                                          | 10                           | Countr             | 1-1                    |                                        |
| (rot min tor)                                            | W.L.                                      | 54                                                                                                              | 720                          | Po                 | 11C                    |                                        |
| 2. Tank Owner Name                                       | Mailing Addres                            | å                                                                                                               |                              | Telepho            | ine Numb               | dr                                     |
| Hrlan Hanson                                             | 613                                       |                                                                                                                 |                              | 1715               | 120                    | 34 -3/12                               |
| City Village Town of.                                    | State                                     | Zip Coc                                                                                                         | 10                           | County             |                        |                                        |
| DERCEILA                                                 |                                           |                                                                                                                 |                              | to.                | 1/C                    |                                        |
| 3. Previous Name                                         | Previous site ac                          | Idress if different than                                                                                        | *1                           |                    |                        |                                        |
|                                                          |                                           | , .e. <b>k</b>                                                                                                  |                              |                    |                        | a                                      |
| B SUB ID #                                               |                                           |                                                                                                                 |                              |                    |                        |                                        |
|                                                          | Packing in ht                             |                                                                                                                 | ······                       | Customer ID        | * 5                    |                                        |
| C. 4. Tank Age (age or date installed): / 9              |                                           | . ·                                                                                                             | Tank Capaci                  | ly (gallons):      | 00 ( )                 | , ,                                    |
| D. LAND OWNER TYPE (check one)                           |                                           | · · · · · · · · · · · · · · · · · · ·                                                                           |                              | · ·                |                        | ······································ |
| County Federal Lansed                                    | 🔲 Federal Owr                             | nod 🗌 Mu                                                                                                        | nicipa)                      | 🗋 Other Go         | wamman                 | t.                                     |
| X Private                                                | Tribal Nation                             | <u>i</u>                                                                                                        | <u></u>                      | ····               |                        |                                        |
| E. OCCUPANCY TYPE (check one)                            |                                           |                                                                                                                 |                              |                    |                        |                                        |
| Gas/Retail Sales Duik Storage DU                         | lity 🛛 Mu                                 | arcantile/Commarcial                                                                                            | 🔲 Indi str                   | ial 🗌 Sc           | hool                   | 🔲 Residential                          |
| E Yeak Construction-                                     |                                           | ner (Specity.)                                                                                                  | Inction C                    | water and          |                        | Van Si Na                              |
| DR Bare Sleet Construction.                              | Dakapwa                                   |                                                                                                                 | Anodes 77                    | Willin Protection  | 17                     |                                        |
| Fiberglass Steel - Fiberglass Reinf                      | orced Plastic Comp                        | osile     impinased                                                                                             | Current -                    | phi Containmen     | 17<br>                 |                                        |
| Lined (Date): Other (specify):                           | ·                                         |                                                                                                                 | ۱<br>ـــــر ـــــــ          | ank Double vall    |                        | - 1 1 68 <u>(81 3</u> 40               |
| I Inventory control and tightness testing                |                                           | utomatic pana gauging.<br>tersütial monitoring                                                                  |                              |                    | iowater m<br>1 mobilon | រាជាដល់លេខ្ល<br>ក្រោយសាល់ខ្ល           |
| Manual lank gauging (only for tanks of 1,000 gallons     | orless) 🗍 S                               | atistical Inventory Rec                                                                                         | 2) noiselean                 | R) Unkn            | аwл                    |                                        |
| H. Piping Construction:                                  |                                           | Cathodic Prote                                                                                                  | ction                        | Pine Double 1      | NoBod7                 | TYPE PINO                              |
| Bara Siee)     Coated Siee)                              | Unknown                                   | Sacrificial Ar                                                                                                  | nodes                        | Pipe Coulies       | AUNOUL                 |                                        |
|                                                          | LINA                                      |                                                                                                                 | UNBOL                        |                    |                        | · .                                    |
| 1 Reimary Dining System Type: Described on               | ian with == λ [ <sup>™</sup> ]            | auta shulaff B ( viz                                                                                            |                              | w residence        | 1 Infram               |                                        |
| Suction piping with check valve at tank                  | elion pining with ch                      | eck valve at pump and                                                                                           | finspeciab e                 |                    | Nol nee                | ded if waste oil                       |
| J. Piping Leak Detection Method: (used if pressurzed     | of chock valve at (                       | ank); [] 51R                                                                                                    | lighindan te                 | sting Ele          | ctronic lin            | ie leak monitor                        |
| Groundwater monitoring , U Vapor monitoring              | 🗌 Interstillal m                          | anilaring 🛛 🛛                                                                                                   | Not lednii cq                | 💭 Un               | หกอพภ                  |                                        |
| K, Vapor Recovery/Stage II CARB #:                       |                                           |                                                                                                                 | Dravida Da a i               | Moldovluri:        |                        | ·                                      |
| L. TANK CONTENTS (Current or orayious areadured          | j naviola<br>if Lank now emply            | ) Charatteria), i                                                                                               |                              |                    |                        |                                        |
| Diesel,                                                  |                                           | Unleaded                                                                                                        | . Ľ                          | Fuel Oil           | 🗍 Gasol                | nat                                    |
| Other (Specify):                                         |                                           | 🗍 Śand/Grave                                                                                                    | VSlurry [                    | Unknown"           | 🗍 Premi                | <b>X</b> . (                           |
| Waste/Used Motor Oil                                     | al la                                     | Kerosaus                                                                                                        | E                            | ) Avlation         | 🗍 Hazer                | dous Wasle"                            |
| (Indicate ch                                             | mical name and nur                        | nber)                                                                                                           |                              |                    |                        |                                        |
| If chosen, this lank is NOT PECFA eligible.              |                                           | 1680 Lanuas                                                                                                     |                              | I PRO LOUGI        |                        |                                        |
| M. II Jank Glosod, Abandoned of Out of Service, give     | i Dalo                                    | Max & Silo 20503511<br>                                                                                         | 401 0 <b>440 7</b> 200       | ihiereg (see te    |                        | = for upta(is);                        |
| 9-22-99                                                  |                                           | Y YOS SERIO                                                                                                     |                              |                    | •                      |                                        |
| Owning of Operator Name (closed orbitis                  |                                           |                                                                                                                 | Indicale                     | whather            |                        |                                        |
| United of Operation statute (province printing).         |                                           |                                                                                                                 |                              |                    |                        |                                        |
| DOG Junt                                                 |                                           |                                                                                                                 |                              | ar or 14-Ope       | #च10f                  |                                        |
| Owner or Operator Signature:                             |                                           |                                                                                                                 | Date Sig                     | nød                |                        |                                        |
| LOB QUIST                                                |                                           | مىرىيىتى مەركىيىتى مە | 12-3                         | 2-27               |                        | ·                                      |
| late: Refer to comments on reverse alde of form          | 1.                                        |                                                                                                                 |                              |                    |                        | •                                      |
| RS-7437 (R. 04128)                                       |                                           |                                                                                                                 |                              |                    |                        |                                        |
| · · · · · · · · · · · · · · · · · · ·                    |                                           |                                                                                                                 |                              |                    |                        |                                        |
|                                                          |                                           |                                                                                                                 |                              |                    |                        |                                        |

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| Wisconsin Department o<br>Labor and Human Relation<br>Complete one for<br>each site closure.              | f Industry,<br>ons<br>m for        | CHECKLIS<br>T<br>he Information you   | T FOR<br>ANK C                         | UNDER<br>LOSURE                          | GROUN<br>E<br>vother<br>≭ 15.04 (1) (    | RETUR<br>Safety<br>Fire Pre<br>Storag<br>P. O. Be | RN COMPLETED CHECKLIST TO<br>y & Buildings Division<br>revention & Underground<br>ge Tank Section<br>Box 7969, Madison, WI 53707 |                                        |                       |                                                                                  |                     |  |  |
|-----------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------|----------------------------------------|------------------------------------------|------------------------------------------|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------|----------------------------------------------------------------------------------|---------------------|--|--|
| A. IDENTIFICATION: (Ple<br>1. Site Name<br>Han son Flee<br>Slig Street Address (ngl P.O. E                | ase Print)                         | Indicate wheth                        | er closure                             | 2. Owner N<br>2. Owner N<br>Owner Street | Tank Sy:<br>Jame<br>10 / 1<br>St Address | stem<br>la <i>nis</i> c                           | דים<br>רידי                                                                                                                      | onk Onl                                | y L                   | ].Piping                                                                         | Only                |  |  |
| City . I VIII                                                                                             | <u>35</u>                          | Town of:                              |                                        |                                          | Villaga                                  | Tour                                              | ol:                                                                                                                              | State                                  |                       | Zip Code                                                                         | <u> </u>            |  |  |
| Fermington<br>Slate Z                                                                                     | ip Code                            | County                                | - •                                    | O-CC<br>County                           | 20/4                                     | Teler                                             | one No.                                                                                                                          | (Include ;                             | area coo              | 5402                                                                             | <u>5.</u> ,         |  |  |
| Le L                                                                                                      | 51020                              | POK                                   |                                        | P01/5                                    | -                                        |                                                   | 2/51                                                                                                                             | 294                                    | -31                   | 112                                                                              |                     |  |  |
| Buertey                                                                                                   | Or C                               | 0                                     | 448                                    | Harry Steel                              |                                          | -                                                 | P.C                                                                                                                              | 7,30                                   |                       | 216                                                                              | ſ                   |  |  |
| Closure Company Telephone N<br>(2/5) 24/2 - 7                                                             | io. (Include area (                | cpd8)                                 | Closure Com                            | pany City, St                            | ale, Zin Code                            | ر بوسی                                            | 25                                                                                                                               |                                        |                       |                                                                                  | :                   |  |  |
| 4. Name of Company Performing Closure Assessment Assessment Company Street Address, City, State, Zip Code |                                    |                                       |                                        |                                          |                                          |                                                   |                                                                                                                                  |                                        |                       |                                                                                  |                     |  |  |
| Telephone # (include area co                                                                              | del Cenilled Ass                   | COTPOENTIP.                           | $\sim co$                              | Assess                                   | sol                                      | 1                                                 | _ / [                                                                                                                            | enor                                   | Assess                | r Certificalio                                                                   | - 774-<br>n No.     |  |  |
| 1715 1235-908                                                                                             | 1 Mare                             | 14 Ivers                              | <u>chi</u>                             | <u> </u>                                 | 6l                                       | <u>Lun</u>                                        |                                                                                                                                  |                                        | 4                     | 0672                                                                             |                     |  |  |
| Tank ID #                                                                                                 | Closure                            | Temp, Closure                         | Closu                                  | re In Place                              | Tank Ca                                  | pacily                                            | Cont                                                                                                                             | ents *                                 | Close                 | ure Asses                                                                        | sment (             |  |  |
| <u>1.527765</u>                                                                                           | <u> </u>                           |                                       |                                        |                                          | 1400                                     | ,                                                 | 10                                                                                                                               | 2                                      |                       |                                                                                  |                     |  |  |
| 2.                                                                                                        |                                    |                                       | -                                      |                                          |                                          | <br>                                              |                                                                                                                                  | ······································ |                       |                                                                                  | ۱ <u>۲</u>          |  |  |
| 4.                                                                                                        |                                    | · · · · · · · · · · · · · · · · · · · |                                        | <b></b>                                  |                                          |                                                   |                                                                                                                                  |                                        |                       |                                                                                  | • {<br>4            |  |  |
| 5.                                                                                                        |                                    |                                       | · · ·                                  |                                          |                                          |                                                   |                                                                                                                                  |                                        |                       |                                                                                  | 1                   |  |  |
| 6.                                                                                                        |                                    |                                       |                                        |                                          |                                          |                                                   |                                                                                                                                  |                                        |                       |                                                                                  | <u>ı</u>            |  |  |
| * Indicate which product by<br>11-Waste oil; 13-Chemica                                                   | numeric code:<br>I (indicate the   | 01-Diesel; 02-L<br>chemical name(s    | eaded; 03-<br>s) or numb               | Unicadod; (<br>ers(s)                    | 04-Fuel Oil;                             | 05-G;s                                            | ohol; 06<br>                                                                                                                     | -Other;<br>14                          | 09-Uni<br>I-Keros     | known: 10-<br>ene; 15-Av                                                         | Premix;<br>riation. |  |  |
| Written notification was prov.<br>All local permits were obtain                                           | ided to the loc:<br>ed before begi | al agent 15 days<br>nning closure.    | in advance                             | e of closure                             | date. ,                                  | · · · · · · · ·                                   | <br>                                                                                                                             | • • • •                                | Ω<br>Ω-γ<br>Ω-γ       | N []<br>N                                                                        |                     |  |  |
| Check applicable box at                                                                                   | right in resp                      | onse to all st                        | atements                               | in Sectio                                | ns B - E                                 |                                                   |                                                                                                                                  | Ren<br>Ver                             | <u>never</u><br>ified | Inspecto<br>Verified                                                             | r <u>NA</u> [       |  |  |
| Written inspector approv                                                                                  | al of temporar                     | y closure obtaine                     | ed, which                              |                                          |                                          |                                                   |                                                                                                                                  |                                        |                       |                                                                                  | - (<br>             |  |  |
| 1. Product Hernoved                                                                                       | date)                              |                                       |                                        | · · · · · · · · · · · · · · · · · · ·    |                                          | • • • • • •                                       |                                                                                                                                  | ЦТ                                     | ГТИ                   | <b>ایہا</b>                                                                      | 45                  |  |  |
| a. Product lines drain                                                                                    | ed into teak (a                    | or other contained                    | ) and resu                             | iting liquid i                           | removed, A                               | ND                                                |                                                                                                                                  |                                        |                       |                                                                                  | фį                  |  |  |
| c. All product remove                                                                                     | d to within T                      | of bottom.                            |                                        |                                          | * * * * * * * * * *                      | *****                                             | ••••                                                                                                                             |                                        |                       | Ē                                                                                | ġ,                  |  |  |
| <ol> <li>Fill pipe, gauge pipe,</li> <li>All product lines at th</li> </ol>                               | ank truck vap<br>e islands or pu   | or recovery littin                    | gs, and va<br>swhere are               | removed a                                | nes capped.<br>Ind capped.               | , OFI                                             | · · · · · · ·                                                                                                                    |                                        |                       |                                                                                  | . 8                 |  |  |
| 4. Dispertsers/pumps la                                                                                   | It in place but I                  | locked and powe                       | r disconne                             | cled.                                    | ·Z                                       |                                                   | - • *                                                                                                                            |                                        |                       |                                                                                  | g                   |  |  |
| <ol> <li>ventimes lett open.</li> <li>Inventory form filed in</li> </ol>                                  | idicating temp                     | orary closure.                        | • • • • • • • • • •                    |                                          | · · · · · · · · · · · ·                  |                                                   | • - · <i>-</i> • •                                                                                                               | ΞΎ                                     | ИП                    |                                                                                  | <b>H</b>            |  |  |
| C. CLOSURE BY REMO                                                                                        | VAL                                |                                       | ······································ |                                          |                                          |                                                   |                                                                                                                                  |                                        |                       |                                                                                  |                     |  |  |
| 1. Product from piping of a Riming disconnection                                                          | trained into tan                   | ik (or other conta                    | iiner)                                 |                                          |                                          | • • • • • •                                       | ,                                                                                                                                |                                        |                       | E<br>E                                                                           |                     |  |  |
| 3. All liquid and residue                                                                                 | removed from                       | tank using explo                      | islon prop                             | pumps or l                               | hand pump                                | \$,· , , , .                                      | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,                                                                                           | ΞY                                     |                       |                                                                                  |                     |  |  |
| <ol> <li>All pump motors and</li> <li>Fill pipes, gauge pipe</li> </ol>                                   | suction hoses<br>s, vapor recov    | bonded to tank of ery connections,    | or otherwis<br>submersil               | e grounded<br>ble pumps a                | and other fi                             | ktures re                                         | moved                                                                                                                            | . XX Y                                 |                       | 50<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20<br>20 | ы<br>Ц              |  |  |
| NOTE: DHOP TUBE<br>THE USE OF AN EDI                                                                      | SHOULD NOT                         | r be removed                          | IF THE TA                              | NK IS TO                                 | be pvrge                                 | D THRC                                            | DUGH                                                                                                                             |                                        | <b>a</b> 1            |                                                                                  | ĺ                   |  |  |
| <ol> <li>Vent lines left connect</li> <li>Tank openings lemma</li> </ol>                                  | ted until tanks                    | purged                                | arounh ven                             | t                                        | • • • • • • • • • • •                    | ******                                            | ******                                                                                                                           | ۲ 🖸<br>۲ 🟹                             |                       | Ц<br>Р                                                                           |                     |  |  |
| 8. Tank almosphere red                                                                                    | uced to 10% c                      | of the lower flam                     | nable rang                             | e (LEL) - <u>s</u> e                     | a Saction I                              | F                                                 |                                                                                                                                  | βY                                     | ЧЦИ                   | īz                                                                               | Ē į                 |  |  |
| <ol> <li>1 ank removed from e<br/>to prevent movement</li> </ol>                                          |                                    |                                       |                                        |                                          |                                          |                                                   | ~                                                                                                                                |                                        |                       |                                                                                  |                     |  |  |
|                                                                                                           | xcavation after                    | PURGING/INEF                          |                                        | ced on love                              | l ground an                              |                                                   | ,                                                                                                                                | Ι2-Υ                                   | אם                    | Ø                                                                                |                     |  |  |
| 10, Tank cleaned before                                                                                   | excavation after<br>being removed  | being removed                         | from site.                             |                                          | l ground an                              | · · · · · · · ·                                   | <br>                                                                                                                             | NZ-Y<br>□Y                             | и []<br>И []<br>И     | 包                                                                                |                     |  |  |
| ť -                              | • • • • • • • • • • • • • • • • • • •                                                                                               | 10:40                                                                                                                    | 723-2153                                                                                               |                                                                                                                              | ԱԲԻՍ                                                                  |                                                       |                                             | PAGE                          | 04                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------|-------------------------------|----------------------|
| ) .<br>. (                       | CLOSURE BY I                                                                                                                        | REMOVAL (                                                                                                                | continued)                                                                                             |                                                                                                                              | ,                                                                     |                                                       | · <u>Remover</u><br>Verified                | Inspector<br>Verified         | NA                   |
| 11                               | . Tank labeled in<br>NOTE: COMP<br>FORMER CON                                                                                       | 1 2" high lette<br>LETE TANK<br>ITENTS; VAP                                                                              | ITS after removal                                                                                      | but before being move<br>DULD INCLUDE WARN<br>POR FREEING TREAT                                                              | d from site,<br>ING AGAINST RE<br>WENT; DATE                          | use;                                                  |                                             | B                             |                      |
| 12<br>13<br>  14                 | <ul> <li>Tank vent hole</li> <li>Inventory form</li> <li>Site security is</li> </ul>                                                | (1/8 th " in u<br>filed by owne<br>provided whi                                                                          | ppermost part o<br>er with Safety an<br>le the excavatio                                               | f lank) installed prior to<br>id Buildings Division ind<br>n is open.                                                        | moving the tank fr<br>licating closure by                             | rom site,                                             |                                             | NE                            |                      |
| 1, 0                             | CLOSURE IN P                                                                                                                        |                                                                                                                          |                                                                                                        | ALLOWED WITH THE                                                                                                             |                                                                       |                                                       |                                             |                               |                      |
| 1                                | OF THE DEPA<br>Product from p                                                                                                       | RTMENT OF                                                                                                                | INDUSTRY, LA into tank (or oth                                                                         | BOR AND HUMAN REI<br>er container),                                                                                          | ATIONS OR LOC                                                         | CAL AGENT.                                            |                                             |                               | <b></b> 1            |
| 3                                | All liquid and re<br>All pump motor<br>Fill pipes, gaug<br>NOTE: DROP                                                               | ected norm (a<br>asidule remov<br>rs and succieu<br>le pipes, vapo<br>TUBE SHOU                                          | the and removed<br>and from tank using<br>thoses bonded<br>ar recovery conr<br>LD NOT BE-REI           | ng explosion proof pum<br>to tank or otherwise gro<br>lections, submersible pu<br>MOVED IF THE TANK I<br>DTRUT 12 FT AROVE ( | ps or hand pumps<br>unded<br>Imps and other fix<br>S TO BE PURGEI     | s,<br>dures rer loved,<br>D THROUGH                   |                                             |                               |                      |
| 6.<br>7.<br>8.<br>9.             | Vent lines left c<br>Tank openings<br>Tank atmosphe                                                                                 | connected unit<br>temporarily p<br>tre reduced to<br>clean of to rec                                                     | Hanks purged.<br>lugged so vapo<br>10% of the low                                                      | rs exil (brough vent.<br>er flammable range (LE                                                                              | L) - <u>see Section F</u>                                             | · · · · · · · · · · · · · · · · · ·                   |                                             |                               |                      |
| 10.<br>11.<br>12.                | Solid Inert mate<br>Vent line discor<br>Inventory form                                                                              | erial (sand, cy<br>nnected or re<br>filed by owne                                                                        | clone boiler slag<br>moved<br>r with Salety an                                                         | a, pea gravel recommer<br>d Buildings Division Ind                                                                           | ided) Introduced a                                                    | nd tank tilled.<br>place.                             |                                             |                               |                      |
| C                                | LOSURE ASSI                                                                                                                         | ESSMENTS<br>MINE IF A C                                                                                                  | LOSURE ASSE                                                                                            | SSMENT IS REQUIRED                                                                                                           | BY REFERRING                                                          | i TO ILH 3 10.                                        |                                             |                               |                      |
| 1-<br>2,<br>3,<br>4,<br>5,<br>6, | Individual conduits used as the to<br>Do points of ob<br>Are there strong<br>Was a field scree<br>Was a closure ;<br>Was the DNA of | ucting the ass<br>basis for their<br>vlous contam<br>g odors in the<br>eening instrur<br>assessment o<br>notified of sus | work on the site<br>ination exist?<br>solls?<br>ment used to pre<br>mitted because<br>pected or obvior | closure assessment pla<br>be-screen soil sample loc<br>of obvious contaminations                                             | n (written) which<br>ations?                                          | · · · · · · · · · · · · · · · · · · ·                 |                                             |                               |                      |
| , i<br>7.                        | Contamination                                                                                                                       | suspected be                                                                                                             | cause of:                                                                                              | or D Soll Stalning D Fr                                                                                                      | ee Product∏ She                                                       | en On G oundwa                                        | ater 🔲 Fleid i                              | nstrument 1                   | i ost                |
|                                  | ETHOD OF A<br>Educator Or Dif<br>Eductor driver<br>Diffused air bl<br>Dry Ice<br>Dry Ice introdi                                    | CHIEVING 1<br>fused Air Blo<br>to by compres<br>ower bonded<br>uced at 1.5 or                                            | ID% LEVEL DI<br>wer<br>sed air, bonded<br>and drop tube r<br>bunds per 100 d                           | ESCRIPTION<br>and drop tube left in pla<br>emoved. Air pressure<br>allons of tank capacity.                                  | ace; vapors discha<br>not exceeding 5 p<br>Dry ice crished            | arged minimum o<br>isig.<br>and dist tibuted o        | of 12 feet abo                              | ve ground,<br>est oossible    | a tank               |
| ,<br><b>(</b>                    | area. Dry Ice                                                                                                                       | evaporated t                                                                                                             | before procéedir                                                                                       | IG.<br>IG.<br>ISES PRODUCE AN O                                                                                              |                                                                       | T ATM()SPHER                                          |                                             | NK MAY NC                     | T BE                 |
|                                  | ENTERED IN<br>Gas introduce<br>Gas introduce<br>Tank atmospher<br>Calibrate com                                                     | THIS STATE<br>d through a s<br>d under low p<br>re monitored<br>bustible gas i                                           | WITHOUT SPE<br>ingle opening at<br>ressure not to e<br>for flammable o<br>ndicator. Orop               | CIAL EQUIPMENT<br>a point near the bottom<br>xceed 5 pstg to reduce<br>r combustible vapor lev<br>tube removed prior to c    | of the tank at the<br>static electricity.<br>els.<br>hecking atmosphe | end of the tank<br>Gas introducing<br>ere. Tank space | opposite the<br>device group<br>monitored a | vent.<br>nded.<br>t bottom, m | Iddle.               |
| ÷                                | and upper por<br>ground.                                                                                                            | tion of tank.                                                                                                            | Readings of 10                                                                                         | % or less of the lower fl                                                                                                    | ammable range (L                                                      | -EL) obtained be                                      | fore removing                               | j tarik from                  |                      |
| N                                | OTE SPECIFIC F                                                                                                                      | ROBLEMS (                                                                                                                | DA NONCOMPL                                                                                            | IANCE ISSUES BELOV                                                                                                           | Y                                                                     |                                                       |                                             |                               |                      |
| R                                | MOVER/CLEAN                                                                                                                         | IER INFORM                                                                                                               | ATION                                                                                                  | 1/1/15                                                                                                                       |                                                                       |                                                       |                                             |                               | ن <del>یطفی</del> ید |
| i A                              | inchard,<br>amover Name (pr                                                                                                         | A-Lei                                                                                                                    | 10 Aug                                                                                                 | emover Signature                                                                                                             |                                                                       | Hemo' er Certi                                        | 15 fication No.                             | A.Z.Z.r<br>Date Signed        | 99<br>               |
| 小小                               | SPECTOR INF                                                                                                                         | ORMATIO                                                                                                                  | N                                                                                                      | 0 -                                                                                                                          | A /                                                                   | سيري الشيرين الثلي من يسب                             |                                             |                               |                      |
| TA<br>Int                        | UDY SHER<br>Spector Name (pr                                                                                                        | <u>v 271</u><br>rint)                                                                                                    |                                                                                                        | (Inspector Signatu                                                                                                           | theway                                                                |                                                       | SS767<br>Inspector Cer                      | tilication No                 |                      |
| FI                               | VID # For Locatio                                                                                                                   | n Where Insp                                                                                                             | ection Performe                                                                                        | d Inspector Telepho                                                                                                          | Done Number                                                           |                                                       | Date Signed                                 | 77                            |                      |
| . <del>Malandal</del>            |                                                                                                                                     | -                                                                                                                        |                                                                                                        | SAFETY AND BUI                                                                                                               | DINGS                                                                 |                                                       |                                             |                               |                      |

LUST Investigation Field Procedures Workplan - METCO Hanson Electric

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## APPENDIX F/HEALTH AND SAFETY PLAN

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|                                                                                          | SAFETY PLAN INFORMATI                                                                                                 | ON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                        |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Code: METCO                                                                              | METCO Project No: C2013                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |
| Company Name: METCO                                                                      |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | a ta f                                                 |
| Contact:                                                                                 |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |
| Last Name: Powell                                                                        | First Name: Ja                                                                                                        | ason and a state of the state o |                                                        |
| Salutation: MR.                                                                          |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |
| P.O. Box                                                                                 | Street: 1421 Sta                                                                                                      | ite Road 16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                        |
| City: La Crosse                                                                          | State                                                                                                                 | Zip Code: 54601-0000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                        |
| Area code: 608                                                                           | Phone: 781-8879                                                                                                       | 9 Fax: (608)781-8893                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                        |
|                                                                                          | SITE INFORMATION                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |
| Site Name: Hanson Electric                                                               | ene an an tha an an teath the energy de letter and the second second second second second second second second s<br>• |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |
| Site 613 State Highv                                                                     | ייין איז אראי איז איז איז איז איז איז איז איז איז א                                                                   | Site Address City: Osceola                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ی در ۲۰۱۹<br>۱۹۹۹ ۲۰۱۹ در ۱۹<br>۱۹۹۹ ۲۰۱۹<br>۱۹۹۹ ۲۰۱۹ |
| Address:<br>Site Address State: WI                                                       | Site Address Zip Code: 54020                                                                                          | Site Address County: Polk                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                        |
| WDNR Contact: Phil Rid                                                                   | chard                                                                                                                 | Fire Dept. Contact: Osceola                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                        |
| Project Date: 8/11/2011                                                                  | Tai                                                                                                                   | nk Removal Contractor:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                        |
| General Contractor: METCO                                                                |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Lingua                                                 |
| en<br>11. – Standard Mallander, son en<br>17. Herender, son stall Mallander, son son son |                                                                                                                       | A Marine Andrewski († 1976)<br>A Marine Andrewski († 1976)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                        |
|                                                                                          | TANK INFORMATION                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |
| Tank Sizes\Contents                                                                      |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |
| Tank 1: 1000                                                                             | Contents: Gasoline                                                                                                    | Age: Removed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |
| Tank 2:                                                                                  | Contents:                                                                                                             | Age:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                        |
| l ank 3:                                                                                 | Contents:                                                                                                             | Age:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                        |
| I ank 4:                                                                                 | Contents:                                                                                                             | Age:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                        |
| Tank 5:                                                                                  |                                                                                                                       | Age:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                        |
| Талқ о;                                                                                  | Contents:                                                                                                             | Age:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                        |
|                                                                                          | PURPOSE OF ACTIVITY (Check all a                                                                                      | appropriate)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                        |
| New Tank Installation                                                                    | Tank Closure                                                                                                          | Install Tank Leak Detection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                        |
| Petroleum Release Investigation                                                          | on                                                                                                                    | m Install Overfill Protection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                        |
| Leak Detection Testing                                                                   | Install Monotoring Wel                                                                                                | Ils V //////Install Kard System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |
| Backgro formation stars                                                                  | Complete                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1949 -<br>4                                            |
|                                                                                          | TYPE OF SITE                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u></u>                                                |
|                                                                                          |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |
|                                                                                          |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |
|                                                                                          |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |
|                                                                                          |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |
|                                                                                          |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |
|                                                                                          |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |
|                                                                                          |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |
|                                                                                          |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |
|                                                                                          |                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                        |

|                                                                                                                                                                                                |                                                                                        | SITE HEALTH AND SAFET                                                | Y PLAN                                                           |                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------|
|                                                                                                                                                                                                | POTENT                                                                                 | AIL HEALTH AND SAFETY H                                              | AZARDS (check all appropri                                       | iate)                                                     |
| Handling\transfer c<br>* Fire<br>* Explosions<br>General Constructi<br>* Electrical Ha<br>* Physical Inju<br>Confined Space Er<br>* Explosions<br>Description of site-<br>Underground utilitie | of product:  ion:  azards ury ntry:  specific hazards (utilitie es and highway traffic | Heavy Equipment:                                                     | Snakes:<br>Insects:<br>Rodents:<br>Heat:<br>Cold:                |                                                           |
|                                                                                                                                                                                                | EVALUATION                                                                             | I OF CHEMICAL HAZARDS (                                              | MSDS sheets attached)                                            |                                                           |
| NAME                                                                                                                                                                                           | PHYSICAL<br>STATE                                                                      | ROUTE OF<br>ENTRY                                                    | OSHA PEL/TL                                                      | SYMPTOMS OF EXPOSURE                                      |
| l.<br>2.                                                                                                                                                                                       | Vapor/Liq                                                                              | Inh/Skin                                                             | 25-300PPM                                                        | Nausea, Irritation                                        |
| 3. Gasoline<br>4.<br>5.                                                                                                                                                                        | Vapor/Liq                                                                              | Inh/Skin                                                             | 300 PPM                                                          | Irritation of eyes and skin, dizzines, and slurred speech |
|                                                                                                                                                                                                | ON-SIT                                                                                 | E PERSONNEL RESPONSIB                                                | BILITIES                                                         |                                                           |
| . Brandon Walker<br>. Troy Moseley                                                                                                                                                             |                                                                                        | Environmenta<br>Environmenta                                         | al Tech<br>al Tech                                               |                                                           |
|                                                                                                                                                                                                | METHOD                                                                                 | TO CONTROL POTENTIAL F                                               | EALTH AND SAFETY HAZ                                             | ARDS                                                      |
| Combustible Gas I<br>Action Levels<br>0-10%   FI No F<br>Action Levels<br>Normal:<br>Oxygen Deficient:<br>Oxygen Deficient:<br>Photoionization Dete                                            | Indicator:                                                                             | MONITORING INS Action None Action Notify Evac a lonization Detector: | TRUMENTS<br>y Health & Safety Officer<br>uate<br>Detector Tubes: |                                                           |
|                                                                                                                                                                                                |                                                                                        |                                                                      |                                                                  |                                                           |

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| 이 사가 전에 가장을 잘 못 한 것을 하는 것 같은 가슴을 가슴을 들었다. 그는 것을 가 있다.                                                                                                                                                                                                                                                                                                                                                                  | Merekan din selam di su si su selam di si                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Minimum Requirements                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <ol> <li>Hardhat</li> <li>Safety glasses\goggles</li> <li>Steel toes\shank shoes or boots</li> <li>Flame retardant coveralls</li> <li>Hearing protection (muffs or ear plugs)</li> </ol>                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Is additional PPE required? yes:<br>Additional Requirements<br>Uncoated tyvek coveralls:<br>Saranex tyvek coveralls:<br>Rubber boots:<br>Overboots:<br>Surgical Inner Gloves:<br>Butyl Neoprene\nitrile outer gloves:                                                                                                                                                                                                  | no:<br>Full face respirators:<br><sup>★</sup> type of catrridge:<br>SCBA \ SAR:<br>Other:                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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|                                                                                                                                                                                                                                                                                                                                                                                                                        | SITE CONTROL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | na an a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Site Entry Procedure: Obtain approval and ir<br>Decontaminations Procedures:<br>Personnel: Remove protective equip<br>Equipment: Wash with brush and Alc<br>Investigation-derived material disposal<br>Stockpiling: The soils will be placed or<br>have to be approved by the Project Ma<br>method. DOT drums: Label drums as<br>together in area where movement is at<br>Work Limitations: Daylight hours. No eating, | nstructions from Project Leader.<br>ment and wash hands prior to eating.<br>conox soap and rinsed with portable water.<br>n and covered with plastic. The client will de<br>anager. Soils will be disposed of by the most<br>to content and date filled. Routinely inspect<br>t a minimum.<br>drinking, or smoking in the exclusion zone of                                                                                                                                                                                                             | termine the stockpile location, but will<br>t efficient and cost effective approved<br>drums for leakage or spills. Place<br>r the contamination reduction zone,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Employee Limitations:                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Site Resources<br>Plan Approved by:                                                                                                                                                                                                                                                                                                                                                                                    | n and an line of the Reichter State State (1997) and 1997) and 19 | ant - alam mhinnairrean mhlidheile.<br>An thairtean mhinn an thairtean a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Shower: Water Supply:                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

#### SITE HEALTH AND SAFETY PLAN

| CONTINGENC                                                                                                                                                                                                                                                                                                 | Y PLANNING                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| LOCAL RESOURCES                                                                                                                                                                                                                                                                                            | Phone Number                                                                                                                                   |
| Ambulance: Osceola                                                                                                                                                                                                                                                                                         | 911                                                                                                                                            |
| Hospital Emergency Room: Osceola Medical Center                                                                                                                                                                                                                                                            | 608-723-2143                                                                                                                                   |
| Poison Control Center: Madison<br>Police <sup>Osceola</sup>                                                                                                                                                                                                                                                | (800) 283-281<br>911                                                                                                                           |
| Fire Dept: Osceola                                                                                                                                                                                                                                                                                         | 911                                                                                                                                            |
| Hazardous Waste Response Center:                                                                                                                                                                                                                                                                           | 800-943-0003 Wisconsin<br>EPA 800-424-8802                                                                                                     |
| Location Address: 613 State Highway 35                                                                                                                                                                                                                                                                     |                                                                                                                                                |
| Other:                                                                                                                                                                                                                                                                                                     |                                                                                                                                                |
|                                                                                                                                                                                                                                                                                                            |                                                                                                                                                |
| EMERGENCY PROCEDURES                                                                                                                                                                                                                                                                                       |                                                                                                                                                |
| If an emergency develops at the site, the discoverer will take the<br>* Notify the proper emergency service (fire, police, etc<br>* Notify other personnel on the site. Notify Project Le<br>* Contact METCO and the client representative to info<br>* Prepare a summary report of the incident for METCO | following course of action:<br>) for assistance.<br>ader.<br>yrm them of the incident as soon as possible.<br>O and the client representative. |
|                                                                                                                                                                                                                                                                                                            |                                                                                                                                                |

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| ON-SITE ORGANIZATION                 |      | PHONE NUMBERS  |
|--------------------------------------|------|----------------|
| METCO Project Leader: Jason Powell   | work | 608-781-8879   |
|                                      | home | 608-526-6108   |
| METCO Safety Officer: Linda Eastman  | work | 1-800-236-0448 |
| Engineer/Architect Contact:          | home | (608)489-2236  |
| Client Contact: Arlan Hanson         |      | (715) 294-3119 |
| METCO Corporate Contact: Paul Knower | ·    | (608)489-2659  |
|                                      | work | 1-800-236-0448 |
|                                      |      |                |
|                                      |      |                |

# DAILY SAFETY PLAN CHECK

- 1. Hard-hat
- 2. Visible fire extinguisher
- 3. Safety glasses
- 4. Hearing protection
- 5. No smoking on site
- 6. Safety data sheet
- 7. Route to hospital
- 8. Barricades (cones, flags, fences, vehicle)
- 9. Emegency phone numbers
- 10. Know where the job site book is



LUST Investigation Field Procedures Workplan - METCO Hanson Electric

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# **APPENDIX G/QUALIFICATIONS**

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Environmental Consulting, Fuel System Design, Installation and Service Page 16

## Ronald J. Anderson, P.G.

#### **Professional Titles**

- Senior Hydrogeologist
- Project Manager

#### Credentials

- Licensed Professional Geologist in Wisconsin
- Licensed Professional Geologist in Minnesota
- Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Hydrogeologist
- · Certified by State of Wisconsin/DCOMM to conduct PECFA-funded LUST projects
- Certified tank closure site assessor (#41861) in Wisconsin
- · Member of the Wisconsin Groundwater Association
- Member of the Minnesota Groundwater Association
- · Member of the Federation of Environmental Technologist, Inc.
- · Member of the Wisconsin Fabricare Institute

#### Education

. . .

Includes a BA in Earth Science from the University of Minnesota-Duluth. Applicable courses successfully completed include Hydrogeology, Applied Hydrogeology, Environmental Geology, Geological Field Methods, Geology Field Camp, Geomorphology, Structural Geology, Stratigraphy/Tectonics, Mineralogy/Petrology, Glacial/Quaternary Geology, Geology of North America, Oceanography, General Chemistry, Organic Chemistry, and Environmental Conservation

#### **Post-Graduate Education**

Includes Personnel Protection and Safety, Conducting Comprehensive Environmental Property Assessments, Groundwater Flow and Well Hydraulics, Effective Techniques for Contaminated Groundwater Treatment, and numerous other continuing education classes and conferences.

#### Work Experience

Includes nine months with the Wisconsin Department of Natural Resources Leaking Underground Storage Tank Program regulating LUST sites and since June 1990, with METCO as a Hydrogeologist and Project Manager. Duties have included: managing, conducting, and reporting tank closure assessments; property assessment, LUST investigations; spill investigations; agricultural chemical investigations, dry cleaning chemical investigations, general geotechnical/environmental investigations; Geoprobe projects (soil, groundwater, soil gas sampling); drilling projects (soil boring and monitoring wells); and remedial projects. Since 1989, METCO has sampled/consulted over 700 environmental sites.

## **Jason T. Powell**

#### **Professional Title**

Staff Scientist

#### Credentials

• Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Scientist.

#### Education

Includes a BS in Groundwater Management from the University of Wisconsin- Stevens Point, Applicable courses successfully completed include Hydrogeology, Applied Hydrogeology, Environmental Geology, Hydrogeology-Groundwater Flow Modeling, Groundwater Management, Structural Geology, Mineralogy, Glacial Geology, Soils, Soil Physics, Hydrology, Geochemistry, Water Chemistry, Organic Chemistry, General Chemistry, Environmental Issues.

#### **Post-Graduate Education**

40-hour OSHA Hazardous Materials Safety Training course with 8-hour refresher course.

#### Work Experience

With METCO since May 1992 as a Geoprobe Assistant and Geoprobe Operator. In June 1995 to July 1996 as a Environmental Technician. In July 1996 as a Staff Scientist. Duties have included: LUST investigations; general geotechnical/environmental investigations; Geoprobe projects (soil, groundwater sampling); drilling projects (soil boring and monitoring wells); remedial projects (sampling, pilot tests, system operation/maintenance) and project management.

LUST Investigation Field Procedures Workplan - METCO Hanson Electric

## Eric J. Dahl

#### **Professional Title**

Hydrogeologist

#### Credentials

- Recognized by the State of Wisconsin Department of Natural Resources (Chapter NR712) as a qualified Hydrogeologist.
- Registered through the Wisconsin Department of Commerce as a PECFA consultant (#823519).

· Member of the Geological Society of America

#### Education

Includes B.S. in Geology from the University of Wisconsin-Eau Claire. Applicable courses successfully completed include Environmental Geology, Physical Hydrogeology, Chemical Hydrogeology, Computer Modeling in Hydrogeology, Aqueous Geochemistry, Field Geology I and II, Mineralogy and Petrology I and II, Sedimentology and Stratigraphy, Petroleum and Economic Geology, Earth Resources, Earth History, and Structural Geology.

#### **Post-Graduate Education**

40-hour OSHA Hazardous Materials Safety Training course with 8-hour refresher course.

#### Work Experience

With METCO since November 1999 as a Hydrogeologist. Duties have included: Site Investigations, Phase I and Phase II Environmental Site Assessments, Case Closure Requests/GIS Registry, geoprobe projects (oversight, direction, and sampling), drilling projects/monitoring well installation (oversight, direction, and sampling), soil excavation projects (oversight, direction, and sampling), geoprobe operation, and operation and maintenance of remedial systems.

## Brandon A. Walker

#### **Professional Title**

Staff Scientist

#### Education

Includes B.S. in Geography and a minor in Environmental Studies from the University of Wisconsin- La Crosse. Applicable courses successfully completed include Water Resources, Ecology, Climate Systems, Earth Science, Zoology, Fundamentals of Cartography, Interpretation of Aerial Photography, Global Issues, Urban Geography, Environmental Sociology, and Environmental Studies.

#### Work Experience

With METCO since April 2007 as a Staff Scientist. Duties have included: soil and groundwater sampling, operation and maintenance of remedial systems, geoprobe projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting.

## **Troy Moseley**

#### **Professional Title**

Staff Scientist

#### Credentials

Registered through the Wisconsin Department of Commerce as a PECFA consultant.

#### Education

Includes B.S. in Geology with a Hydrogeology concentration from the University of Wisconsin – Eau Claire. Applicable courses successfully completed include Hydrogeology I & II, Environmental Geology, Engineering Geology and Geophysics, Geochemistry, Field Geology I, Rocky Mountain Field Studies, Glacial Geology, Structural Geology, Sedimentology & Stratigraphy, and Mineralogy & Petrology.

#### Work Experience

With METCO since August 2011 as a Staff Scientist. Duties have included: soil and groundwater sampling, operation and maintenance of remedial systems, geoprobe projects (oversight, direction, and sampling), site mapping, data reduction and analysis, and reporting.

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Environmental Consulting, Fuel System Design, Installation and Service

LUST Investigation Field Procedures Workplan - METCO Hanson Electric

## LIST OF ACRONYMS

**AST** – Aboveground Storage Tank

**ASTM** – American Society for Testing and Materials

Cd – Cadmium

**DOT** – Department of Transportation

**DRO** – Diesel Range Organics

**ES** – Enforcement Standards

**gpm** – gallons per minute

**GRO** – Gasoline Range Organics

HNU – brand name for Photoionization Detector

**ID** – inside-diameter

**LAST** – Leaking Aboveground Storage Tank

**LUST** – Leaking Underground Storage Tank

MSL – Mean Sea Level

MTBE – Methyl-tert-butyl-ether

**MW** – Monitoring Well

NIOSH - National Institute for Occupational Safety & Health

NR – Natural Resources

**OD** – outside-diameter

**PAH** – Polynuclear Aromatic Hydrocarbons

**PAL** – Preventive Action Limits

Pb – Lead

**PECFA** – Petroleum Environmental Cleanup Fund

**PID** – Photoionization Detector

**POTW** – Publicly Owned Treatment Works

ppb ug/kg – parts per billion

ppm mg/kg - parts per million

**psi** – pounds per square inch

**PVC** – Polyvinyl Chloride

**PVOC** – Petroleum Volatile Organic Compounds

**RAP** – Remedial Action Plan

scfm – standard cubic feet per minute

SVE – Soil Vapor Extraction

**USCS** – Unified Soil Classification System

**USGS** – United States Geological Survey

**UST** – Underground Storage Tank

**VOC** – Volatile Organic Compounds

**WDNR** – Wisconsin Department of Natural Resources

WDSPS – Wisconsin Department of Safety and Professional Sevices

WPDES – Wisconsin Pollutant Discharge Elimination System

|      |                                                                                                      | ł        |
|------|------------------------------------------------------------------------------------------------------|----------|
|      | WISCONSIN DEPARTMENT OF NATURAL RESOURCES<br>Park Falls Area Headquarters<br>875 South Fourth Avenue |          |
|      | Park Falls, WI 54552                                                                                 | <u>.</u> |
|      | DATE: 6/23/11 P.F. FAX #: 715/762-4348 P.F. PHONE #: 715/762-3204                                    | ×.       |
|      | TO: Jeson Powell Gent                                                                                | 11)      |
|      | AGENCY: METCO                                                                                        | 1        |
| ·    | FAX #: 608 781 - 8893 (PLACE THIS # ON THE BACK SIDE ALSO)                                           |          |
| *    | SUBJECT: HUNSON Electric () ST ASSESS Ment                                                           |          |
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## RECEIVED DNR SPOONER

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# '00 JAN 7 PM 2 21

Tank Closure And Environmental Site Assessment Report For Arlan Hanson 613 Hwy. 35 Osceola, WI 54020

Site:

Hanson Electric 613 Hwy. 35 Osceola, WI 54020

November 1999

Mark Iverson

CSA #46672

Cedar Corporation Project #1964-0014-303-01

Cedar Corporation 604 Wilson Avenue Menomonie, WI 54751

#### TABLE OF CONTENTS

- I. Ownership and Personnel Involved
- II. Background Information
- III. Tank Closure
- IV. Cleaning Wastes
- V. Environmental Assessment
- VI. Standard of Care

#### FIGURES

| Figure 1 | - | Site Location Map |
|----------|---|-------------------|
| Figure 2 | - | Site Layout Plan  |

#### <u>TABLE</u>

 Table 1
 Soil Sample - Field and Analytical Results

## **APPENDICES**

- Appendix A Site Assessor Certification
- Appendix B Field Procedures
- Appendix C Analytical Results
- Appendix D Tank Inventory Form (SBD-7437)

#### I. <u>OWNERSHIP AND PERSONNEL INVOLVED</u>

In September 1999, Cedar Corporation provided environmental site assessment consulting services during the closure of one underground storage tank located at Hanson Electric. The site is located on Hwy. 35 South south of Osceola, WI (Figure 1).

Tank Location:

Hanson Electric 613 Hwy. 35 Osceola, WI 54020

NW 1/4 of SW 1/4, Sec. 34, Township 33 N, Range 19 W

Tank Owner:

Arlan Hanson 613 Hwy. 35 Osceola, WI 54020 Phone: 715-294-3119

Engineering/Tank Cleaning Services: River Oil Company 448 Hwy. 35, P.O. Box 216 Somerset, WI 54025 Phone: 715-247-3383

Certified Tank Removal and Cleaning Technicians: Richard Leverty Certification No.: 656295

Tank Inspector or Third Party: Randy Shervey 13143 County Hwy. OO Chippewa Falls, WI 54729-7377 Phone: 715-723-0607 LPO #: 00010

Site Assessment Services:

Cedar Corporation 604 Wilson Avenue Menomonie, WI 54751

Certified Site Assessor:

Mark Iverson Certification #: 46672 Copy of Certification as Appendix A

## II. BACKGROUND INFORMATION

Property Use:

The property is the current location of the Hanson Electric shop and office.

Tanks:

| Tank ID # | Size | Contents | Capacity | Status               |
|-----------|------|----------|----------|----------------------|
| 324965    | 1000 | Unleaded | 1000     | Abandoned<br>Removed |

Previous Geotechnical Investigations:

No known geotechnical investigations have been completed on the property.

## III. TANK CLOSURE INFORMATION

Observations:

| Free Product  | N | Excavation Depth    | 7.5 ft. |
|---------------|---|---------------------|---------|
| Soil Staining | N | Free Standing Water | Ν       |
| Soil Odors    | Y | •                   |         |

Tank and Piping Conditions:

| Pitted | N | Holed          | N  |
|--------|---|----------------|----|
| Rusted | Y | Coating Intact | NA |

Other Observations: The tank appeared to be in good condition. There were no visible pitts or holes.

## IV. <u>CLEANING WASTES</u>

Cleaning and disposal of the tank and piping was completed by Riverview Oil. The cleaning wastes were also collected and transported by Riverview Oil.

#### V. <u>ENVIRONMENTAL ASSESSMENT</u>

Two soil samples were collected beneath the tank at six feet below ground surface (bgs). An addition sample was collected at 7.5 feet bgs. Samples could not be collected beyond this due to the extremely hard nature of the limestone. Obvious contamination did not limit sample collection.

Sample Method Field: Lab: PID GRO and PVOC

Laboratory:

Test America 602 Commerce Drive Watertown, WI 53094 Phone: 920-261-1660 WI DNR Certification No. 128053530

| SAMPLE ID | DEPTH FT. | PID I.U. | GRO PPM | MOISTURE % |
|-----------|-----------|----------|---------|------------|
| 1         | 6         | 0        | <6.1    | 18.6       |
| 2         | 6         | 2120     | 424     | 17.4       |
| ` 3       | 7         | 172      | -       | -          |
| 4         | 7.5       | 146      | 15      | 14.3       |

#### TABLE OF RESULTS

Results of Assessment:

Analytic results indicate that a release has occurred from the petroleum system at Hanson Electric. The DNR has been notified of the release.

#### VI. STANDARD OF CARE

Cedar Corporation has completed the work described within this report and warrants its contents to be factual. The analytical results are reported within the limits of the methods employed to provide analyses for the various compounds tested. No guarantee or warranty is expressed or implied of the conclusions forwarded in this report.



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# ANALYTICAL AND QUALITY CONTROL REPORT

**Test**America

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751 10/04/1999

Job No: 99.08492

Page 1 of 4

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

| Sample<br>Number | Sa | mple Description            | Date<br>Taken | Date<br>Received |
|------------------|----|-----------------------------|---------------|------------------|
| 366739           | #1 | #1964-0014-303-01 Riverview | 09/22/1999    | 09/24/1999       |
| 366740           | #2 | #1964-0014-303-01 Riverview | 09/22/1999    | 09/24/1999       |
| 366741           | #4 | #1964-0014-303-01 Riverview | 09/22/1999    | 09/24/1999       |

Soil results are reported on a dry weight basis. The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

- A = Analyzed/extracted past hold time
- C = Standard outside of control limits
- F = Sample filtered in lab
- H = Late eluting hydrocarbons present
- J = Estimated concentration
- M = Matrix interference
- Q = Result confirmed via re-analysis
- T = Does not match typical pattern
- X = Unidentified compound(s) present

- B = Blank is contaminated
- D = Diluted for analysis
- G = Received past hold time
- I = Improperly handled sample
- L = Common lab solvent and contaminant
- P = Improperly preserved sample
- S = Sediment present
- W = BOD re-set due to missed dilution
- Z = Internal standard outside limits

Brian D. DeJong Organic Operations Manager

602 COMMERCE DRIVE / WATERTOWN, WI 53094 / 920-261-1660 / FAX: 920-261-8120 WDNR No. 128053530

## ANALYTICAL REPORT

**Test**America

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751 10/04/1999 Job No: 99.08492 Sample No: 366739 Account No: 13800 Page 2 of 4

JOB DESCRIPTION: #1964-0014-303-01 Riverview Oil PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: #1 #1964-0014-303-01 Riverview Rec'd on ice

Date/Time Taken: 09/22/1999 08:40

Date Received: 09/24/1999

|                                    |       |          | Reporting | 3       | Date       | Prep/Run |
|------------------------------------|-------|----------|-----------|---------|------------|----------|
| Parameter                          | Resul | ts Units | Limit     | Method  | Analyzed   | Batch    |
| Solids, Total<br>PVOC - NONAQUEOUS | 81.4  | 9j       | n/a       | SW 5030 | 09/30/1999 | 295      |
| Benzene                            | <31   | ug/kg    | 25        | SW 8020 | 10/01/1999 | 2454     |
| Ethylbenzene                       | <31   | ug/kg    | 25        | SW 8020 | 10/01/1999 | 245      |
| Methyl-t-butyl ether               | <31   | ug/kg    | 25        | SW 8020 | 10/01/1999 | 245      |
| Toluene                            | <31   | ug/kg    | 25        | SW 8020 | 10/01/1999 | 2454     |
| 1,2,4-Trimethylbenzene             | <31   | ug/kg    | 25        | SW 8020 | 10/01/1999 | 2454     |
| 1,3,5-Trimethylbenzene             | <31   | ug/kg    | 25        | SW 8020 | 10/01/1999 | 245      |
| Xylenes, Total                     | <92   | ug/kg    | 75        | SW 8020 | 10/01/1999 | 245      |
| GRO                                | <6.1  | mg/kg    | 5.0       | WDNR    | 10/01/1999 | 2454     |
| Surr: Bromofluorobenzene           | 99.0  | \$<br>\$ | n/a       | SW 8020 | 10/01/1999 | 245      |

## ANALYTICAL REPORT

**Test**America

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751 10/04/1999 Job No: 99.08492 Sample No: 366740 Account No: 13800 Page 3 of 4

JOB DESCRIPTION: #1964-0014-303-01 Riverview Oil PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: #2 #1964-0014-303-01 Riverview Rec'd on ice

Date/Time Taken: 09/22/1999 08:45

Date Received:

09/24/1999

| Parameter                          | Results | Units | Reporting<br>Limit | Method  | Date<br>Analyzed | Prep/Run<br>Batch |
|------------------------------------|---------|-------|--------------------|---------|------------------|-------------------|
| Solids, Total<br>PVOC - NONAQUEOUS | 82.6    | olo   | n/a                | SW 5030 | 09/30/1999       | 2956              |
| Benzene                            | 1,210   | ug/kg | 25                 | SW 8020 | 10/01/1999       | 2454              |
| Ethylbenzene                       | 2,420   | ug/kg | 25                 | SW 8020 | 10/01/1999       | 2454              |
| Methyl-t-butyl ether               | <600    | ug/kg | 25                 | SW 8020 | 10/01/1999       | 2454              |
| Toluene                            | 8,350   | ug/kg | 25                 | SW 8020 | 10/01/1999       | 2454              |
| 1,2,4-Trimethylbenzene             | 23,000  | ug/kg | 25                 | SW 8020 | 10/01/1999       | 2454              |
| 1,3,5-Trimethylbenzene             | 10,000  | ug/kg | 25                 | SW 8020 | 10/01/1999       | 2454              |
| Xylenes, Total                     | 36,300  | ug/kg | 75                 | SW 8020 | 10/01/1999       | 2454              |
| GRO H                              | 424     | mg/kg | 5.0                | WDNR    | 10/01/1999       | 2454              |
| -Surr: Bromofluorobenzene          | 86.5    | 8     | n/a                | SW 8020 | 10/01/1999       | 2454              |

## ANALYTICAL REPORT

Test/America

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751 10/04/1999 Job No: 99.08492 Sample No: 366741 Account No: 13800 Page 4 of 4

JOB DESCRIPTION: #1964-0014-303-01 Riverview Oil PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: #4 #1964-0014-303-01 Riverview Rec'd on ice

Date/Time Taken: 09/22/1999 08:50

Date Received: 09/24/1999

| <i>,</i>                           |   |        |          | Reporting | a       | Date       | Prep/Run |
|------------------------------------|---|--------|----------|-----------|---------|------------|----------|
| Parameter                          |   | Result | s Units  | Limit     | Method  | Analyzed   | Batch    |
| Solids, Total<br>PVOC - NONAQUEOUS |   | 85.7   | ş        | n/a       | SW 5030 | 09/30/1999 | 295      |
| Benzene                            |   | <29    | ug/kg    | 25        | SW 8020 | 10/01/1999 | 2454     |
| Ethylbenzene                       |   | 50     | ug/kg    | 25        | SW 8020 | 10/01/1999 | 245      |
| Methyl-t-butyl ether               |   | <29    | ug/kg    | 25        | SW 8020 | 10/01/1999 | 245      |
| Toluene                            |   | 100    | ug/kg    | 25        | SW 8020 | 10/01/1999 | 2454     |
| 1,2,4-Trimethylbenzene             |   | 1,030  | ug/kg    | 25        | SW 8020 | 10/01/1999 | 2454     |
| 1,3,5-Trimethylbenzene             |   | 502    | ug/kg    | 25        | SW 8020 | 10/01/1999 | 245      |
| Xylenes, Total                     |   | 957    | ug/kg    | 75        | SW 8020 | 10/01/1999 | 245      |
| GRO                                | H | 15     | mg/kg    | 5.0       | WDNR    | 10/01/1999 | 2454     |
| Surr: Bromofluorobenzene           |   | 97.0   | 90<br>90 | n/a       | SW 8020 | 10/01/1999 | 2454     |

| Te        | est                           | Americ                                | CO<br>ADI<br>PHO<br>PRO<br>PRO             | HAI<br>MPANY<br>DRESS<br>DNE<br>DJECT<br>DJECT |      | OF<br><u>EDI</u><br>(204<br>(204<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204)<br>(204) |     |              | ST<br>SC<br>SC<br>SC<br>SC<br>SC<br>SC<br>SC<br>SC<br>SC<br>SC<br>SC<br>SC<br>SC | 0<br>202<br>1<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2 |       | Y F<br>Jon<br>Jue<br>Viel<br>DIA |      | CO<br>Me<br>FA<br>Dil<br>303                 | <b>R</b> [<br>√ <i>o</i> , <i>i</i><br>×(<br><i>x</i> (<br><i>x</i> (<br><i>x</i> () | )<br>23<br>23 | ;)e<br>5-:<br>e01,   | 27-2<br>a | 27       | 9        | ·9:          | DS49<br>REPOR<br>INVOICE<br>P.O. NO<br>QUOTE          | <i>j</i>                                                                         |
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|           | ED BY<br><u>IrCi/</u><br>.ME) | Trerson                               | SIGNATURE                                  |                                                | Yu   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |              |                                                                                  |                                                                                               |       | Pree                             |      |                                              |                                                                                      |               | LYSE                 | S         |          |          |              | To assist us it<br>ls this work bein<br>compliance mo | n selecting the proper method<br>ng conducted for regulatory<br>nitoring? Yes No |
| (PRINT NA | ME)                           |                                       | SIGNATURE                                  |                                                |      | [                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |     | # ar<br>Co   | nd Typ                                                                           | oe of<br>ers                                                                                  |       | + 0                              | 1    |                                              |                                                                                      |               |                      |           |          |          |              | Is this work beir<br>enforcement ac                   | ng conducted for regulatory<br>tion? Yes No                                      |
| DATE      | тіме                          | SAMPLE ID/DESCF                       | RIPTION                                    | MATRIX                                         | GRAB | COMP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Ю   | NaOH         | HNO <sub>3</sub>                                                                 | H <sub>2</sub> SO <sub>4</sub>                                                                | OTHER | 2)-CR                            | NOA. |                                              |                                                                                      |               |                      |           |          |          |              | Which regulatio                                       | ns apply: RCRA NPDES Wastewater<br>UST Drinking Water<br>Other None              |
| 2-99      | 840                           | 1 <i>4</i>                            |                                            | <                                              | x    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |              | _                                                                                |                                                                                               | 2     | K                                |      |                                              |                                                                                      | +             |                      |           |          |          |              | Pricerus                                              | COMMENTS                                                                         |
|           | 845                           | #2                                    |                                            | 5                                              | X    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |              |                                                                                  | .2                                                                                            | Ż     | ,<br>K                           |      |                                              |                                                                                      |               |                      |           |          |          |              | 1.25-702                                              |                                                                                  |
| V         | 850                           | #4                                    |                                            | 5                                              | X    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |              |                                                                                  |                                                                                               | 3     | X                                |      |                                              |                                                                                      |               |                      |           |          |          |              | VE                                                    | the gays # 3                                                                     |
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| COND      | L<br>TION OF<br>.E REMA       | SAMPLE: BOTTLES INT<br>FIELD FILTER   | ACT? YES/NO<br>ED? YES/NO<br>RN SAMPLE REM | MAIND                                          | ERI  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     | DC S<br>DLAT |                                                                                  | S PI                                                                                          | RES   | SENT<br>OF H                     |      | ) INTA<br>SPAC                               | CT?<br>CE? \                                                                         | YES /         | / NO<br>/ NO<br>/ NO |           | <u> </u> | <u> </u> | <br>TE<br>Bo | EMPERATURE                                            | UPON RECEIPT: ON VCE                                                             |
| RELINO    | SHED BY                       |                                       |                                            | SPOSE                                          |      | · ALL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SAN | NPLE         | : RE                                                                             | MAI                                                                                           | NDE   | EKS_                             |      |                                              |                                                                                      |               |                      |           |          | _ DA     | IE           |                                                       |                                                                                  |
| TY        | Jarly                         | L 9/23/99                             | 1400                                       |                                                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |              |                                                                                  |                                                                                               |       | 1                                |      | JIGHEL                                       | J DT:                                                                                |               |                      |           | ,        | 912'1    | 19           | 14:58                                                 | SRUALODNS                                                                        |
| METHO     | D OF SI                       | HIPMENT<br>Dunham                     | REM                                        | ARKS:                                          | :    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |     |              |                                                                                  |                                                                                               |       |                                  |      | <u>.                                    </u> |                                                                                      |               |                      |           |          |          | <u> </u>     |                                                       | (D9/21/99                                                                        |

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| I. Primary Piping System Type:       Pressurized pipin         Suction piping with check valve at tank       Suction         J. Piping Leak Detection Method: (used if pressurized of Groundwater monitoring       Vapor monitoring         K. Vapor Recovery/Stage II       CARB #:         Fiberglass       Other (specify):         L. TANK CONTENTS (Current, or previous product if Diesel.       Leaded         Other (Specify):       Empty         Waste/Used Motor Oil       Chemical (indicate | L JreA     L Jre | mpressed Current<br>VA<br>ff; B. ] alarm or C. ] f<br>al pump and inspectable<br>SIR ] Tighiness to<br>E. Not required<br>berational - Provide Date<br>Unleaded<br>Sand/Gravel/Slurry*<br>Kerosene<br>tude:<br>tassessment been con                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Iow restrictor       Unknown         Not needed if waste oil         Isting       Electronic line leak monitor         Iow restrictor       Unknown         (mo/day/yr)*       Implementation         Fuel Oil       Gasohol         Unknown*       Premix         Aviation       Hazardous Waste*         Geo Longituda:       mpleted (see reverse side for details)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Wisconsin Department o<br>Labor and Human Relation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | f Industry,<br>ons                                                                                                                                                                | CHECKLIST                             |                                             | GROUND                                 | <u>RETURN CO</u><br>Safety & Bui      | MPLETE<br>dings D     | D CHECKL<br>ivision      | IST TO:            |  |  |
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| Complete one for each site closure.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Fire Preventi<br>Storage Tan<br>P. O. Box 798                                                                                                                                     | on & Ur<br>k Sectio<br>59, Madi       | ndergrour<br>n<br>ison, WI-5                | 53707                                  |                                       |                       |                          |                    |  |  |
| A. IDENTIFICATION: (Please Print) Indicate whether closure is for: Tank System Tank Only Piping Only<br>1. Site Name 2. Owger Name 3. Site Name 3 |                                                                                                                                                                                   |                                       |                                             |                                        |                                       |                       |                          |                    |  |  |
| Sile Street Address (not P.O. B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Hanson Electric Address (ngl P.O. Box)<br>Sile Street Address (ngl P.O. Box)<br>Owner Street Address                                                                              |                                       |                                             |                                        |                                       |                       |                          |                    |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | City     City     Village     X Town of:     City     Village     X Town of:     State     Zip Code                                                                               |                                       |                                             |                                        |                                       |                       |                          |                    |  |  |
| State Z                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | furthington     Osceola     lust     54035       State     Zip Code     County     County     Telephone No. (include area code)       State     State     State     Dall     Dall |                                       |                                             |                                        |                                       |                       |                          |                    |  |  |
| 3. Closure Company Name (F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3. Closure Company Name (Print)<br>Closure Company Name (Print)<br>Closure Company Street Address,<br>IIIIO In 11 75 DA 304 011                                                   |                                       |                                             |                                        |                                       |                       |                          |                    |  |  |
| Closure Company Telephone N                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | o. (Include area                                                                                                                                                                  | code) Ci                              | osure Company City, Bla                     | ate, Zin Code                          | 125                                   |                       |                          |                    |  |  |
| 4. Name of Company Performi<br>Mark TVERSC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ng Closure Asso                                                                                                                                                                   | orporation                            | seesment Company Stre                       | ou Address, City, Sta                  | te, Zip Code<br>2 Merro               | мол                   | ie wi                    | 540                |  |  |
| Telephone # (include area co<br>(7)5) 235-908                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | de) Certilied As                                                                                                                                                                  | sessor Name (Print)                   | N Assess                                    | v Signature                            |                                       | Assesso<br>4(         | r Certificatio           | n No.              |  |  |
| Tank ID #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Closure                                                                                                                                                                           | Temp. Closure                         | Closure In Place                            | Tank Capacity                          | Contents *                            | Closu                 | ure Asses                | sment              |  |  |
| 1.329765                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                   |                                       |                                             | 1000                                   | .05                                   |                       |                          | i                  |  |  |
| 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                   |                                       |                                             |                                        |                                       |                       |                          | [                  |  |  |
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| 5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <u>s.                                     </u>                                                                                                                                    |                                       |                                             |                                        |                                       |                       |                          |                    |  |  |
| 6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                   |                                       |                                             |                                        |                                       |                       |                          |                    |  |  |
| 11-Waste oil; 13-Chemica                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | i (indicate the                                                                                                                                                                   | chemical name(s)                      | aded; 03-Unleaded; (<br>or numbers(s)       | 14-Fuel Oil; 05-Gas                    | sohol; 06-Othe                        | r: 09-0nl<br>14-Keros | known; 10-<br>ene; 15-Av | Premix;<br>lation. |  |  |
| Written notification was provi<br>All local permits were obtained                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ided to the loc<br>ed before begi                                                                                                                                                 | al agent 15 days i<br>inning closure. | n advance of closure                        | date. ,                                | · · · · · · · · · · · · · · · · · · · | N N N                 | N<br>N                   |                    |  |  |
| Check applicable box at<br>B. TEMPORARILY OUT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | right in resp<br>OF SERVIC                                                                                                                                                        | ponse to all sta<br>E                 | tements in Section                          | ns 8 - E,                              | Re<br>Ve                              | mover<br>erified      | Inspector<br>Verified    | <u>NA</u>          |  |  |
| Written inspector approv<br>is effective until forovide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | date)                                                                                                                                                                             | y closure obtained                    | d, which                                    |                                        | 🖸                                     | YON                   | Π                        | <b>D</b>           |  |  |
| 1. Product Removed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | ed intriank (r                                                                                                                                                                    | or other container)                   | and constitute liquid r                     | amoved AND                             | —<br>П                                |                       |                          | 7                  |  |  |
| b. All product remove                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | d to bottom o                                                                                                                                                                     | SUCTION OR                            | ·····                                       | •••••••••••••                          |                                       | Y D N                 |                          | Щ.                 |  |  |
| <ol> <li>All product remove</li> <li>Fill pipe, gauge pipe.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | tank truck vap                                                                                                                                                                    | of bottom.                            | s, and vapor return li                      | nes cappad.                            | ·····                                 | Y 🗋 N<br>Y 🗂 N        |                          | <b>H</b>           |  |  |
| 3. All product lines at the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | e islands or pu                                                                                                                                                                   | imps located else                     | where are removed a                         | nd capped, OR                          | 📮                                     | YON                   |                          |                    |  |  |
| 5. Vent lines left open.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                   |                                       | disconnactadr                               | 7                                      | ·····                                 |                       |                          | H,                 |  |  |
| 6. Inventory form filed in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | idicating temp                                                                                                                                                                    | orary closure                         |                                             | •••••••••••••••••••••••••••••••••••••• | 0                                     | Y 🗌 N                 | ۵                        |                    |  |  |
| C, CLOSURE BY REMO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | VAL<br>Imined into tar                                                                                                                                                            | uk for other contain                  | 221                                         |                                        |                                       | V 1999 NI             | (72)                     |                    |  |  |
| 2. Piping disconnected f                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | rom tank and                                                                                                                                                                      | removed.                              |                                             |                                        |                                       |                       | ES .                     |                    |  |  |
| <ol> <li>All liquid and residue</li> <li>All pump motors and</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | removed from<br>suction hoses                                                                                                                                                     | tank using explose                    | sion proof pumps or h<br>otherwise prounded | and pumps.                             |                                       |                       | ġ.                       |                    |  |  |
| 5. Fill pipes, gauge pipe<br>NOTE: DROP TUBE<br>THE USE OF AN EDL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | s, vapor recov<br>SHOULD NO                                                                                                                                                       | r BE REMOVED 1                        | submersible pumps a<br>F THE TANK IS TO E   | nd other fixtures re<br>BE PURGED THRC | moved.                                | Y ON                  |                          |                    |  |  |
| <ol> <li>Vent lines left connect</li> <li>Tank openings tempo</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ted until tanks                                                                                                                                                                   | purged.                               |                                             |                                        | 🛛                                     | YDN                   | Ŭ                        |                    |  |  |
| 8. Tank atmosphere redi                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | uced to 10% (                                                                                                                                                                     | of the lower flamm                    | able range (LEL) - <u>se</u>                | e Section F.                           |                                       |                       | NT<br>KT                 |                    |  |  |
| 9. Tank removed from et<br>to prevent movement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | xcavation after                                                                                                                                                                   | PURGING/INERT                         | ING; placed on level                        | ground and block                       | ed<br>∕···· <b>⊠</b> -                | Y D N                 | 团                        | Ū,                 |  |  |
| 10. Tank cleaned before t<br>SBD-8951 (P. 06/94)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | pevomer gnied                                                                                                                                                                     | being removed fi                      | ONTINUE ON NET                              | PAGE -                                 | · · · · · · □                         | YZN                   | Å.                       |                    |  |  |
| · · · · · · · · · · · · · · · · · · ·                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                   |                                       |                                             | · ^v ·                                 |                                       |                       |                          | • • •              |  |  |

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|                                                                                                                |            | 09/29/1999                          | 10:40                                  | 723-2153                                      | CFPD                                                                                  |                |            | PAGE                | 04 .     |
|----------------------------------------------------------------------------------------------------------------|------------|-------------------------------------|----------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------------------|----------------|------------|---------------------|----------|
|                                                                                                                | a          |                                     |                                        |                                               | · · · · · · · · · · · · · · · · · · ·                                                 | Rem            | over       | Inspector           | NA       |
| ¢.                                                                                                             | CI<br>11.  | Tank labeled in<br>NOTE: COMPI      | EMOVAL (<br>2" high lette<br>LETE TANK | continued)<br>ers after removi<br>LABELING SH | al but before being moved from site.                                                  | Vern<br>XYY    |            |                     |          |
|                                                                                                                | 12.<br>13. | Tank vent hole<br>Inventory form    | (1/8 th " in u<br>filed by own         | ppermost part<br>er with Safety a             | of lank) installed prior to moving the tank from site,                                |                |            |                     |          |
|                                                                                                                | 14.        | Site security is                    | provided wh                            | IIO INO OXCAVAI                               | on is open.                                                                           | 04-3           |            |                     |          |
| Ŀ.                                                                                                             | CI         | NOTE: CLOSU<br>OF THE DEPAI         | LACE<br>JRES IN PLA<br>RTMENT OF       | CE ARE ONL'                                   | Y ALLOWED WITH THE PRIOR WRITTEN APPROVAL<br>ABOR AND HUMAN RELATIONS OR LOCAL AGENT. |                |            |                     | -        |
|                                                                                                                | 1,<br>2.   | Product from pl<br>Piping disconne  | iping drained                          | ank and remove                                | aner container),<br>9d                                                                | ΠY             | N          |                     | Π        |
| <i>.</i>                                                                                                       | 3.         | All liquid and re                   | sidue remov                            | ed from tank u                                | sing explosion proof pumps or hand pumps.                                             | ЦŶ             |            |                     | Б        |
| - And the second se | 4.<br>5.   | Fill pipes, gaug                    | e pipes, vap                           | or recovery col                               | nnections, submersible pumps and other fixtures removed.                              | ЦŸ             | ЫN         | H                   | 閚        |
| ;                                                                                                              |            | NOTE: DROP                          | TUBE SHOU                              | ILD NOT BE-R<br>R - FOUCTOR                   | EMOVED IF THE TANK IS TO BE PURGED THROUGH<br>OUTPUT 12 FT ABOVE GRADE.               |                |            |                     |          |
| [                                                                                                              | 8.<br>7    | Vent lines left c                   | connected un                           | nit tanks purger                              | d                                                                                     | ₽¥             |            |                     | Ŧ        |
| l                                                                                                              | 8.         | Tank atmosphe                       | re reduced t                           | o 10% of the k                                | ower flammable range (LEL) - see Section F.                                           | ЩÝ             | МD         | - ğ                 | Щ        |
| ţ                                                                                                              | 9.<br>10.  | Tank properly o<br>Solid inert mate | cleaned to re<br>erial (sand, c        | move all sludg<br>yclone boiler sl            | e and residue                                                                         | ΗY             |            |                     | Н        |
|                                                                                                                | 11.        | Vent line discor                    | nnected or re                          | moved                                         | and Buildings Division indicating classure in place                                   | ٣¥             |            | <u> </u>            | Ē        |
|                                                                                                                | 12.        |                                     | EQOMENT                                |                                               |                                                                                       |                |            |                     |          |
|                                                                                                                |            | NOTE: DETER                         | IMINE IF A C                           | ><br>CLOSURE ASS                              | ESSMENT IS REQUIRED BY REFERRING TO ILHR 10.                                          |                |            |                     |          |
| •                                                                                                              | 1.         | Individual conducts used as the h   | ucting the as                          | isessment has<br>r work on the s              | a closure assessment plan (written) which ite                                         | 1 <b>29</b> Y  |            |                     | П        |
|                                                                                                                | 2,         | Do points of ob                     | vious contar                           | nination exist?                               |                                                                                       | ЦŇ             | ХN         |                     | ğ        |
| ł                                                                                                              | 3.<br>4.   | Was a field scre                    | g odors in th<br>eening instru         | e soils?<br>ment used to p                    | pre-screen soil sample locations?                                                     | KΥ             |            | Ř                   | Н        |
| ſ                                                                                                              | 5,         | Was a closure a                     | assessment                             | omitted becaus                                | se of obvious contamination?                                                          | Ä١             | X N        | ģ                   | Ē        |
| l                                                                                                              | 0,         | Agency, office a                    | and person of                          | contacted:                                    |                                                                                       |                | <u>щ</u> и | L                   |          |
| مسدر                                                                                                           | 7.         | Contamination                       | suspected b                            | ecause of: 🔲 O                                | Idor 🔲 Soil Staining 🗍 Free Product 🗌 Sheen On Groundwa                               | ter 🔲          | Field      | Instrument          | Test     |
| {                                                                                                              | M          | ETHOD OF A                          | CHIEVING                               | 10% LEVEL                                     | DESCRIPTION                                                                           |                |            |                     |          |
| <b>(</b> .                                                                                                     |            | Eductor driver                      | n by compre                            | ssed air, bonde                               | ed and drop tube left in place; vapors discharged minimum o                           | of 12 fe       | et ab      | ove ground.         |          |
|                                                                                                                | C          | Dimused air bi<br>Dry Ice           | lower bonde                            | and drop tub                                  | e removed. Air pressure not exceeding 5 psig.                                         |                |            |                     |          |
| l                                                                                                              |            | Dry ice introd                      | uced at 1.5 p<br>evaporated            | bounds per 100<br>before procee               | ) gallons of tank capacity. Dry ice crushed and distributed c                         | wer the        | e grea     | test possibl        | e tank   |
| ſ                                                                                                              | K          | Inert Gas (CO/2                     | 2 or N/2) N                            | DTE: INERT G                                  | ASSES PRODUCE AN OXYGEN DEFICIENT ATMOSPHER                                           | E. Tł          | HE TA      | NK MAY N            | от ве    |
|                                                                                                                |            | Gas introduce                       | THIS STATI                             | E WITHOUT SI<br>single opening                | PECIAL EQUIPMENT<br>at a point near the bottom of the tank at the end of the tank     | oppos          | ite the    | vent.               |          |
|                                                                                                                | m          | Gas introduce                       | id under low                           | pressure not k                                | o exceed 5 psig to reduce static electricity. Gas introducing                         | devic          | e grou     | inded.              |          |
|                                                                                                                | UNU.       | Calibrate com                       | ibustible gas                          | indicator. Dro                                | op tube removed prior to checking atmosphere. Tank space                              | a moni         | tored      | at bottom, n        | niddle   |
| L.                                                                                                             |            | and upper por<br>oround.            | rtion of tank.                         | Readings of                                   | 10% or less of the lower flammable range (LEL) obtained be                            | iore re        | movin      | g tank from         |          |
| $\left( \begin{array}{c} \end{array} \right)$                                                                  | N          | OTE SPECIFIC I                      | PROBLEMS                               | OR NONCOM                                     | PLIANCE ISSUES BELOW                                                                  |                |            | <u> </u>            | <u> </u> |
|                                                                                                                |            |                                     |                                        |                                               |                                                                                       |                |            |                     |          |
| []                                                                                                             |            |                                     |                                        |                                               |                                                                                       |                |            |                     |          |
|                                                                                                                | RE         | EMOVER/CLEAN                        |                                        | ATION                                         | JA INT                                                                                |                |            | ~                   | 00       |
| -                                                                                                              | Re         | emover Name (p                      | H. L.P.                                | very                                          | Bemover Signature Hemover Certil                                                      | *S<br>lication | ī No.      | T-ZZ'<br>Date Signe | 77<br>d  |
|                                                                                                                | 内          | ISPECTOR IN                         | FORMATIC                               | DN                                            |                                                                                       |                |            |                     |          |
| 1                                                                                                              | ₹A         | NOG SHER                            | very                                   |                                               | Kal Shewen                                                                            | 357            | 16-        | )                   |          |
|                                                                                                                | ไก         | spector Name (p                     | print)                                 |                                               | (Inspector Signature                                                                  | nspec          | tor Ce     | rtification N       | D.       |
| •.                                                                                                             | वन         | VOV7<br>DID # For Locatio           | on Where Ins                           | spection Perfor                               | med Inspector Telephone Number                                                        | <u> </u>       |            | -79                 |          |
| 1                                                                                                              |            |                                     |                                        |                                               |                                                                                       |                |            |                     |          |

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SAFETY AND BUILDINGS

#### **Richard, Philip E - DNR**

PUt UN BAPTBage 1 of 2 4/21/10 (99) 03-49-234619

From:Richard, Philip E - DNRSent:Wednesday, April 21, 2010 10:31 AMTo:'Dave Larsen'Subject:RE: Hanson Electric in Osceola

Dave,

I would recommend collecting soil samples in the area previously identified as impacted to document current conditions. Samples should be analyzed for PVOCs. A sample should also be collected from the private well. Information on the private well should be provided too. Once you see what the current conditions are you can look at closure options.

Phil

Philip E. Richard

Hydrogeologist Remediation and Redevelopment Program Wisconsin Department of Natural Resources phone: 715 762 1352 fax: 715 762 4348 e-mail: philip.richard@wisconsin.gov

> From: Dave Larsen [mailto:dlarsen@reiengineering.com] Sent: Tuesday, April 20, 2010 11:36 AM To: Richard, Philip E - DNR Subject: Hanson Electric in Osceola

Hi Phil, last time I was up your way I did a file review on this site. I spoke with Arlen (RP) again and he would like to move forward. According to Arlen, Cedar did the tank yank(1000 gal) and collected soil samples from the base of the tank at each end. One end was clean and the other end had detects. Samples were collected for GRO analysis and PID measurements were also collected. Samples 2-4 were in the same area, just at different depths.

| Sample | PID  | Depth | GRO         |
|--------|------|-------|-------------|
| 1      | 0    | 6'    | ND          |
| 2      | 2120 | 6′    | 424         |
| 3      | 172  | 7′    | not sampled |
| 4      | 146  | 7.5'  | 15          |

Limestone bedrock was encountered at 7.5 feet.

According to Arlen, after the tank was pulled everyone left and the hole stayed open for a month. He backfilled the hole and paved over it for parking. Site also has private potable water supply well.

I have my own thoughts on getting this site to closure, but would like to hear what you think may be necessary. How do you see this site getting through closure? Can it go the route of NFA? Or will it need a GIS notice? I am working on a budget for Arlen and would like t o include any fees you anticipate.

Thank You, David N. Larsen P.G.

David N. Larsen Hydrogeologist/Professional Geologist REI Engineering, Inc. 4080 N. 20<sup>th</sup> Ave. Wausau, WI 54401

Phone: 715-675-9784 Fax. 715-675-4060 Mobile: 715-551-3434 Email: dlarsen@reiengineering.com Web: RElengineering.com



 Providing practical solutions and exceeding client expectations in civil engineering, land surveying, environmental and safety consulting.

**IMPORTANT NOTE:** 

Confidentiality Notice: This message and any attached documents may contain confidential information. The information is intended solely for the use of the individual or entity named above. If you have received this communication in error, please notify the sender immediately by e-mail or telephone, at (715) 675-9784 and delete this message. Thank you.

WISCONSIN DEPT. OF NATURAL RESOURCES

## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor Matthew J. Frank, Secretary John Gozdzialski, Regional Director Park Falls Service Center 875 South 4<sup>th</sup> Avenue Park Falls, Wisconsin 54552 Telephone 715-762-4684 FAX 715-762-4348

1 ON

1/24/0

January 24, 2008

Mr. Arlan Hanson Hanson Electric 613 Highway 35 Osceola, Wisconsin 54020

Subject: Project Status Update Request for Hanson Electric, 613 Highway 35, Osceola, WI BRRTS Case # 03-49-234619

Dear Mr. Hanson:

On November 23, 1999 you were notified by the Wisconsin Department of Natural Resources (DNR) of your responsibility to investigate and, as needed, clean up contamination located at the above-referenced property. As the owner of this property, you have certain legal responsibilities, as outlined in Section 292.11(3), Wisconsin Stats., also known as the hazardous substances spills law. Section 292.11(3) states:

 RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands or waters of the State.

Our files indicate that we have not received any written correspondence or reporting for the case since a letter received January 10, 2000. In order to get this case on track toward remediation of the existing contamination and ultimately, DNR case closure, please have your consultant prepare and submit documentation on the status of this case. If you do not have a consultant, please notify the department as to your intentions to submit the requested documentation. The information should be provided in writing to me by February 24, 2008.

Forward the requested updates, detailing the current status of the case, to the attention of:

WI Dept of Natural Resources Philip Richard 875 South 4<sup>th</sup> Avenue Park Falls, WI 54552



If you have any questions regarding this correspondence, please contact me at 715-762-1352.

Sincerely,

Philip E. Richard Hydrogeologist Remediation and Redevelopment Program

C: Matt Taylor, Cedar Corporation, 604 Wilson Ave, Menomonie, WI 54751 File CASE ACTIVITY REPORT FOR REGULATORS 11 - 02

000 BRATS 9/13/05

Department of Natural Resource

Case Title Case ID 03-48-22,4619. HENSEN DIRETTIC 29.4-3119 ×105 Date of Activity Arlen Howson Alex Talked to - Mitch elenson. - Still at facility (Huusen Electric) - Gros used to hel equipment - flas drivky water well about 100 feet from the trak des - Black Lepperd and white tente Cous = Tank wes in ground 10-15 year - Arlew will talk to match again and have han give we a call. Exhibit Reference life Ald Date of Report **Regulator** Reporting 9/15/08
Recordel



# State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor Scott Hassett, Secretary John Gozdzialski, Regional Director Park Falls Service Center 875 South 4<sup>th</sup> Avenue Park Falls, Wisconsin 54552 Telephone 715-762-3204 FAX 715-762-4348

July 15, 2005

Arlan Hanson Hanson Electric 613 Highway 35 Osceola, WI 54020

> Subject: Project Status Update Request for Hanson Electric, 613 Highway 35, Farmington, WI BRRTS Case # 03-49-234619

Dear Mr. Hanson:

On November 23, 1999, you were notified by the Wisconsin Department of Natural Resources (DNR) of your responsibility to investigate and, as needed, clean up contamination located at the above-referenced property. As owner of this property you have certain legal responsibilities, as outlined in Section 292.11(3), Wisconsin Stats., also known as the hazardous substances spills law. Section 292.11(3) states:

• RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands or waters of the State.

Our files indicate that we have not received any written correspondence from you. In order to get this case back on track toward remediation of the existing contamination and ultimately, DNR case closure, please have your consultant prepare and submit documentation on the status of this case. If you do not have a consultant, please notify the department in writing within the next thirty days as to your intentions to submit the requested documentation. A lack of response to this letter may result in the initiation of formal enforcement actions.

Forward the requested updates, detailing the current status of the case, to the attention of:

WI Dept of Natural Resources Philip Richard 875 South 4<sup>th</sup> Avenue Park Falls, WI 54552

If you have any questions regarding this correspondence, please contact me at 715-762-1352. Sincerely,

Philip E. Richard Hydrogeologist

file

cc:

Mark Iverson, Cedar Corporation, 604 Wilson Ave, Menomonie, WI 54751

Quality Natural Resources Management Through Excellent Customer Service





# State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor Darrell Bazzell, Secretary William H. Smith, Regional Director Northern Region Headquarters 107 Sutliff Ave. Rhinelander, Wisconsin 54501 Telephone 715-365-8900 FAX 715-365-8932 TTY 715-365-8957

December 5, 2001

ARLAN HANSON HANSON ELECTRIC 613 HWY 35 OSCEOLA, WI 54020

## Re: HANSON ELECTRIC, BRRTS # 03-49-234619

Dear MR. HANSON:

In the past the Department of Natural Resources has informed you of responsibility to address contamination which resulted from a release of petroleum related compounds. The purpose of this letter is to alert you to a change that takes effect this month relating to the reimbursement of eligible costs under the Petroleum Environmental Cleanup Fund Act or PECFA. On December 22, 2001 the amount of financial assistance that the Department of Commerce is able to reimburse under the PECFA program for eligible costs associated with the cleanup of petroleum related contamination associated with the release from an above ground or underground storage tank will be reduced due to statutory requirements.

Under current law a responsible party must pay a \$2,500 deductible and 5% co-payment of eligible costs associated with underground storage tanks and a \$15,000 deductible and 2% co-payment for cost over \$200,000 for above ground tanks. Both provisions will change to a \$10,000 deductible with no co-payment on December  $22^{nd}$ . In addition the maximum amount of an award will be reduced from \$1,000,000 to \$190,000.

The changes may have a significant impact on your ability to adequately address contamination present on the property. The longer contamination is left in the environment the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and neighboring properties and reduce your costs in investigating and cleaning up the contamination. Please remember that you have legal responsibility as outlined in Section 292.11 (3) Wisconsin Statutes, which states:

A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

In order to qualify for the current deductible and maximum award the following activities must occur before December 22, 2001. To ensure that your cleanup complies with Wisconsin's laws

and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. The Department has spelled out the process that must be followed in selecting the consultant. Those procedures are covered in the attached fact sheet. Once the consultant is hired you should submit <u>written</u> verification (such as a letter from the consultant) that they have been hired. The consultant should immediately begin the investigation of the degree and extent of contamination. The Department of Commerce has established rules, COMM 47.335(4) which states that "an investigation shall be considered started if, after confirmation of contamination is obtained, additional soil borings, soil sampling or monitoring well construction have begun..."

Our records indicate that you may not have begun the investigation of the contamination. If you have begun, please work with your consultant to make sure that you qualify for the current award. The Department has provided detailed technical guidance to environmental consultants. Your consultant is expected to know our technical procedures and administrative codes and should be able to answer your questions on meeting cleanup requirements.

All correspondence regarding this site should be sent to:

Danielle Lancour Remediation and Redevelopment Program Wisconsin Department of Natural Resources 107 Sutliff Ave. Rhinelander, WI 54501

For more information on the PECFA program, please call the Department of Commerce at 608-266-2424 or visit their web site at: http://www.commerce.state.wi.us/COM/Com-Petroleum.html. Thank you in advance for your consideration of this matter, please feel free to contact me at (715) 365-8976 if you have any questions.

Sincerely,

rasi

John Robinson Morthern Region Team Supervisor Bureau for Remediation & Redevelopment

Enclosures: PECFA Fact Sheet Selecting a consultant



# State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Tommy G. Thompson, Governor George E. Meyer, Secretary William H. Smith, Regional Director Northern Region Headquarters 107 Sutliff Ave. Rhinelander, Wisconsin 54501 Telephone 715-365-8900 FAX 715-365-8932 TDD 715-365-8957

NOR UID # 03-49-234619

November 23, 1999

Arlan Hanson Hanson Electric 613 Hwy. 35 Osceola, WI 54020

SUBJECT: Hanson Electric, 613 Hwy. 35, Farmington, WI

Dear Mr. Hanson:

On November 11, 1999, the Department of Natural Resources - Remediation and Redevelopment Program was notified by Mark Iverson of Cedar Corporation that unleaded gasoline contamination was discovered during tank removal activities at the above referenced site.

Based on the information we have received, the Department believes that you are responsible for restoring the environment at this site under Section 292.11(3), Wisconsin Stats. known as the hazardous substances spills law. Your responsibilities include investigating the extent of the contamination, and then selecting and implementing the most appropriate remedial action. Enclosed is information to help you understand what you need to do to ensure your compliance with the spills law.

The purpose of this letter is threefold: 1) to describe your legal responsibilities, 2) to explain what you need to do to investigate and clean up the contamination, and 3) to provide you with information about cleanups, environmental consultants, and working cooperatively with the Department of Natural Resources.

# Legal Responsibilities:

Your legal responsibilities are defined both in statute and in administrative rules. The hazardous substances spill law, Section 292.11(3) Wisconsin Statutes, states:

\* RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Codes NR 700 through NR 728 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Chapter NR 708 includes provisions for immediate actions in response to limited contamination. Wisconsin Administrative Code NR 140 establishes groundwater standards.



## Steps to Take:

The longer contamination is left in the environment the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and to neighboring properties and reduce your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies with Wisconsin's laws and rules, you should hire a professional environmental consultant who understands what needs to be done. The following are the first four steps to take:

- 1. Within thirty (30) days, please submit <u>written</u> verification (such as a letter from the consultant) that you have hired an environmental consultant. You will need to work quickly to meet this timeline.
- 2. Within sixty (60) days, your consultant must submit a workplan and a schedule for conducting the investigation. The consultant must follow the Department's administrative rules and our technical guidance documents. Please include with your workplan a copy of any previous information that has been completed for your site (such as an underground tank removal report, or a preliminary soil excavation report).
- 3. Please keep us informed of what is being done at your site. You or your consultant must provide us with a <u>brief</u> report at least every 90 days, starting after your workplan is submitted. These quarterly reports should summarize the work completed since the last report. Quarterly reports need only include one or two pages of text, plus any relevant maps and tables. However, please note that should conditions at your site warrant, you may receive a letter requiring more frequent contacts with the Department. You will also receive one annual site status report form in February.
- 4. When the site investigation is complete, your consultant must submit a full report on the extent and degree of soil and groundwater contamination and a proposal for cleaning up the contamination.

Due to the number of contaminated sites and our staffing levels, we will be unable to respond to each report. To maintain your compliance with the spills law and chs. NR 700 through NR 728, do not delay the investigation and cleanup by waiting for DNR responses. We have provided detailed technical guidance to environmental consultants. Your consultant is expected to be familiar with our technical procedures and administrative codes and should be able to answer your questions on meeting Wisconsin's cleanup requirements.

Your correspondence and reports regarding this site should be sent to the Department at the following address: Danielle Lancour, Wisconsin Department of Natural Resources, 107 Sutliff Ave., Rhinelander, WI 54501. Unless otherwise requested, please send only one copy of all plans and reports.

## Information for Site Owners:

Enclosed is a list of environmental consultants and some important tips on selecting a consultant. If you are eligible for Wisconsin's PECFA program (see end of letter) you will need to compare at least three consultants' proposals before hiring a consultant. Consultants and laboratories working in the PECFA program are required to carry errors and omissions insurance to help protect you against unsuitable work.

Also enclosed are materials on controlling costs, understanding the cleanup process, and choosing a site cleanup method. This information has been prepared to help you understand your responsibilities and what your environmental consultant needs to do. Please read this information carefully.

If you are interested in obtaining the protection of limited liability under s. 292.15, Stats., please contact Mark Giesfeldt at (608) 267-7562 or Darsi Foss at (608) 267-6713, in the Department of Natural Resources' Madison office for more information. The liability exemption under s. 292.15 Stats., is available to persons who meet the definition of "purchaser" in s. 292.15(1)(c) and receive Department approval for the response actions taken at the property undergoing cleanup. The Department will determine eligibility for this program on a case-by-case basis, prior to the "purchaser" developing a scope of work for conducting a ch. NR 716 site investigation at the property.

## Financial Information:

Reimbursement from the Petroleum Environmental Cleanup Fund (PECFA) is available for the costs of cleaning up contamination from eligible petroleum storage tanks. The fund is administered by the Department of Commerce (DCOM). Please contact DCOM at (608) 267-3753 for more information on eligibility and regulations for this program.

If you have administrative questions (file and data management), please call Danielle Lancour at (715) 365-8986. If you have technical questions (science, code interpretation, remediation), please call Tom Kendzierski at (715) 635-4057.

Thank you for your cooperation.

Sincerely,

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Danielle Lancour Remediation and Redevelopment Program

Enclosures

File cc:

Mark Iverson, Cedar Corp., 604 Wilson Ave., Menomonie, WI 54751



January 5, 2000

604 Wilson Avenue • Menomonie, Wisconsin 54751

# RECEIVED DNR SPOONER 200 JAN 7 PM 2 21

715-235-9081 800-472-7372 Fax • 715-235-2727 www.cedarcorp.com

'00 JAN 7 PM 2

Mr. Tom Kendzierski WDNR Northern Region 107 Sutliff Avenue Rhinelander, WI 54501

SUBJECT: Hanson Electric, Osceola, Wisconsin Site ID#03-49-234619

Dear Mr. Kendzierski:

On September 22, 1999, Cedar Corporation completed an environmental assessment during the removal of a 1,000 gallon gasoline tank at the Hanson Electric property south of Osceola, Wisconsin. During the assessment, three samples were collected and submitted for laboratory analysis. Two samples (#1 and #2) were collected from directly beneath the tank, at the north and south end, and a third sample (#4) was collected 1.5 feet beneath the northmost sample (#2). All samples were analyzed for gasoline range organics (GRO) and petroleum volatile organic compounds (PVOCs). The results indicated that no GRO was detected in Sample #1; 424 ppm GRO was present in Sample #2; and 15 ppm GRO was present in Sample #4. Due to the inability to dig in the limestone bedrock beneath Sample #4, no further samples were collected.

The results of the assessment indicate that product was lost from the tank system at Hanson Electric. However, the quantity appears limited to a small amount. The tank system appeared to be in good shape; the tank was rusty but not pitted. The soil sample collected at 7.5 feet below ground surface (bgs) had significantly lower GRO concentrations than the one collected from directly beneath the tank bed indicating that contaminant concentrations decrease with depth. The hard nature of the limestone prohibits additional soil sampling beneath 7.5 feet bgs. Any investigation in this area will likely be prohibited from collecting proper laboratory samples due to the difficulty in sampling limestone. Also, if any contaminants are present in the rock, they will volatilize from the heat generated in the drilling procedure.

I have enclosed a copy of the tank closure report for your review. Hanson Electric would appreciate you reviewing the report to determine if an investigation is warranted. If you have any questions or need any additional information, please contact me at 715-235-9081.

Sincerely,

CEDAR CORPORATION

Mark Iverson Environmental Specialist

MWI/jlk

cc: Arlan Hanson 613 Highway 35 Osceola, WI 54020



# RECEIVED DNR SPOONER

# '00 JAN 7 PM 2 21

Tank Closure And Environmental Site Assessment Report For Arlan Hanson 613 Hwy. 35 Osceola, WI 54020

Site:

Hanson Electric 613 Hwy. 35 Osceola, WI 54020

November 1999

Mark Iverson

CSA #46672

Cedar Corporation Project #1964-0014-303-01

Cedar Corporation 604 Wilson Avenue Menomonie, WI 54751

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- I. Ownership and Personnel Involved
- II. Background Information
- III. Tank Closure
- IV. Cleaning Wastes
- V. Environmental Assessment
- VI. Standard of Care

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# **TABLE**

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 Soil Sample - Field and Analytical Results

## **APPENDICES**

- Appendix A Site Assessor Certification
- Appendix B Field Procedures
- Appendix C Analytical Results
- Appendix D Tank Inventory Form (SBD-7437)

# OWNERSHIP AND PERSONNEL INVOLVED

In September 1999, Cedar Corporation provided environmental site assessment consulting services during the closure of one underground storage tank located at Hanson Electric. The site is located on Hwy. 35 South south of Osceola, WI (Figure 1).

| Tank Location:                                      | Hanson Electric<br>613 Hwy. 35<br>Osceola, WI 54020<br>NW 1/4 of SW 1/4. Sec. 34. Township 33 N. Range 19 W   |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Tank Owner:                                         | Arlan Hanson<br>613 Hwy. 35<br>Osceola, WI 54020<br>Phone: 715-294-3119                                       |
| Engineering/Tank<br>Cleaning Services:              | River Oil Company<br>448 Hwy. 35, P.O. Box 216<br>Somerset, WI 54025<br>Phone: 715-247-3383                   |
| Certified Tank Removal<br>and Cleaning Technicians: | Richard Leverty<br>Certification No.: 656295                                                                  |
| Tank Inspector or<br>Third Party:                   | Randy Shervey<br>13143 County Hwy. OO<br>Chippewa Falls, WI 54729-7377<br>Phone: 715-723-0607<br>LPO #: 00010 |
| Site Assessment Services:                           | Cedar Corporation<br>604 Wilson Avenue<br>Menomonie, WI 54751                                                 |
| Certified Site Assessor:                            | Mark Iverson<br>Certification #: 46672<br>Copy of Certification as Appendix A                                 |

I.



## II. BACKGROUND INFORMATION

Property Use:

The property is the current location of the Hanson Electric shop and office.

Tanks:

| Tank ID # | Size | Contents | Capacity | Status               |
|-----------|------|----------|----------|----------------------|
| 324965    | 1000 | Unleaded | 1000     | Abandoned<br>Removed |

Previous Geotechnical Investigations:

No known geotechnical investigations have been completed on the property.

## III. TANK CLOSURE INFORMATION

Observations:

| Free Product  | N | Excavation Depth    | 7.5 ft. |
|---------------|---|---------------------|---------|
| Soil Staining | N | Free Standing Water | Ν       |
| Soil Odors    | Y |                     |         |

Tank and Piping Conditions:

| Pitted | N | Holed          | Ν  |
|--------|---|----------------|----|
| Rusted | Y | Coating Intact | NA |

Other Observations: The tank appeared to be in good condition. There were no visible pitts or holes.

## IV. <u>CLEANING WASTES</u>

Cleaning and disposal of the tank and piping was completed by Riverview Oil. The cleaning wastes were also collected and transported by Riverview Oil.

## V. ENVIRONMENTAL ASSESSMENT

Two soil samples were collected beneath the tank at six feet below ground surface (bgs). An addition sample was collected at 7.5 feet bgs. Samples could not be collected beyond this due to the extremely hard nature of the limestone. Obvious contamination did not limit sample collection.

Sample Method Field:PIDLab:GRO and PVOC

Laboratory:

Test America 602 Commerce Drive Watertown, WI 53094 Phone: 920-261-1660 WI DNR Certification No. 128053530

| SAMPLE ID | DEPTH FT. | PID I.U. | GRO PPM | MOISTURE % |
|-----------|-----------|----------|---------|------------|
| 1         | 6         | 0        | <6.1    | 18.6       |
| 2         | 6         | 2120     | 424     | 17.4       |
| 3         | 7         | 172      | -       |            |
| 4         | 7.5       | 146      | 15      | 14.3       |

#### TABLE OF RESULTS

Results of Assessment:

Analytic results indicate that a release has occurred from the petroleum system at Hanson Electric. The DNR has been notified of the release.

## VI. STANDARD OF CARE

Cedar Corporation has completed the work described within this report and warrants its contents to be factual. The analytical results are reported within the limits of the methods employed to provide analyses for the various compounds tested. No guarantee or warranty is expressed or implied of the conclusions forwarded in this report.



# APPENDIX A

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# SITE ASSESSOR CERTIFICATION

1. 1. 1. 1. 1. and second as Second and the second second second 1.187 0 Id: 400/2 MARK W IVERSON Certification License, or Registration Name 46672 Expires

Certification, License, or Registration Name Expire Soil Tester Certification 06/30 PECFA Consultant Registration 11/20 Site Assessor Certification 11/19 Wisconsin Department of Commerce Signature: W. M. J. W.

Expires 06/30/01 11/20/00 11/19/00 PrCe

# APPENDIX B

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# FIELD PROCEDURES

#### SOIL SAMPLING TECHNIQUES

#### Hand Auger Soil Borings

Soil samples were recovered from soil borings completed with a stainless steel auger. The auger consists of a 12 inch long,  $3\frac{1}{2}$  inch diameter enclosed sampling device. It is connected to  $4\frac{1}{2}$  foot long rods equipped with screw threads such that additional sections can be added to increase the depth of sampling. The auger sections are marked to identify the depth of the sample. The auger is decontaminated prior to each sampling event.

#### Hollow Stem Auger Soil Borings

Soil borings at this site were completed using 4 1/4 inch HSA (hollow stem augers) at locations as determined by the existing conditions and at the direction of the field supervisor. Soil samples were recovered using standard split spoon sampling methods. In this method, a 2 inch diameter, 24 inch sample spoon is attached to an AW rod. When the auger has reached the desired depth, the spoon is lowered into the auger until it reaches the top of the sampling interval. Using a 140 pound hammer dropped 30 inches, the spoon is driven into the formation. A sample catcher in the tip holds the sample in the spoon. During the driving of the spoon, the number of hammer blows is noted for each six inches of advancement. These values are recorded on the driller's logs.

The sample spoon is retrieved from the boring and opened. A field geological log is completed and the soils are sampled for field screening, laboratory analysis, and/or sieve analysis. Prior to reuse, the sampling equipment is decontaminated.

#### Hydraulically Advanced Sampling Techniques

Hydraulically advanced sampling techniques, such as Geoprobe<sup>R</sup>, typically use a one inch outer diameter steel probe with a large bore soil core sampler. The probe rods and the sampling unit are driven to the desired sampling depth by a carrier vehicle mounted sampling unit. The probe rods and sampler are hydraulically advanced using the static weight of the carrier vehicle to assist in penetrating the formation or a combination of vehicle weight and hydraulic hammer percussion. Typical sample lengths are 24 inches.

While driving the soil core sampler to the desired depth, a pin stops the end point and piston from sliding into the collection tube. At the desired sampling depth, the pin is removed and the probe rods advanced some 24 inches. The piston and end point are forced into the collection chamber by the sample being collected. Sample collection chambers are typically lined with removable acetate sleeves. The sampling device is brought to the surface and the sample, contained in the acetate sleeve, retrieved from the carrier assembly.

Upon retrieval the sample is immediately opened, logged, sampled for laboratory analysis (if required) and placed in a clean jar for Headspace Analysis. After each sampling event the probe rods and soil core sampling equipment are decontaminated. A new acetate liner is placed in the sampling chamber for the next sampling event.

#### Soil Sample Collection

Soil samples are recovered at various depths and locations as directed by the on site environmental specialist/geologist. Samples are recovered using clean stainless steel sampling devices which are cleaned between each sampling event by personnel trained in sampling procedures. At the desired sample location, a soil sample is immediately collected from the sampling unit with a clean spatula and placed in a one quart glass jar for field screening. If desired, a split sample is collected and placed in a laboratory specimen jar with a Teflon lined septum for laboratory analysis. Personal protective equipment including latex disposable gloves, safety glasses, boots, hard hats, and organic vapor masks are used as necessary as protection from potential contaminants.

#### Field Screening

Soil samples recovered at various depths and locations during the investigation are logged and field screened using a Photovac Microtip MP-1 PID (photo ionization detector) with a 10.6eV lamp or a Flame Ionization Detector (FID). Field screening is completed using the "Headspace Method" wherein sufficient sample is placed in a one quart glass jar. The jar is tightly sealed with aluminum foil, agitated to break up the soil, and slightly warmed to encourage the release of any volatile organic compounds in the sample. After a suitable waiting period as defined in Wisconsin Administrative Code ILHR 10, the foil is pierced and the sampling probe of the instrument is introduced into the "headspace" and an analysis of the vapor in the jar is completed.

#### TOOL CLEANING METHODS

Any tools used in a sampling event (soil or groundwater) are thoroughly cleaned between each sampling event to eliminate potential cross-contamination of samples. An Alconox and water solution and a scrub brush are used to remove residual contaminants that may be present on the device. After all potential contaminants are believed to have been removed, the tools are triple rinsed including a rinse in deionized water to remove the detergent solution. The tools are then placed on a clean surface to air dry.

#### ANALYTICAL LABORATORY SAMPLE PREPARATION

#### Soils

When a soil sample is to be laboratory analyzed, a sample is taken and sealed in a laboratory provided glass jar having a Teflon lined septum. WDNR Analytical and Quality Assurance Guidance, July, 1993, PUBL-SW-130-93 is used for sampling and analytical guidance. For modified GRO, VOC, and PVOC analyses, a minimum of 25 grams and up to a maximum of 70 grams of sample are preserved in methanol in a 120 ml capacity sample containers. For DRO analysis, a minimum of 25 grams and up to a maximum of 70 grams of sample are collected in 120 ml capacity sample containers. Additional samples are collected to determine dry weight for all four analyses. The samples are transferred to a cooler to maintain a sample temperature of 4°C.

#### Groundwater

Monitoring wells being sampled after development must be purged. According to the Wisconsin Department of Natural **Resources Groundwater Sampling Procedures Field Manual** (PUBL-WR-168-87), the monitoring well to be sampled must have four well volumes purged by use of a pump or bailer and transferred to a laboratory acquired bottle by a bottom emptying device. Latex disposable gloves are worn throughout the purging and collection procession. Sampling is completed following the WDNR Analytical and Quality Assurance Guidance, July, 1993. GRO samples are collected in 40 ml glass vials, DRO samples in one liter amber glass containers, and VOC and PVOC samples in three 40 ml glass vials. All vials and containers have Teflon lined septums. All samples are preserved with HCl as the method requires. The samples are preserved on ice at or below a temperature of 4 degrees Celsius throughout handling and shipment to the laboratory.

#### Air Sample Collection

Air samples are collected by drawing 200 cubic centimeters per minute through a carbon adsorption tube for 15 minutes. This produces a sample of 3 liters volume as required by the analytical method. The samples are preserved on ice and shipped to a laboratory. Analyses for benzene and total hydrocarbons are completed following the NIOSH Methods 1501 and 1550, respectively.

#### Sample Preservation During Shipping

Samples to be laboratory analyzed are placed in a cooler with ice to preserve the sample temperature at or just below 4° Celsius. Samples are shipped in an insulated sealed cooler with ice and cushioned / insulated in bubble wrap to maintain the 4° C temperature. When opened in the laboratory, the sample custodian notes sample conditions and temperature or notes "on ice" on the chain of custody record to verify sample preservation. In the laboratory, samples are stored in a refrigerated location.

#### Laboratory Procedures

For this project the samples were sent to a Wisconsin Department of Natural Resources certified laboratory as noted in the main body of the report. Samples collected during this project were analyzed following those analytical procedures documented in the LUST Analytical Guidance PUBL-SW-130-93, July 1993. Analytical procedures referenced in this report are defined in the LUST Analytical Guidance and/or the EPA Methods Manual (EPA SW-846) which fully describes the procedures for each method. These procedures include specific quality control criteria as associated with the particular method. The requirements include instrument calibration and quality control samples and require daily laboratory performance tests as well as demonstrations of instrument precision and accuracy.

#### CHAIN-OF-CUSTODY DOCUMENTATION

This section describes procedures to identify samples and document handling of the sample. The purpose of these procedures is to ensure that the integrity of the samples is maintained during collection, transportation, storage and analysis.

#### Sample Identification

Sample identification documents are carefully prepared so that sample identification and chain-of-custody is maintained and sample disposition controlled.

Sample identification documents include:

- \* field notebooks
- \* sample labels
- \* chain-of-custody (DNR Form 4400-151)

Each sample is labeled, physically preserved, and sealed immediately after collection. To minimize handling of sample containers, labels are completed immediately prior to sample collection. The sample label is completed using waterproof ink and is firmly affixed to the sample containers. The sample label provides the following information:

- \* location
- \* sample number
- \* date and time of collection
- \* analysis required
- \* name of sampler

A chain-of-custody record (DNR Form 4400-151 or similar) is fully completed in duplicate by the sampler immediately following sample collection.

#### Shipping Transfer of Custody

The coolers in which the samples are packed are accompanied by the chain-of-custody record. When transferring samples, the individuals relinquishing and receiving them sign, date, and note the time of transfer on the chain-of-custody record.

#### Laboratory Custody Procedures

A designated sample custodian accepts custody of the shipped samples and verifies that the sample identification number matches that on the chain-of-custody record. This individual also records the temperature of the received samples on the chain of custody records. Any discrepancies are immediately noted to the sampler. A copy of the completed chain-of-custody record is retained by the laboratory until analyses are completed. The record is returned to the project file with the analytical results.

# APPENDIX C

# ANALYTICAL RESULTS

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# ANALYTICAL AND QUALITY CONTROL REPORT

Test/America

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751 10/04/1999 Job No: 99.08492 Page 1 of 4

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

| Sample<br>Number | Sa | mple Description            | Date<br>Taken | Date<br>Received |
|------------------|----|-----------------------------|---------------|------------------|
| 366739           | #1 | #1964-0014-303-01 Riverviev | w 09/22/1999  | 09/24/1999       |
| 366740           | #2 | #1964-0014-303-01 Riverviev | w 09/22/1999  | 09/24/1999       |
| 366741           | #4 | #1964-0014-303-01 Riverviev | w 09/22/1999  | 09/24/1999       |

Soil results are reported on a dry weight basis. The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

- A = Analyzed/extracted past hold time
- C = Standard outside of control limits
- F = Sample filtered in lab
- H = Late eluting hydrocarbons present
- J = Estimated concentration
- M = Matrix interference
- Q = Result confirmed via re-analysis
- T = Does not match typical pattern
- X = Unidentified compound(s) present

- B = Blank is contaminated
- D = Diluted for analysis
- G = Received past hold time
- I = Improperly handled sample
- L = Common lab solvent and contaminant
- P = Improperly preserved sample
- S = Sediment present
- W = BOD re-set due to missed dilution
- Z = Internal standard outside limits

Brian D. DeJong Organic Operations Manager

602 COMMERCE DRIVE / WATERTOWN, WI 53094 / 920-261-1660 / FAX: 920-261-8120 WDNR NO. 128053530

# Test America

ANALYTICAL REPORT

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751 10/04/1999 Job No: 99.08492 Sample No: 366739 Account No: 13800 Page 2 of 4

JOB DESCRIPTION: #1964-0014-303-01 Riverview Oil PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: #1 #1964-0014-303-01 Riverview Rec'd on ice

Date/Time Taken: 09/22/1999 08:40

Date Received: 09/24/1999

|                                    |         | Date    | Prep/Run |         |            |       |
|------------------------------------|---------|---------|----------|---------|------------|-------|
| Parameter                          | Results | Units   | Limit    | Method  | Analyzed   | Batch |
| Solids, Total<br>PVOC - NONAQUEOUS | 81.4    | \$      | n/a      | SW 5030 | 09/30/1999 | 295   |
| Benzene                            | <31     | ug/kg   | 25       | SW 8020 | 10/01/1999 | 2454  |
| Ethylbenzene                       | <31     | ug/kg . | 25       | SW 8020 | 10/01/1999 | 245   |
| Methyl-t-butyl ether               | <31     | ug/kg   | 25       | SW 8020 | 10/01/1999 | 245   |
| Toluene                            | <31     | ug/kg   | 25       | SW 8020 | 10/01/1999 | 2454  |
| 1,2,4-Trimethylbenzene             | <31     | ug/kg   | 25       | SW 8020 | 10/01/1999 | 2454  |
| 1,3,5-Trimethylbenzene             | <31     | ug/kg   | 25       | SW 8020 | 10/01/1999 | 245   |
| Xylenes, Total                     | <92     | ug/kg   | 75       | SW 8020 | 10/01/1999 | 245   |
| GRO                                | <6.1    | mg/kg   | 5.0      | WDNR    | 10/01/1999 | 2454  |
| Surr: Bromofluorobenzene           | 99.0    | ક       | n/a      | SW 8020 | 10/01/1999 | 2454  |

# ANALYTICAL REPORT

INCORPORATED

Test/America

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751 10/04/1999 Job No: 99.08492 Sample No: 366740 Account No: 13800 Page 3 of 4

JOB DESCRIPTION: #1964-0014-303-01 Riverview Oil PROJECT DESCRIPTION: Soil Analysis #2 #1964-0014-303-01 Riverview SAMPLE DESCRIPTION: Rec'd on ice

Date/Time Taken: 09/22/1999 08:45 Date Received: 09/24/1999

|                                    |         | Date  | Prep/Run |         |            |       |
|------------------------------------|---------|-------|----------|---------|------------|-------|
| Parameter                          | Results | Units | Limit    | Method  | Analyzed   | Batch |
| Solids, Total<br>PVOC - NONAQUEOUS | 82.6    | \$    | n/a      | SW 5030 | 09/30/1999 | 2956  |
| Benzene                            | 1,210   | ug/kg | 25       | SW 8020 | 10/01/1999 | 2454  |
| Ethylbenzene                       | 2,420   | ug/kg | 25       | SW 8020 | 10/01/1999 | 2454  |
| Methyl-t-butyl ether               | <600    | ug/kg | 25       | SW 8020 | 10/01/1999 | 2454  |
| Toluene                            | 8,350   | ug/kg | 25       | SW 8020 | 10/01/1999 | 2454  |
| 1,2,4-Trimethylbenzene             | 23,000  | ug/kg | 25       | SW 8020 | 10/01/1999 | 2454  |
| 1,3,5-Trimethylbenzene             | 10,000  | ug/kg | 25       | SW 8020 | 10/01/1999 | 2454  |
| Xylenes, Total                     | 36,300  | ug/kg | 75       | SW 8020 | 10/01/1999 | 2454  |
| GRO H                              | 424     | mg/kg | 5.0      | WDNR    | 10/01/1999 | 2454  |
| Surr: Bromofluorobenzene           | 86.5    | 8     | n/a      | SW 8020 | 10/01/1999 | 2454  |

# ANALYTICAL REPORT

**Test**America

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751

10/04/1999 Job No: 99.08492 Sample No: 366741 Account No: 13800 Page 4 of 4

#1964-0014-303-01 Riverview Oil JOB DESCRIPTION: PROJECT DESCRIPTION: Soil Analysis #4 #1964-0014-303-01 Riverview SAMPLE DESCRIPTION: Rec'd on ice

Date/Time Taken: 09/22/1999 08:50 Date Received: 09/24/1999

|                                    |   |         |         | Reporting | Date    | Prep/Run   |       |
|------------------------------------|---|---------|---------|-----------|---------|------------|-------|
| Parameter                          |   | Results | Units   | Limit     | Method  | Analyzed   | Batch |
| Solids, Total<br>PVOC - NONAQUEOUS |   | 85.7    | 8       | n/a       | SW 5030 | 09/30/1999 | 295   |
| Benzene                            |   | <29     | ug/kg   | 25        | SW 8020 | 10/01/1999 | 2454  |
| Ethylbenzene                       |   | 50      | ug/kg . | 25        | SW 8020 | 10/01/1999 | 245   |
| Methyl-t-butyl ether               |   | <29     | ug/kg   | 25        | SW 8020 | 10/01/1999 | 245   |
| Toluene                            |   | 100     | ug/kg   | 25        | SW 8020 | 10/01/1999 | 2454  |
| 1,2,4-Trimethylbenzene             |   | 1,030   | ug/kg   | 25        | SW 8020 | 10/01/1999 | 2454  |
| 1,3,5-Trimethylbenzene             |   | 502     | ug/kg   | 25        | SW 8020 | 10/01/1999 | 245   |
| Xylenes, Total                     |   | 957     | ug/kg   | 75        | SW 8020 | 10/01/1999 | 245   |
| GRO                                | Н | 15      | mg/kg   | 5.0       | WDNR    | 10/01/1999 | 2454  |
| Surr: Bromofluorobenzene           |   | 97.0    | 8       | n/a       | SW 8020 | 10/01/1999 | 2454  |

| Test<br>Incorporates<br>CHAIN OF C<br>COMPANY <u>CEDAR</u><br>ADDRESS <u>604</u><br>PHONE <u>715-235</u><br>PROJECT NAME/LOC<br>PROJECT NUMBER_<br>PROJECT MANAGER |           |                          |                            |                                     |                           |        |      | CI<br>AR (<br> | CUSTODY RECORD<br>2 CORPORATION<br>WILSON AND MENOMONIE<br>5-9021 FAX 235-2727<br>DATION RIVERVIEW Dil- USCEDIA<br>1964-0014-303-01<br>3 Mark TJERSON<br>ANALYSES |                            |             |       |             |             |               |             |              |                    |   |           | . 0 8 4 9 2<br>REPORT TO: <u>CEDRE CORPORATION</u><br>INVOICE TO: <u>Cedor</u><br>P.O. NO<br>QUOTE NO |                                          |                                                                              |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------|----------------------------|-------------------------------------|---------------------------|--------|------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------|-------|-------------|-------------|---------------|-------------|--------------|--------------------|---|-----------|-------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------------|--|
|                                                                                                                                                                    |           | TYER                     |                            |                                     | MATURE                    |        | fi-  | <u>e</u> ~-    |                                                                                                                                                                   |                            |             |       | - S         |             |               |             |              |                    | , |           |                                                                                                       | To assist us in<br>Is this work being    | selecting the proper method g conducted for regulatory                       |  |
| (PRINT N                                                                                                                                                           | AME)      |                          |                            | SIGN                                | ATURE                     |        | ~    | [              |                                                                                                                                                                   | # and<br>Con               | Type        | of    | RO + P      |             | ł             |             |              |                    |   |           |                                                                                                       | Is this work being<br>enforcement action | g conducted for regulatory<br>ion? Yes No<br>is apply: RCRA NPDES Wastewater |  |
| DATE                                                                                                                                                               | ТімЕ      |                          | SAMPLE ID/DESC             | RIPTION                             |                           | MATRIX | GRAB | COMP           | HCI                                                                                                                                                               | HNO <sup>S</sup>           | OS H        | OTHER | 1-0<br>0-10 |             | •             |             |              |                    |   |           |                                                                                                       |                                          | UST Drinking Water<br>Other None<br>COMMENTS                                 |  |
| 2-90                                                                                                                                                               | 840       | ±≠ i                     |                            |                                     |                           | 5      | x    |                | -                                                                                                                                                                 |                            |             | Ð     | X           |             |               |             |              |                    |   |           |                                                                                                       | Preserve                                 | & with 25mls MeOH                                                            |  |
|                                                                                                                                                                    | 845       | #2                       |                            |                                     |                           | 5      | x    |                |                                                                                                                                                                   |                            | 10          | 23    | - <u>X</u>  |             |               |             |              |                    |   |           | _                                                                                                     |                                          | 1 1 2                                                                        |  |
| V                                                                                                                                                                  | 850       | #4                       |                            |                                     |                           | 5      | X    |                |                                                                                                                                                                   | _                          | _           | 3     | <u>  X</u>  |             |               | _           | · ·          |                    |   |           |                                                                                                       | V Po                                     | Ho 9645 #7                                                                   |  |
|                                                                                                                                                                    |           |                          |                            |                                     |                           |        |      |                |                                                                                                                                                                   |                            |             |       |             |             |               |             |              |                    |   |           |                                                                                                       | <i>bottles</i>                           | Say Hanson Elacho                                                            |  |
|                                                                                                                                                                    |           |                          |                            |                                     |                           |        |      |                |                                                                                                                                                                   |                            | _           |       |             |             |               |             |              | -                  |   |           |                                                                                                       |                                          |                                                                              |  |
|                                                                                                                                                                    |           |                          |                            |                                     |                           |        |      |                |                                                                                                                                                                   |                            |             |       |             |             |               |             |              |                    |   |           |                                                                                                       |                                          | •                                                                            |  |
|                                                                                                                                                                    | ITION OF  | F SAMPLE:<br>AINDER DISP | BOTTLES IN<br>FIELD FILTER | TACT? YES<br>RED? YES /<br>URN SAMP | 5 / NO<br>/ NO<br>LE REMA | INDE   | ER T |                | CO<br>VO<br>JENT                                                                                                                                                  | C SE<br>LATI<br>VIA<br>PLE | EALS<br>LES | FREE  | SEN<br>OF   | T AN<br>HEA | D INT<br>DSPA | ACT?<br>CE? | ? YES<br>YES | s / NO<br>/ NO<br> |   | E         | T<br>B<br>ATE _                                                                                       | EMPERATURE<br>Sottles supplied           | UPON RECEIPT: ON VCE                                                         |  |
| RELING                                                                                                                                                             | UISHED BY | h                        | DATE<br>9/23/99            | тіме<br><i>1400</i>                 | RECEIVE                   | D BY:  |      |                |                                                                                                                                                                   | -                          |             |       | 1           | RELIN       | QUISHI        | ED BY:      |              |                    |   | 04<br>910 | re<br>21/19                                                                                           | TIME<br>14:58                            | RECEIVED FOR LAB BY:<br>SRUDYLODMS                                           |  |
| METH                                                                                                                                                               | OD OF S   |                          | nha                        |                                     | REMAR                     | 185    |      |                |                                                                                                                                                                   |                            |             |       |             |             |               |             |              |                    |   |           |                                                                                                       |                                          | D9/21/99                                                                     |  |

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# APPENDIX D

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# TANK INVENTORY FORM (SBD-7437)

| 09/29/1999 10:40 723-2153                                                                                                                                                                                                 | CFPD                                                                                                                                    |                                                                                                        | PAGE 02                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Reg Obj #: 324965 FLAN                                                                                                                                                                                                    | UNDERGROUND<br>IMABLE/COMBUSTIBL<br>TORAGE TANK INVENT                                                                                  | E LIQUID<br>ORY                                                                                        | Send Completed Form To:<br>Department of Commerce<br>Bureau of Storage Tank Regulation<br>P.O. Box 7637<br>Modium 141 53277 Tanat |
| Underground tanks in Wisconsin that have stored or<br>form is needed for each tank. Send each completed<br>in gistered this tank by submitting a form? If Yes<br>Personal information you provide may be used for seconds | Currently slore petroleum or r<br>form to the agency designate<br>[X] No. If yes, are you correct<br>by purposes. [Privacy Law, s. 15.0 | 12, Wis. Stats.<br>Bgulated substances<br>d in the top right corn<br>ing/updating informat<br>(1)(m)]. | madison, wi 53707-7837<br>must be registerent. A separate<br>ner. Have you previously<br>tion only? [] Yes. [] No                 |
| In Use     In Use     Abandoned with Product     Abandoned without Product (empty)     Abandoned                                                                                                                          | Tank Removed Ov<br>Filled with Inert Materials new<br>ary Out of Service - Provide Date:<br>n with Water                                | nership Change (Indica<br>v owher name in block 2                                                      | Fire Department providing tire<br>coverage where tank is located<br>e) City Village                                               |
| A. IDENTIFICATION (Please Print)<br>1. Tank Site Name<br><u>Hanfeon</u> <u>Flootre</u>                                                                                                                                    | Site Address<br>G13 Harry 3                                                                                                             | 5                                                                                                      | Site Telephone Number<br>(215)294-3119                                                                                            |
| Farmin for)<br>2. Tank Owney Name                                                                                                                                                                                         | Mailing Address                                                                                                                         | 54020                                                                                                  | Polk<br>Telephane Number                                                                                                          |
| City Village Town of:                                                                                                                                                                                                     | G13<br>State Z                                                                                                                          | p Code                                                                                                 | (715) 299 - 5112<br>County<br>Boll                                                                                                |
| 3. Previous Name                                                                                                                                                                                                          | Previous sile address if differen                                                                                                       | t than #1                                                                                              |                                                                                                                                   |
| B. Sile ID #:                                                                                                                                                                                                             | Facility ID #:                                                                                                                          | . [0                                                                                                   | Customer ID #:                                                                                                                    |
| C. 4. Tank Age (age or date installed): / 9                                                                                                                                                                               |                                                                                                                                         | 5. Tank Capacity (g                                                                                    | jallons): 1000                                                                                                                    |
| D. LAND OWNER TYPE (check one) County Private State                                                                                                                                                                       | Federal Owned Tribal Nation                                                                                                             | ] Municipel                                                                                            | Other Government                                                                                                                  |
| E. OCCUPANCY TYPE (check one)<br>Gas/Retail Sales Bulk Storage Utili<br>Agricultural Backup or Emergency Gener                                                                                                            | ty X Marcantile/Comme<br>ator Other (Specify:)                                                                                          | ncial 🔲 Industrial                                                                                     | 🗍 School 🛛 Residential                                                                                                            |
| F. Tank Construction:<br>X Bare Steel Coated Steel (<br>Fiberglass Steel – Fiberglass Reinfo                                                                                                                              | Unknown Sac<br>rced Plastic Composite Dimpi                                                                                             | ic Protection Over<br>ificial Anodes Spill<br>essed Current Task                                       | Containment? Yes No Containment? Yes No                                                                                           |
| Lined (Date): Dther (specify):<br>G. Primary Tank leak detection method:<br>Inventory control and tightness testing<br>Manual tank gauging (only for tanka of 1,000 galions of                                            | Automatic tank g<br>https://www.interstitial.monito<br>ir less)                                                                         | auging<br>ring<br>bry Reconciliation (SIR)                                                             | Groundwater monitoring<br>Vepor monitoring<br>Unknown                                                                             |
| H. Piping Construction:<br>Bara Steel Coated Steel<br>Fiberglass Flexible<br>Other (specify)                                                                                                                              | Unknown Sacri<br>NVA Impre                                                                                                              | Sed Current                                                                                            | Pipe Double Walled? 🔲 Yes 🛃 No                                                                                                    |
| I. Primary Piping System Type; Pressurized pipi<br>Suction piping with check valve at tank Suc<br>J. Piping Leak Detection Method: (used if pressurized<br>Groundwater monitoring Vapor monitoring                        | ng with A. auto shutoff; B.<br>tion piping with check valve at pu<br>or check valve at tank); SIF<br>interstillal moniformg             | alarm or C. I flow<br>mp and inspectable<br>Tighiness testin<br>Not required                           | restrictor Unknown<br>Not needed if waste oil<br>Ig Electronic line leak monitor<br>Unknown                                       |
| K. Vapor Recovery/Stage II CARB #:                                                                                                                                                                                        | Flexible                                                                                                                                | ional - Provide Date (mo                                                                               | )/dəy/yr) <sup>.</sup>                                                                                                            |
| L. TANK CONTENTS (Current, or previous product i Diesel Leaded Other (Specify); Empty Waste/Used Motor Oil Chemice                                                                                                        | f tank now empty)                                                                                                                       | aded F<br>d/Gravel/Slurry* U<br>mene A                                                                 | uel Oil Gaschoł<br>Inknown* Premix<br>Iviation Hazendous Waste*                                                                   |
| Indicate che<br>If chosen, this tank is NOT PECFA eligible.                                                                                                                                                               | Geo Latitude                                                                                                                            | :                                                                                                      | Geo Longitude:                                                                                                                    |
| M. If Tank Closed, Abandoned or Out of Service, give<br>(mo/day/yr): 9-22-99                                                                                                                                              | date Has a site as                                                                                                                      | sessment been compl                                                                                    | leted (see reverse side for details)                                                                                              |
| Owner or Operator Name (please print):                                                                                                                                                                                    |                                                                                                                                         | Indicate wi                                                                                            | or Coperator                                                                                                                      |
| Owner or Operator Signature:                                                                                                                                                                                              |                                                                                                                                         | Date Signe                                                                                             | id i i i i i i i i i i i i i i i i i i                                                                                            |
|                                                                                                                                                                                                                           |                                                                                                                                         | 7-20                                                                                                   | <u>{~ } }</u>                                                                                                                     |

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CFPD

| Wisconsin Department o<br>Labor and Human Relation                                        | f Industry,<br>ons                                                                                                                                                                              | CHECKLIST                             | NDERGROUND RETURN COMPLETED CHECKLIST TO:<br>Safety & Buildings Division                               |                                        |                        |                       |                                       |                 |                  |                         |                       |  |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------|-----------------------|---------------------------------------|-----------------|------------------|-------------------------|-----------------------|--|
| Complete one for each site closure.                                                       | Complete one form for<br>ach site closure.         The information you provide may be used by other<br>government agency programs [Privacy Law, s. 15.04 (1) (m)].         File Pre-<br>Storage |                                       |                                                                                                        |                                        |                        |                       |                                       |                 |                  |                         |                       |  |
| A. IDENTIFICATION: (Ple<br>1. Site Name<br>Hanson ETPC<br>Site Street Address (not P.O. B | ease Print)                                                                                                                                                                                     | er closure is<br>2.<br>0              | re is for: Tank System Tank Only Piping Only<br>2. Owner Name<br>Arlan Ifanson<br>Owner Street Address |                                        |                        |                       |                                       |                 |                  |                         |                       |  |
| City UVIII                                                                                | <u>3</u> S<br>age                                                                                                                                                                               | Town of:                              |                                                                                                        | City Village L Town of: State Zip Code |                        |                       |                                       |                 |                  |                         |                       |  |
| Slate Z                                                                                   | p Code                                                                                                                                                                                          | County                                | c                                                                                                      | ounty                                  | -                      | Teleph                |                                       | nclude a        | rea code         | 12                      | <u>S.</u>             |  |
| 3. Closure Company Name (F                                                                | rini)<br>Ou/                                                                                                                                                                                    | O CI                                  | losure Compai                                                                                          | Street A                               | ddress,<br>35          | -                     | PO                                    | 1.50            | n Kar de         | 2/6                     |                       |  |
| Closure Company Telephone N<br>(2/5) 247-3                                                | o. (include area                                                                                                                                                                                | code) Ci                              | osure Compan                                                                                           | ny City, Sta                           | ie, Zin Cod            | e<br>S Y U            | 125                                   |                 |                  |                         | · · · · ·             |  |
| 4. Name of Company Performing                                                             | ng Closure Asse                                                                                                                                                                                 | orporation                            | ssessment Co<br>V CO4                                                                                  | mpany Stre<br>ஸ்ட்                     | et Address             | City, Sta<br>Ve.ny, e | ite, Zip Co<br>2. Mi                  | de<br>LNO M     | 10~              | ie wa                   | r. 547-               |  |
| Telephone # (Include area co<br>(7) 5) こう5-908                                            | de) Certified As                                                                                                                                                                                | sessor Name (Print)                   | $\sim$                                                                                                 | A930550                                | Signature              | lim                   |                                       |                 | Assesso<br>4     | r Certificat            | ion No.               |  |
| Tank ID #                                                                                 | Closure                                                                                                                                                                                         | Temp, Closure                         | Closure                                                                                                | In Place                               | Tank C                 | apacity               | Conte                                 | nts *           | Closu            | ire Asse                | ssment                |  |
| 1.324165                                                                                  |                                                                                                                                                                                                 |                                       | C                                                                                                      | ]                                      | 1100                   |                       | .0 .                                  | <u>S</u>        |                  |                         | N                     |  |
| 3.                                                                                        |                                                                                                                                                                                                 |                                       | L                                                                                                      | 1                                      |                        |                       |                                       |                 | [                | <u>, , ,</u><br>, , , , | N N                   |  |
| 4.                                                                                        |                                                                                                                                                                                                 | <u> </u>                              |                                                                                                        | ]                                      |                        |                       | 1                                     |                 | ]                |                         | N                     |  |
| 5.                                                                                        |                                                                                                                                                                                                 |                                       |                                                                                                        |                                        |                        |                       |                                       |                 | ſ                | ם אר                    | N                     |  |
| б.                                                                                        |                                                                                                                                                                                                 | D                                     | C                                                                                                      | ]                                      |                        | ••••                  |                                       |                 | ]                | JY D                    | N                     |  |
| * Indicate which product by<br>11-Waste oil; 13-Chemica                                   | numeric code:<br>I (Indicate the                                                                                                                                                                | 01-Diesel; 02-Le<br>chemical name(s   | aded; 03-Ur<br>) or numbers                                                                            | nleaded; 0<br>s(s)                     | 4-Fuel Oi              | ; 05-Gas              | sohol; 06                             | -Other;<br>; 14 | 09-Uni<br>-Keros | (nown; 1(<br>ene; 15-/  | )-Premix;<br>viation. |  |
| Written notification was prov<br>All local permits were obtain                            | ided to the loc                                                                                                                                                                                 | al agent 15 days i                    | in advance t                                                                                           | of closure                             | date. , .              |                       |                                       | ,               |                  |                         |                       |  |
| Check applicable box at                                                                   | right in res                                                                                                                                                                                    | ponse to all sta                      | itements in                                                                                            | ) Sectior                              | ns B - E.              |                       |                                       | <u>Ren</u>      |                  | Inspect                 | or <u>NA</u>          |  |
| Written inspector approv                                                                  | al of temporal                                                                                                                                                                                  | E<br>y closure obtaine                | d, which                                                                                               |                                        |                        |                       |                                       | ver             | ined             | Verifie                 | a                     |  |
| is effective until provide                                                                | date)                                                                                                                                                                                           | · · · · · · · · · · · · · · · · · · · |                                                                                                        |                                        |                        |                       |                                       | ΠY              | 🗋 N              | D                       | 9                     |  |
| a. Product lines drain                                                                    | ed into tack (                                                                                                                                                                                  | or other container                    | and resultin                                                                                           | ng liquid re                           | emoved, /              | AND                   |                                       | ΠY              | ΠN               |                         | ф                     |  |
| <ul> <li>b. All product remove</li> <li>c. All product remove</li> </ul>                  | ed to bottom o                                                                                                                                                                                  | of bottom                             |                                                                                                        | •••••                                  | ••••                   | • • • • • • • •       | • • • • • • •                         |                 |                  |                         | С<br>С                |  |
| 2. Fill pipe, gauge plne,                                                                 | tank truck vap                                                                                                                                                                                  | or recovery fitting                   | s, and vape                                                                                            | r return lin                           | nes cappo              | d                     |                                       | ĽΥ              | ΠN               |                         | đ                     |  |
| <ol> <li>All product lines at th</li> <li>Disperisers/pumps le</li> </ol>                 | e islands or pi<br>ft in place but                                                                                                                                                              | imps located else<br>locked and power | where are re<br>r disconnect                                                                           | ed.                                    | nd capped              | 1, OR                 | <i>.</i>                              |                 |                  |                         |                       |  |
| 5. Vent lines left open,                                                                  |                                                                                                                                                                                                 |                                       |                                                                                                        | ••••••                                 | · · · · · · ·          |                       | • • • • • • •                         | ΞÝ              |                  | Ō                       | Ē                     |  |
| 6. Inventory form filed in                                                                | ndicating temp                                                                                                                                                                                  | orary closure                         |                                                                                                        |                                        |                        |                       | · . · · · ·                           | <u> </u>        | L N              |                         | <u> </u>              |  |
| 1. Product from piping of                                                                 | trained into tai                                                                                                                                                                                | nk (or other contai                   | iner)                                                                                                  |                                        |                        |                       |                                       | δείγ            | Γ <b>΄</b> Ν     | -C1                     | r"1                   |  |
| 2. Piping disconnected                                                                    | from tank and                                                                                                                                                                                   | removed                               |                                                                                                        |                                        |                        |                       |                                       | Σ.Υ<br>Σ        | ИП               | Ĩ                       | ğ                     |  |
| <ol> <li>All liquid and residue</li> <li>All pump motors and</li> </ol>                   | suction hoses                                                                                                                                                                                   | bonded to tank o                      | r otherwise                                                                                            | umps or n<br>grounded.                 | and pum                |                       | , , , , , , , , , , , , , , , , , , , | S Y             |                  |                         |                       |  |
| <ol> <li>Fill pipes, gauge pipe<br/>NOTE: DROP TUBE<br/>THE USE OF AN ED</li> </ol>       | s, vapor recov<br>SHOULD NO<br>UCTOR.                                                                                                                                                           | ery connections,<br>T BE REMOVED      | submersible                                                                                            | pumps a<br>K IS TO I                   | nd olher f<br>BE PURGI | ixtures r<br>ED THR(  | emoved.<br>OUGH                       | МY<br>У         | א                | μ.                      |                       |  |
| <ol> <li>6. Vent lines left connect</li> <li>7. Tank openings tempor</li> </ol>           | ted until tanks<br>brarily plugged                                                                                                                                                              | purged                                | rough vent                                                                                             |                                        | •••••                  |                       |                                       | Y KA<br>Rav     |                  | Ţ                       |                       |  |
| 8. Tank atmosphere red                                                                    | luced to 10%                                                                                                                                                                                    | of the lower flamm                    | nable range                                                                                            | (LEL) - <u>se</u>                      | e Section              | <u>F.</u>             |                                       | Έγ              | ПN               | Ī                       | ă                     |  |
| <ul> <li>9. Tank removed from e<br/>to prevent movement</li> </ul>                        | excavation afte                                                                                                                                                                                 | r PUNGING/INER                        | IING: place                                                                                            | a on level                             | ground a               | na block              |                                       | <b>2-</b> Y     | N                | 团                       |                       |  |
| 10. Tank cleaned before                                                                   | being remove                                                                                                                                                                                    | being removed                         | from site.                                                                                             |                                        |                        |                       | • • • • • • •                         | ΠY              | Ø N              | Ē                       | Ō                     |  |
| SHD-8951 (R. 06/94)                                                                       |                                                                                                                                                                                                 |                                       | CONTINUE                                                                                               | ON NEXT                                | PAGE -                 |                       |                                       |                 |                  |                         | 2 · · ·               |  |
|                                                                                           |                                                                                                                                                                                                 | •                                     |                                                                                                        |                                        |                        |                       |                                       |                 |                  |                         |                       |  |

|                       | I             | 09/29/1999                   | 10:40                          | 723-2153                              | CFPD                                                          |               |            | PAGE                 | <u>.</u>     |
|-----------------------|---------------|------------------------------|--------------------------------|---------------------------------------|---------------------------------------------------------------|---------------|------------|----------------------|--------------|
|                       | ,             |                              |                                |                                       | ·                                                             | Remo          | ver        | Inspector            | NA           |
| ¢. ]                  | CL            | OSURE BY F                   | REMOVAL                        | (continued)                           | but hefere being moved from site                              |               |            | Verified             |              |
| 1                     | 1.            | NOTE: COMP                   | LETE TANK                      | LABELING SHC                          | DULD INCLUDE WARNING AGAINST REUSE;                           | UCK'L         |            |                      | Ц            |
|                       |               | FORMER CON                   | TENTS: VA                      | POR STATE; VA                         | POR FREEING TREATMENT; DATE.                                  |               |            | ritadi               | <u> </u>     |
| 1                     | 2.            | Tank vent hole               | (1/8 th " in                   | uppermost part o                      | of tank) installed prior to moving the tank from site.        |               |            |                      | Ч            |
| 1:<br>1:              | 3.<br>4       | Site security is             | nea by own                     | hile the excavation                   | n is open.                                                    |               | ПN         | × ×                  | Ы            |
|                       | <u></u><br>OI | OCUDE IN D                   | ACC.                           |                                       |                                                               | ·             |            | 3.00 million (1997)  |              |
| L.                    | ŲĽ            | NOTE: CLOSI                  | URES IN PU                     | ACE ARE ONLY                          | ALLOWED WITH THE PRIOR WRITTEN APPROVAL                       |               |            |                      |              |
| <u>i</u> 1            |               | OF THE DEPA                  | RTMENT O                       | F INDUSTRY, LA                        | ABOR AND HUMAN RELATIONS OR LOCAL AGENT.                      |               |            |                      |              |
|                       | 1,            | Product from p               | iping draine                   | d into tank (or of                    | her container).                                               |               |            | <b>—</b>             | <b>77</b> 71 |
| 1 :                   | 2.<br>3       | All liquid and re            | esidue remo                    | ved from tank us                      | sing explosion proof pumps or hand pumps.                     | Hvi           | ЧN         | Н                    | H            |
| 1                     | 4.            | All pump moto                | rs and such                    | on hoses bonded                       | I to tank or otherwise grounded.                              | ΠΥΪ           | N 🗌        | ă                    | Ŭ            |
|                       | 5,            | Fill pipes, gaug             | ge pipes, va                   | por recovery con                      | nections, submersible pumps and other fixtures removed.       |               | ΠN         |                      | Ū            |
| . :                   |               | THE USE OF                   | TUBE SHO                       |                                       | DUTPUT 12 FT ABOVE GRADE.                                     |               |            |                      |              |
|                       | 6.            | Vent lines left              | connected u                    | intil tanks purged                    |                                                               |               | N          |                      | Ω            |
|                       | 7.            | Tank openings                | temporarily                    | plugged so vap                        | ors exit through vent.                                        | ΠŶ            | N          |                      | Щ            |
| • 1                   | 8.<br>Q       | Tank atmosphe                | cleaned to a                   | remove all sludge                     | and residue.                                                  | Η̈́́Υ         |            | H                    | H            |
| 1                     | 0.            | Solid inert mat              | terjal (sand,                  | cyclone boiler sla                    | ag, pea gravel recommended) introduced and tank filled.       | ШΥ            | Ν          | D                    | Щ            |
| 1                     | 1,            | Vent line disco              | nnected or                     | removed                               |                                                               | ΠY            | ПN         |                      | Ф            |
|                       | 2.            | Inventory form               | filed by ow                    | ner with Safety a                     | nd Buildings Division indicating closure in place.            | ĻΥ            | ЦИ         |                      | LU ·         |
| <b>ו</b> ן ו          | CI            | LOSURE ASS                   | SESSMENT                       | rs                                    |                                                               |               |            |                      |              |
|                       |               | NOTE: DETER                  | RMINE IF A                     | CLOSURE ASSI                          | ESSMENT IS REQUIRED BY REFERRING TO ILHR 10.                  |               |            |                      |              |
|                       | ١.            | is used as the               | basis for the                  | eir work on the si                    | te                                                            | 1 <b>29</b> Y |            |                      | П            |
|                       | 2,            | Do points of ol              | bvious conta                   | amination exist?                      |                                                               | ΠY            | X N        | <b>X</b>             | ö            |
|                       | 3.            | Are there stron              | ng odors in t                  | the soils?                            |                                                               | ΠY            | <u>区</u> N | X                    |              |
|                       | 4.<br>5       | Was a field sci              | reening inst                   | rument used to p                      | re-screen soil sample locations?                              | K Y           | N N<br>N N | 2                    | Ц            |
|                       | о.<br>6.      | Was a closure<br>Was the DNR | notified of s                  | uspected or obvi                      | ous contamination?                                            | Η̈́Υ          | Π̈́Ν       | H                    | Н            |
|                       | •••           | Agency, office               | and person                     | contacted:                            |                                                               |               |            | . —                  |              |
| فيتتهد                | 7.            | Contamination                | suspected                      | because of: 🗌 O                       | dor  Soil Staining  Free Product Sheen On Groundwa            | ater 🔲        | Field      | Instrument           | Test         |
| 1                     | M             | ETHOD OF A                   | ACHIEVIN                       | G 10% LEVEL I                         | DESCRIPTION                                                   |               |            |                      |              |
|                       |               | Educator Or D                | liffused Air I                 | Blower<br>ressed air boode            | d and drop tube left in place; vapors discharged minimum      | of 12 fo      | et ah      | houon avo            |              |
|                       |               | Diffused air t               | blower bond                    | led and drop tube                     | e removed. Air pressure not exceeding 5 psig.                 | 01 12 30      | 0. 40      | ova groana.          |              |
| -                     | C             | ]Dry Ice                     |                                | •                                     | · · · · · · · · · · · · · · · · · · ·                         |               |            |                      |              |
|                       |               | Dry ice intro                | duced at 1.5                   | pounds per 100                        | gailons of tank capacity. Dry ice crushed and distributed     | over the      | e grei     | atest possib         | le tank      |
| <i>n</i>              | R             | Inert Gas (CO)               | 20  evaporate                  | NOTE: INERT G                         | ang.<br>Asses produce an oxygen deficient atmospher           | RE. TH        | IE TA      | NK MAY N             | OT BE        |
| and the second second | LAS           | ENTERED IN                   | THIS STA                       | TE WITHOUT SP                         | PECIAL EQUIPMENT                                              |               |            |                      |              |
| Ĭ.                    |               | Gas introduc                 | ed through                     | a single opening                      | at a point near the bottom of the tank at the end of the tank | opposi        | ite the    | e vent.              |              |
| 4 :                   | N             | Gas introduc                 | or reprint Dec<br>Dere monitor | w pressure not (c<br>ed for flammable | o exceed 5 psig to reduce static electricity. Gas introducing | g device      | e gro      | unaea.               |              |
|                       | 5/20          | Calibrate cor                | mbustible g                    | as indicator. Dro                     | op tube removed prior to checking atmosphere. Tank spac       | e monit       | tored      | at bottom, r         | niddie       |
|                       |               | and upper po                 | ortion of tan                  | k. Readings of                        | 10% or less of the lower flammable range (LEL) obtained be    | efore rei     | movii      | ng tank from         | 1            |
| 4 . T                 |               | ground.                      |                                | ·                                     |                                                               |               |            |                      | ii           |
|                       | N             | OTE SPECIFIC                 | PROBLEM                        | IS OR NONCOM                          | PLIANCE ISSUES BELOW                                          |               |            |                      |              |
| 4. 7                  |               |                              |                                |                                       |                                                               |               |            |                      |              |
|                       |               |                              |                                |                                       | <i>a</i>                                                      |               |            |                      |              |
|                       | R             | EMOVER/CLEA                  | ANER INFO                      | RMATION                               | // / /                                                        |               |            |                      |              |
|                       |               | Vichard                      |                                | 1110 211                              | Mar A loca                                                    | 95            |            | 9-2 <i>2</i>         | ~99          |
| 1                     | Ŕ             | emover Name (                | (print)                        | -0-19                                 | Bemover Signature Hemover Cert                                | ilication     | īΝo.       | Date Signe           | bd           |
|                       | It            | SPECTOR I                    | NFORMAT                        | ION                                   |                                                               |               |            |                      |              |
| ••                    | 2             | · · · · ·                    |                                |                                       | RONI                                                          | 20            | 10-        | า                    |              |
|                       | ŅĽ            | ANDY SHE                     | (orint)                        |                                       | classector Standing                                           |               |            | /                    |              |
|                       | 111           | VY09                         | WILLIN                         |                                       | (7/5) $722 - 0$ (10)                                          | 1130°C        |            | orancad0111<br>1<br> | <b>NU.</b>   |
|                       | ㅋ             | DID # For Local              | tion Where                     | Inspection Perfor                     | med Inspector Telephone Number                                | Date S        | Sioner     | <u> </u>             |              |
| Å                     |               |                              |                                |                                       |                                                               |               | 3.101      |                      |              |

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SAFETY AND BUILDINGS

P. 01/02

# Wisconsin Department of Natural Resources

# Notification of Petroleum Contamination from Underground / Aboveground Storage Tank Systems

Please complete this form and FAX it to the appropriate WDNR contact person (see list on back page) immediately upon discovery of a release from (CIRCLE ONE): UST / AST system.

TO: WDNR, Attn: Janet Kazda 63-49-2341019 FAX #: 715-365-8932

#### PLEASE TYPE or PRINT LEGIBLY:

1. Name, company, mailing address and phone number of person reporting the discharge:

Mark IVERSON Cedar Corporation 604 Wilson Ave Merromonic, WI 54751

#### 2. Site Information

Name of site at which discharge occurred (local name of site/business -- not responsible party name, unless a residence): Hanson Electric

Location (actual street address, not PO box; if no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60): 6/3 Hwy 35

Municipality (city, village, township in which the site is located -<u>not mailing address</u>): Farmington township

County: Polk

Legal Description: <u>NW</u> 1/4, <u>SW</u> 1/4, Section <u>34</u>, Tn <u>33N</u>, Range <u>19</u> E/W

3. Responsible Party (RP) and/or RP Representative Information

RP / Business Name: Hanson Oectric

Contact Person (if different): Arlan Hansen

Mailing Address (with zip code): 613 Husy 35 Osceola, WI 54020

Telephone Number: 715-294-3119

4. Identity, physical state and quantity of the hazardous substance discharged (check all that apply):

| X Unleaded gasoline | Fuel oil  |  |
|---------------------|-----------|--|
| Leaded gasoline     | Waste oil |  |
| Diesel              | Other     |  |

5. Impacts to the environment (enter "K" for known/confirmed or "P" for potential for all that apply):

| Fire/explosion threat          P       Contaminated private wells (# of wells)         Contaminated public wells         P       Groundwater contamination | K_Soil contamination<br>Surface water impacts<br>Floating product<br>Other |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|

#### 6. Contamination was discovered as a result of:

X Tank closure assessment \_\_\_\_\_\_ Site assessment \_\_\_\_\_\_(other)\_\_\_\_\_\_\_

On what date: 9-22-99

#### Additional Comments:

Additional samples were collected for an expanded Site assessment. The sample collected at 6' had 424 ppm GRO and the sample collected beneath that at 7.5' had 15 ppm GRO. This sample was collected just above the bedrock.

FAX numbers to report leaking tank sites in DNR's five regions are as follows:

Northeast Region (920-492-5859)

Underground Tanks: Attention - Janis DeBrock

Aboveground Tanks: Attention • Roxanne Chronert

Brown, Calumet, Door, Fond du Lac (except City of Waupun - see South Central Region), Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Waupaca, Waushara, Winnebago Counties

Waushara, Whitebago Countes

Northern Region (715-365-8932); Attention - Janet Kazda:

Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn Counties

South Central Region (608-275-3338); Attention - Marilyn Jahnke:

Columbia, Crawford, Dane, Dodge, Fond du Lac (City of Waupun only), Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk Counties

Southeast Region (414-229-0810); Attention - Mike Farley:

Kenosha, Milwaukee, Ozaukee, Racine, Sheboygan, Walworth, Washington, Waukesha Counties West Central Region (715-839-6076); Attention • John Grump:

Adams, Buffalo, Chippewa, Clark, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood Counties

Rev. 9/97

|                                               | CEDAR CORPO<br>604 WILSON AV<br>MENOMONIE, WISCO | RATION<br>/ENUE<br>NSIN 54751      | LETTER OF TRANSMITTA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
|-----------------------------------------------|--------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 715-235-9081 800-472-7372<br>FAX 715-235-2727 |                                                  |                                    | ATTENTION<br>RE: 11 - 16-99<br>ATTENTION<br>RE: 11<br>RE: 11<br>RE |  |  |
| _w                                            | IDNE -                                           |                                    | Hanson Electric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| _107                                          | 7 Sutliff                                        |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| Kh                                            | irrelander, l                                    | NI 54501                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
|                                               | 03-49                                            | -234619                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| WE ARE SE                                     | NDING YOU 🛛 Atta                                 | ached 🛛 🗆 Under separate cover via | the following items:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
| 1                                             | Shop drawings                                    | Prints     Plans                   | s 🗆 Samples 🗆 Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| 1                                             | □ Copy of letter                                 | □ Change order □                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
| COPIES                                        | DATE NO.                                         |                                    | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |
| 1                                             |                                                  | Tank Closure Repor                 | -+                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
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|                                               |                                                  |                                    | E B B B V B AL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |
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|                                               |                                                  |                                    | NOV 1 7 1999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
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|                                               |                                                  |                                    | WIS. DEPT. OF NATURAL RESOURCES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
|                                               | TRANSMITTED as chec                              | ked below:                         | Witte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |
|                                               | □ For approval                                   | □ Approved as submitt              | ed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
|                                               | □ For your use                                   | □ Approved as noted                | □ Submit copies for distribution                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
|                                               | □ As requested                                   | □ Returned for correct             | ions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
|                                               | □ For review and com                             | ment 🗆                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
|                                               | □ FOR BIDS DUE                                   |                                    | PRINTS RETURNED AFTER LOAN TO US                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| REMARKS                                       |                                                  |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |
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Tank Closure And Environmental Site Assessment Report For Arlan Hanson 613 Hwy. 35 Osceola, WI 54020

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Site:

Hanson Electric 613 Hwy. 35 Osceola, WI 54020

November 1999

V Mark Iverson

CSA #46672

Cedar Corporation Project #1964-0014-303-01

Cedar Corporation 604 Wilson Avenue Menomonie, WI 54751

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- II. Background Information
- III. Tank Closure
- IV. Cleaning Wastes
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- Appendix B Field Procedures
- Appendix C Analytical Results
- Appendix D Tank Inventory Form (SBD-7437)

# OWNERSHIP AND PERSONNEL INVOLVED

In September 1999, Cedar Corporation provided environmental site assessment consulting services during the closure of one underground storage tank located at Hanson Electric. The site is located on Hwy. 35 South south of Osceola, WI (Figure 1).

| Tank Location:                                      | Hanson Electric<br>613 Hwy. 35<br>Osceola, WI 54020                                                           |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|                                                     | NW 1/4 of SW 1/4, Sec. 34, Township 33 N, Range 19 W                                                          |
| Tank Owner:                                         | Arlan Hanson<br>613 Hwy. 35<br>Osceola, WI 54020<br>Phone: 715-294-3119                                       |
| Engineering/Tank<br>Cleaning Services:              | River Oil Company<br>448 Hwy. 35, P.O. Box 216<br>Somerset, WI 54025<br>Phone: 715-247-3383                   |
| Certified Tank Removal<br>and Cleaning Technicians: | Richard Leverty<br>Certification No.: 656295                                                                  |
| Tank Inspector or<br>Third Party:                   | Randy Shervey<br>13143 County Hwy. OO<br>Chippewa Falls, WI 54729-7377<br>Phone: 715-723-0607<br>LPO #: 00010 |
| Site Assessment Services:                           | Cedar Corporation<br>604 Wilson Avenue<br>Menomonie, WI 54751                                                 |
| Certified Site Assessor:                            | Mark Iverson<br>Certification #: 46672<br>Copy of Certification as Appendix A                                 |

I.


## II. BACKGROUND INFORMATION

Property Use:

The property is the current location of the Hanson Electric shop and office.

Tanks:

| Tank ID # | Size | Contents | Capacity | Status               |
|-----------|------|----------|----------|----------------------|
| 324965    | 1000 | Unleaded | 1000     | Abandoned<br>Removed |

Previous Geotechnical Investigations:

No known geotechnical investigations have been completed on the property.

## III. TANK CLOSURE INFORMATION

Observations:

| Free Product  | N | Excavation Depth    | 7.5 ft. |
|---------------|---|---------------------|---------|
| Soil Staining | Ν | Free Standing Water | Ν       |
| Soil Odors    | Y | _                   |         |

Tank and Piping Conditions:

| Pitted | Ν | Holed          | Ν  |
|--------|---|----------------|----|
| Rusted | Y | Coating Intact | NA |

Other Observations: The tank appeared to be in good condition. There were no visible pitts or holes.

## IV. <u>CLEANING WASTES</u>

Cleaning and disposal of the tank and piping was completed by Riverview Oil. The cleaning wastes were also collected and transported by Riverview Oil.

## V. ENVIRONMENTAL ASSESSMENT

Two soil samples were collected beneath the tank at six feet below ground surface (bgs). An addition sample was collected at 7.5 feet bgs. Samples could not be collected beyond this due to the extremely hard nature of the limestone. Obvious contamination did not limit sample collection.

Sample Method Field: Lab: PID GRO and PVOC

Laboratory:

Test America 602 Commerce Drive Watertown, WI 53094 Phone: 920-261-1660 WI DNR Certification No. 128053530

| SAMPLE ID | DEPTH FT. | PID I.U. | GRO PPM | MOISTURE % |
|-----------|-----------|----------|---------|------------|
| 1         | 6         | 0        | <6.1    | 18.6       |
| 2         | 6         | 2120     | 424     | 17.4       |
| 3         | 7         | 172      | -       | -          |
| 4         | 7.5       | 146      | 15      | 14.3       |

#### **TABLE OF RESULTS**

Results of Assessment:

Analytic results indicate that a release has occurred from the petroleum system at Hanson Electric. The DNR has been notified of the release.

## VI. STANDARD OF CARE

Cedar Corporation has completed the work described within this report and warrants its contents to be factual. The analytical results are reported within the limits of the methods employed to provide analyses for the various compounds tested. No guarantee or warranty is expressed or implied of the conclusions forwarded in this report.



## APPENDIX A

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## SITE ASSESSOR CERTIFICATION



Wisconsin Department of Commerce

# APPENDIX B

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## FIELD PROCEDURES

#### SAMPLE COLLECTION AND HANDLING PROCEDURES

#### SOIL SAMPLING TECHNIQUES

#### Hand Auger Soil Borings

Soil samples were recovered from soil borings completed with a stainless steel auger. The auger consists of a 12 inch long,  $3\frac{1}{2}$  inch diameter enclosed sampling device. It is connected to  $4\frac{1}{2}$  foot long rods equipped with screw threads such that additional sections can be added to increase the depth of sampling. The auger sections are marked to identify the depth of the sample. The auger is decontaminated prior to each sampling event.

#### Hollow Stem Auger Soil Borings

Soil borings at this site were completed using 4 1/4 inch HSA (hollow stem augers) at locations as determined by the existing conditions and at the direction of the field supervisor. Soil samples were recovered using standard split spoon sampling methods. In this method, a 2 inch diameter, 24 inch sample spoon is attached to an AW rod. When the auger has reached the desired depth, the spoon is lowered into the auger until it reaches the top of the sampling interval. Using a 140 pound hammer dropped 30 inches, the spoon is driven into the formation. A sample catcher in the tip holds the sample in the spoon. During the driving of the spoon, the number of hammer blows is noted for each six inches of advancement. These values are recorded on the driller's logs.

The sample spoon is retrieved from the boring and opened. A field geological log is completed and the soils are sampled for field screening, laboratory analysis, and/or sieve analysis. Prior to reuse, the sampling equipment is decontaminated.

#### Hydraulically Advanced Sampling Techniques

Hydraulically advanced sampling techniques, such as Geoprobe<sup>R</sup>, typically use a one inch outer diameter steel probe with a large bore soil core sampler. The probe rods and the sampling unit are driven to the desired sampling depth by a carrier vehicle mounted sampling unit. The probe rods and sampler are hydraulically advanced using the static weight of the carrier vehicle to assist in penetrating the formation or a combination of vehicle weight and hydraulic hammer percussion. Typical sample lengths are 24 inches.

While driving the soil core sampler to the desired depth, a pin stops the end point and piston from sliding into the collection tube. At the desired sampling depth, the pin is removed and the probe rods advanced some 24 inches. The piston and end point are forced into the collection chamber by the sample being collected. Sample collection chambers are typically lined with removable acetate sleeves. The sampling device is brought to the surface and the sample, contained in the acetate sleeve, retrieved from the carrier assembly.

Upon retrieval the sample is immediately opened, logged, sampled for laboratory analysis (if required) and placed in a clean jar for Headspace Analysis. After each sampling event the probe rods and soil core sampling equipment are decontaminated. A new acetate liner is placed in the sampling chamber for the next sampling event.

#### Soil Sample Collection

Soil samples are recovered at various depths and locations as directed by the on site environmental specialist/geologist. Samples are recovered using clean stainless steel sampling devices which are cleaned between each sampling event by personnel trained in sampling procedures. At the desired sample location, a soil sample is immediately collected from the sampling unit with a clean spatula and placed in a one quart glass jar for field screening. If desired, a split sample is collected and placed in a laboratory specimen jar with a Teflon lined septum for laboratory analysis. Personal protective equipment including latex disposable gloves, safety glasses, boots, hard hats, and organic vapor masks are used as necessary as protection from potential contaminants.

#### Field Screening

Soil samples recovered at various depths and locations during the investigation are logged and field screened using a Photovac Microtip MP-1 PID (photo ionization detector) with a 10.6eV lamp or a Flame Ionization Detector (FID). Field screening is completed using the "Headspace Method" wherein sufficient sample is placed in a one quart glass jar. The jar is tightly sealed with aluminum foil, agitated to break up the soil, and slightly warmed to encourage the release of any volatile organic compounds in the sample. After a suitable waiting period as defined in Wisconsin Administrative Code ILHR 10, the foil is pierced and the sampling probe of the instrument is introduced into the "headspace" and an analysis of the vapor in the jar is completed.

#### TOOL CLEANING METHODS

Any tools used in a sampling event (soil or groundwater) are thoroughly cleaned between each sampling event to eliminate potential cross-contamination of samples. An Alconox and water solution and a scrub brush are used to remove residual contaminants that may be present on the device. After all potential contaminants are believed to have been removed, the tools are triple rinsed including a rinse in deionized water to remove the detergent solution. The tools are then placed on a clean surface to air dry.

#### ANALYTICAL LABORATORY SAMPLE PREPARATION

#### <u>Soils</u>

When a soil sample is to be laboratory analyzed, a sample is taken and sealed in a laboratory provided glass jar having a Teflon lined septum. WDNR Analytical and Quality Assurance Guidance, July, 1993, PUBL-SW-130-93 is used for sampling and analytical guidance. For modified GRO, VOC, and PVOC analyses, a minimum of 25 grams and up to a maximum of 70 grams of sample are preserved in methanol in a 120 ml capacity sample containers. For DRO analysis, a minimum of 25 grams and up to a maximum of 70 grams of sample are collected in 120 ml capacity sample containers. Additional samples are collected to determine dry weight for all four analyses. The samples are transferred to a cooler to maintain a sample temperature of 4°C.

#### **Groundwater**

Monitoring wells being sampled after development must be purged. According to the Wisconsin Department of Natural **Resources Groundwater Sampling Procedures Field Manual** (PUBL-WR-168-87), the monitoring well to be sampled must have four well volumes purged by use of a pump or bailer and transferred to a laboratory acquired bottle by a bottom emptying device. Latex disposable gloves are worn throughout the purging and collection procession. Sampling is completed following the WDNR Analytical and Quality Assurance Guidance, July, 1993. GRO samples are collected in 40 ml glass vials, DRO samples in one liter amber glass containers, and VOC and PVOC samples in three 40 ml glass vials. All vials and containers have Teflon lined septums. All samples are preserved with HCl as the method requires. The samples are preserved on ice at or below a temperature of 4 degrees Celsius throughout handling and shipment to the laboratory.

#### Air Sample Collection

Air samples are collected by drawing 200 cubic centimeters per minute through a carbon adsorption tube for 15 minutes. This produces a sample of 3 liters volume as required by the analytical method. The samples are preserved on ice and shipped to a laboratory. Analyses for benzene and total hydrocarbons are completed following the NIOSH Methods 1501 and 1550, respectively.

#### Sample Preservation During Shipping

Samples to be laboratory analyzed are placed in a cooler with ice to preserve the sample temperature at or just below 4° Celsius. Samples are shipped in an insulated sealed cooler with ice and cushioned / insulated in bubble wrap to maintain the 4° C temperature. When opened in the laboratory, the sample custodian notes sample conditions and temperature or notes "on ice" on the chain of custody record to verify sample preservation. In the laboratory, samples are stored in a refrigerated location.

#### Laboratory Procedures

For this project the samples were sent to a Wisconsin Department of Natural Resources certified laboratory as noted in the main body of the report. Samples collected during this project were analyzed following those analytical procedures documented in the LUST Analytical Guidance PUBL-SW-130-93, July 1993. Analytical procedures referenced in this report are defined in the LUST Analytical Guidance and/or the EPA Methods Manual (EPA SW-846) which fully describes the procedures for each method. These procedures include specific quality control criteria as associated with the particular method. The requirements include instrument calibration and quality control samples and require daily laboratory performance tests as well as demonstrations of instrument precision and accuracy.

#### CHAIN-OF-CUSTODY DOCUMENTATION

This section describes procedures to identify samples and document handling of the sample. The purpose of these procedures is to ensure that the integrity of the samples is maintained during collection, transportation, storage and analysis.

#### Sample Identification

Sample identification documents are carefully prepared so that sample identification and chain-of-custody is maintained and sample disposition controlled.

Sample identification documents include:

- \* field notebooks
- \* sample labels
- \* chain-of-custody (DNR Form 4400-151)

Each sample is labeled, physically preserved, and sealed immediately after collection. To minimize handling of sample containers, labels are completed immediately prior to sample collection. The sample label is completed using waterproof ink and is firmly affixed to the sample containers. The sample label provides the following information:

- \* location
- \* sample number
- \* date and time of collection
- \* analysis required
- \* name of sampler

A chain-of-custody record (DNR Form 4400-151 or similar) is fully completed in duplicate by the sampler immediately following sample collection.

#### Shipping Transfer of Custody

The coolers in which the samples are packed are accompanied by the chain-of-custody record. When transferring samples, the individuals relinquishing and receiving them sign, date, and note the time of transfer on the chain-of-custody record.

#### Laboratory Custody Procedures

A designated sample custodian accepts custody of the shipped samples and verifies that the sample identification number matches that on the chain-of-custody record. This individual also records the temperature of the received samples on the chain of custody records. Any discrepancies are immediately noted to the sampler. A copy of the completed chain-of-custody record is retained by the laboratory until analyses are completed. The record is returned to the project file with the analytical results.

# APPENDIX C

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# ANALYTICAL RESULTS

## ANALYTICAL AND QUALITY CONTROL REPORT

Test/America

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751 10/04/1999 Job No: 99.08492 Page 1 of 4

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

| Sample<br>Number | Sa | mple Description            | Date<br>Taken | Date<br>Received |
|------------------|----|-----------------------------|---------------|------------------|
| 366739           | #1 | #1964-0014-303-01 Riverview | 09/22/1999    | 09/24/1999       |
| 366740           | #2 | #1964-0014-303-01 Riverview | 09/22/1999    | 09/24/1999       |
| 366741           | #4 | #1964-0014-303-01 Riverview | 09/22/1999    | 09/24/1999       |

Soil results are reported on a dry weight basis. The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

- A = Analyzed/extracted past hold time
- C = Standard outside of control limits
- F = Sample filtered in lab
- H = Late eluting hydrocarbons present
- J = Estimated concentration
- M = Matrix interference
- Q = Result confirmed via re-analysis
- T = Does not match typical pattern
- X = Unidentified compound(s) present

- B = Blank is contaminated
- D = Diluted for analysis
- G = Received past hold time
- I = Improperly handled sample
- L = Common lab solvent and contaminant
- P = Improperly preserved sample
- S = Sediment present
- W = BOD re-set due to missed dilution
- Z = Internal standard outside limits

Brian DeJong Organic Operations Manager

602 COMMERCE DRIVE / WATERTOWN, WI 53094 / 920-261-1660 / FAX: 920-261-8120 WDNR No. 128053530

# ANALYTICAL REPORT

**Test**America

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751 10/04/1999 Job No: 99.08492 Sample No: 366739 Account No: 13800 Page 2 of 4

JOB DESCRIPTION: #1964-0014-303-01 Riverview Oil PROJECT DESCRIPTION: Soil Analysis #1 #1964-0014-303-01 Riverview SAMPLE DESCRIPTION: Rec'd on ice

Date/Time Taken: 09/22/1999 08:40 Date Received: 09/24/1999

|                          |         |       | Reporting |         | Date       | Prep/Ru. |
|--------------------------|---------|-------|-----------|---------|------------|----------|
| Parameter                | Results | Units | Limit     | Method  | Analyzed   | Batch    |
| Solids, Total            | 81.4    | ş     | n/a       | SW 5030 | 09/30/1999 | 29 j     |
| PVOC - NONAQUEOUS        |         |       |           |         |            |          |
| Benzene                  | <31     | ug/kg | 25        | SW 8020 | 10/01/1999 | 2454     |
| Ethylbenzene             | <31     | ug/kg | 25        | SW 8020 | 10/01/1999 | 24 1     |
| Methyl-t-butyl ether     | <31     | ug/kg | 25        | SW 8020 | 10/01/1999 | 24 1     |
| Toluene                  | <31     | ug/kg | 25        | SW 8020 | 10/01/1999 | 2454     |
| 1,2,4-Trimethylbenzene   | <31     | ug/kg | 25        | SW 8020 | 10/01/1999 | 2454     |
| 1,3,5-Trimethylbenzene   | <31     | ug/kg | 25        | SW 8020 | 10/01/1999 | 24 (     |
| Xylenes, Total           | <92     | ug/kg | 75        | SW 8020 | 10/01/1999 | 24.1     |
| GRO                      | <6.1    | mg/kg | 5.0       | WDNR    | 10/01/1999 | 2454     |
| Surr: Bromofluorobenzene | 99.0    | 8     | n/a       | SW 8020 | 10/01/1999 | 24-1     |

# Test/America

## ANALYTICAL REPORT

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751 10/04/1999 Job No: 99.08492 Sample No: 366740 Account No: 13800 Page 3 of 4

JOB DESCRIPTION: #1964-0014-303-01 Riverview Oil PROJECT DESCRIPTION: Soil Analysis SAMPLE DESCRIPTION: #2 #1964-0014-303-01 Riverview Rec'd on ice

Date/Time Taken: 09/22/1999 08:45

Date Received: 09/24/1999

|                          |   |        |         | Reporting | 9       | Date       | Prep/Run |
|--------------------------|---|--------|---------|-----------|---------|------------|----------|
| Parameter                |   | Result | s Units | Limit     | Method  | Analyzed   | Batch    |
| Solids, Total            |   | 82.6   | 90      | n/a       | SW 5030 | 09/30/1999 | 2956     |
| PVOC - NONAQUEOUS        |   |        |         |           |         |            |          |
| Benzene                  |   | 1,210  | ug/kg   | 25        | SW 8020 | 10/01/1999 | 2454     |
| Ethylbenzene             |   | 2,420  | ug/kg . | 25        | SW 8020 | 10/01/1999 | 2454     |
| Methyl-t-butyl ether     |   | <600   | ug/kg   | 25        | SW 8020 | 10/01/1999 | 2454     |
| Toluene                  |   | 8,350  | ug/kg   | 25        | SW 8020 | 10/01/1999 | 2454     |
| 1,2,4-Trimethylbenzene   |   | 23,000 | ug/kg   | 25        | SW 8020 | 10/01/1999 | 2454     |
| 1,3,5-Trimethylbenzene   |   | 10,000 | ug/kg   | 25        | SW 8020 | 10/01/1999 | 2454     |
| Xylenes, Total           |   | 36,300 | uq/kq   | 75        | SW 8020 | 10/01/1999 | 2454     |
| GRO                      | н | 424    | mg/kg   | 5.0       | WDNR    | 10/01/1999 | 2454     |
| Surr: Bromofluorobenzene | · | 86.5   | 8       | n/a       | SW 8020 | 10/01/1999 | 2454     |

## ANALYTICAL REPORT

Test/America

Mr. Mark Iverson CEDAR CORPORATION 604 Wilson Avenue Menomonie, WI 54751

10/04/1999 Job No: 99.08492 Sample No: 366741 Account No: 13800 Page 4 of 4

#1964-0014-303-01 Riverview Oil JOB DESCRIPTION: Soil Analysis PROJECT DESCRIPTION: #4 #1964-0014-303-01 Riverview SAMPLE DESCRIPTION: Rec'd on ice

Date/Time Taken: 09/22/1999 08:50 Date Received: 09/24/1999

|                          |       |          | Reporting | a       | Date       | Prep/Ru. |
|--------------------------|-------|----------|-----------|---------|------------|----------|
| Parameter                | Resul | ts Units | Limit     | Method  | Analyzed   | Batch    |
| Solids, Total            | 85.7  | 8        | n/a       | SW 5030 | 09/30/1999 | 29;      |
| PVOC - NONAQUEOUS        |       |          |           |         |            |          |
| Benzene                  | <29   | ug/kg    | 25        | SW 8020 | 10/01/1999 | 2454     |
| Ethylbenzene             | 50    | ug/kg    | 25        | SW 8020 | 10/01/1999 | 24 1     |
| Methyl-t-butyl ether     | <29   | ug/kg    | 25        | SW 8020 | 10/01/1999 | 24 1     |
| Toluene                  | 100   | ug/kg    | 25        | SW 8020 | 10/01/1999 | 2454     |
| 1,2,4-Trimethylbenzene   | 1,030 | ug/kg    | 25        | SW 8020 | 10/01/1999 | 2454     |
| 1,3,5-Trimethylbenzene   | 502   | ug/kg    | 25        | SW 8020 | 10/01/1999 | 24 1     |
| Xylenes, Total           | 957   | ug/kg    | 75        | SW 8020 | 10/01/1999 | 24 1     |
| GRO H                    | 15    | mg/kg    | 5.0       | WDNR    | 10/01/1999 | 2454     |
| Surr: Bromofluorobenzene | 97.0  | 8        | n/a       | SW 8020 | 10/01/1999 | 2454     |

| Test<br>Incomposition<br>SAMPLED BY                                                                                  | COMPANY <u>CEDAR</u> <u>CARPORAT</u><br>ADDRESS <u>604</u> <u>WILSON</u><br>PHONE <u>715-835-9081</u><br>PROJECT NAME/LOCATION <u>RUL</u><br>PROJECT NUMBER <u>1964-0</u><br>PROJECT MANAGER <u>Mark</u> <u>7</u> | RECORD<br>NON<br>NON<br>FAX 235-2727<br>Jiew Dil- Osceola<br>DIA-303-01<br>JERSON<br>ANALYSES | 99.0.8492         REPORT TO: CEDDE CORRECTION         INVOICE TO: Cedor         P.O. NO.         QUOTE NO.         To assist us in selecting the proper method |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (PRINT NAME)                                                                                                         | GNATURE X                                                                                                                                                                                                         | bra                                                                                           | Is this work being conducted for regulatory<br>compliance monitoring? Yes No                                                                                   |
| (PRINT NAME) SI                                                                                                      | GNATURE # and Type of<br>Containers                                                                                                                                                                               |                                                                                               | Is this work being conducted for regulatory<br>enforcement action? Yes No                                                                                      |
| DATE TIME SAMPLE ID/DESCRIPTION                                                                                      | MATRIX<br>MATRIX<br>GRAB<br>COMP<br>HCI<br>HCI<br>HCI<br>HUO <sub>3</sub><br>M2SO <sub>4</sub><br>OTHER                                                                                                           | 21-C1                                                                                         | Which regulations apply: RCRA NPDES Wastewater<br>UST Drinking Water<br>Other None                                                                             |
| 22-99 010 17 1                                                                                                       |                                                                                                                                                                                                                   | X V                                                                                           | Reserved with 25 mbs MeOH                                                                                                                                      |
|                                                                                                                      | 5 × 27                                                                                                                                                                                                            | X                                                                                             |                                                                                                                                                                |
| V 850 #4                                                                                                             | 5 X 3                                                                                                                                                                                                             | X                                                                                             | V Potto Gays # 3                                                                                                                                               |
|                                                                                                                      |                                                                                                                                                                                                                   |                                                                                               | bottles Say Hanson Elect.                                                                                                                                      |
|                                                                                                                      |                                                                                                                                                                                                                   |                                                                                               |                                                                                                                                                                |
|                                                                                                                      |                                                                                                                                                                                                                   |                                                                                               |                                                                                                                                                                |
|                                                                                                                      |                                                                                                                                                                                                                   |                                                                                               |                                                                                                                                                                |
|                                                                                                                      |                                                                                                                                                                                                                   |                                                                                               |                                                                                                                                                                |
| CONDITION OF SAMPLE: BOTTLES INTACT? Y<br>FIELD FILTERED? YE<br>SAMPLE REMAINDER DISPOSAL: RETURN SAM<br>I REQUEST L | ES / NO COC SEALS PRES<br>S / NO VOLATILES FREE<br>MPLE REMAINDER TO CLIENT VIA<br>AB TO DISPOSE OF ALL SAMPLE REMAINDER                                                                                          | ENT AND INTACT? YES / NO<br>OF HEADSPACE? YES / NO<br>RS                                      | DATE                                                                                                                                                           |
| RELINQUISHED BY: DATE TIME<br>The 1/23/99 1400                                                                       | RECEIVED BY:                                                                                                                                                                                                      | RELINQUISHED BY:                                                                              | DATE TIME RECEIVED FOR LAB BY:<br>9124,59 14:58 SN2U2,000                                                                                                      |
| METHOD OF SHIPMENT                                                                                                   | REMARKS:                                                                                                                                                                                                          |                                                                                               | " D9/21/99                                                                                                                                                     |

## APPENDIX D

# TANK INVENTORY FORM (SBD-7437)

E

| 09/29/1999 10:40 723-2153                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                  | CFPD                                                                                              |                                                                       | PAGE 02                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Reg Obj #: 324965 FLA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Send Completed Form To:<br>Department of Commerce<br>Bureau of Storage Tank Regulation<br>P.O. Box 7837<br>Modison W/ 63202 7832 |                                                                                                   |                                                                       |                                                                                                                 |
| Underground tanks in Wisconsin that have stored o<br>form is needed for each tank. Send each complete<br>in gistered this tank by submitting a form? [] Yes<br>Personal information you provide may be used for second                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | of currently store p<br>d form to the age<br>[X] No If yes, a<br>ary purposes. (Priva                                            | section for regulate<br>ncy designated in the<br>re you correcting/upd<br>acy Law, s. 15.04 (1)(m | Stats.<br>d substances m<br>top right corne<br>lating informatio<br>] | natisti, Wission A separate<br>Nush he registered A separate<br>n. Have you previously<br>n. only? [] Yes [] No |
| In Use     In Use     Abandoned with Product     Abandoned without Brighter (group)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Tank Removed     Filled with Inert M rary Out of Service                                                                         | Ownership<br>atenals new owner<br>Provkle Date:                                                   | Change (Indicate<br>name in block 2)                                  | Fire Department providing hire<br>coverage where tank is located<br>City Village                                |
| A. (DENTIFICATION (Please Print)<br>1. Tank Site Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Site Address                                                                                                                     |                                                                                                   | <b></b>                                                               | Site Telephone Number                                                                                           |
| City Village X Town of:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                  | Hur SD<br>Zip Code                                                                                |                                                                       | ()15)294-5119<br>County                                                                                         |
| 2. Tank Owney Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Mailing Address                                                                                                                  | 3702                                                                                              | ×Q                                                                    | Telephone Number<br>(715) 204-3/12                                                                              |
| City Village Town of:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | State                                                                                                                            | Zıp Code                                                                                          |                                                                       | County<br>DO//C                                                                                                 |
| 3. Previous Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Previous site ad                                                                                                                 | dress (f different than #1                                                                        |                                                                       |                                                                                                                 |
| B. Site ID #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Facility ID #:                                                                                                                   |                                                                                                   | Ċu                                                                    | stomer ID #:                                                                                                    |
| C. 4. Tank Age (age or date installed); /9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u></u>                                                                                                                          | 5. T                                                                                              | ank Capacity (gai                                                     | lions): 100 ()                                                                                                  |
| D. LAND OWNER TYPE (check one) County Federal Lessed X Private C OCCUPANCY TYPE (check one)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Federal Own                                                                                                                      | ed 🗌 Muni                                                                                         | cipel 🚺                                                               | Other Government                                                                                                |
| Gas/Retail Sales     Buik Storage     Gas/Retail Sales     Backup or Emergency Gene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | lity 🛛 🕅 Me<br>rator 🔤 Oth                                                                                                       | rcantile/Commercial<br>ler (Specify:)                                                             | 🗋 Industriat                                                          | 🗋 School 🔲 Residential                                                                                          |
| F. Tank Construction:<br>X Bare Steel Coaled Steel [<br>Fiberglass Steel Fiberglass Reinford Steel Fiberglass Fiberglass Reinford Steel Fiberglass Reinf | ] Unknown<br>orced Plastic Comp                                                                                                  | Cathodic Prote                                                                                    | ction Overfill<br>odes Spill Co<br>furrent Tank E                     | I Protection? Yes No<br>ontainment? Yes No<br>houble Walled? Yes No                                             |
| G. Primary Tank loak detection method:<br>Inventory control and tightness testing<br>Manual lank navoing (only for tanks of 1 000 gallons)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                  | La NA<br>utomatic tank gauging<br>terstitial monitoring<br>ratistical inventory Reco              | acillation (SIB)                                                      | Groundwater monitoring                                                                                          |
| H. Piping Construction:<br>Bare Steel Coated Steel<br>Fiberglass Fiexible<br>Other (specify)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                  | Cathodic Protec<br>Secrificial And<br>Impressed Cu<br>X.N/A                                       | tion<br>des<br>ment                                                   | e Double Walled? Yes & No                                                                                       |
| I. Primary Piping System Type: Pressurized pip<br>Suction piping with check valve at tank Su<br>J. Piping Leak Detection Method: (used if pressurized<br>Groundwater monitoring Vapor monitoring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ing with — A.<br>ction piping with ch<br>or check valve at to<br>interstitual m                                                  | auto shutoff; B. 🗋 alan<br>eck valve at pump and<br>ank); 📋 SIR 🛄<br>onitoring 🛛 🛃                | n or C. ] flow re<br>inspectable<br>Tightness testing<br>Not required | strictor Unknown<br>Not needed if waste oil<br>Electronic line leak monitor<br>Unknown                          |
| K, Vapor Recovery/Stage II CARB #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ] Flexible                                                                                                                       | Operational • P                                                                                   | rovide Date (mo/d                                                     | ay/yr)·                                                                                                         |
| L. TANK CONTENTS (Current, or previous product     Diesel     Other (Specify); Empty     Waste/Used Motor Oil     Urdicate che                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | if tank now empty]<br>al                                                                                                         | Unleadad                                                                                          | /Slurry* 🗍 Fue<br>/Slurry* 🗍 Uni<br>🗍 Avi                             | ation Hazardous Waste*                                                                                          |
| If chosen, this tank is NOT PECFA eligible.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                  | Geo Latitude:                                                                                     |                                                                       | Geo Longitude:                                                                                                  |
| M. If Tank Closed, Abandoned or Out of Service, give<br>(mo/day/yr): 9-22-99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | a date                                                                                                                           | Has a sile assossme                                                                               | nt been complet                                                       | ed (see reverse side for details)                                                                               |
| Owner or Operator Name (please print):                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | ·····                                                                                                                            |                                                                                                   | Indicate whe                                                          | ther:                                                                                                           |
| Dord Junit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                  | ······                                                                                            | Data Stand                                                            | C-Operator                                                                                                      |
| LOB QUIST                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                  |                                                                                                   | 9-22-                                                                 | 85                                                                                                              |
| Note: Bafer to commente en teverse nide - 5 (                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                  |                                                                                                   |                                                                       |                                                                                                                 |

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Note: Refer to comments on reverse side of form. ERS-7437 (R. 04/98)

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CFPD

| Wisconsin Department o<br>Labor and Human Relati                                                                                                                                                                   | of Industry,<br>ons               | CHECKLIST FOR UNDERGROUND              |                                            |                                         |                         | JRN COMPLETED CHECKLIST T(<br>ty & Buildings Division<br>Prevention & Underground |                |                   |                  |                        |                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|--------------------------------------------|-----------------------------------------|-------------------------|-----------------------------------------------------------------------------------|----------------|-------------------|------------------|------------------------|---------------------------------|
| Complete one form for each site closure.       The information you provide may be used by other government agency programs (Privacy Law, s. 15.04 (1) (m)).       Storage Tank Section P. O. Box 7969, Madison, V. |                                   |                                        |                                            |                                         |                         | idergroui<br>1<br>son, WI 1                                                       | 53707          |                   |                  |                        |                                 |
| A. IDENTIFICATION: (Please Print) Indicate whether closure is for: Tank System Ta<br>1. Sine Name<br>Hanson Electric                                                                                               |                                   |                                        |                                            |                                         |                         |                                                                                   | <b>П</b> Та.   | nk Only           | y Ľ              | ] Piping               | Only                            |
| Sile Street Address (not P.O. E                                                                                                                                                                                    | 30x)                              |                                        |                                            | Owner Street                            | l Address               |                                                                                   |                |                   | ******           |                        |                                 |
| City Vil                                                                                                                                                                                                           | lage                              | Town of:                               |                                            |                                         |                         | Town                                                                              | n of:          | State             | : 7              | Zip Code               | 5                               |
| Siale Z                                                                                                                                                                                                            | Code                              | County<br>DB/H                         | -                                          | County Dolle                            | -                       | Teleph                                                                            | ione No. (     | include a         | rea cod          | 12                     |                                 |
| 3. Closure Company Name (                                                                                                                                                                                          | Print)                            | 10                                     |                                            | pany Street A                           | ddress,                 | _                                                                                 | <u>P</u> C     | 1,30              |                  | 2/6                    |                                 |
| Closure Company Telephone N                                                                                                                                                                                        | No. (Include area                 | code)                                  | Closure Com                                | pany City, Bla                          | ile, Zin Cod            | ریسے<br>الب سے                                                                    | 120            |                   |                  |                        |                                 |
| 4. Name of Company Perform                                                                                                                                                                                         | ing Clopure Asso                  | assment                                | Assessment                                 | Company Stre                            | et Address,             | City, Sta                                                                         | ite, Zip Ci    | ode               |                  |                        |                                 |
| Mark TVERSC                                                                                                                                                                                                        | 2N/ledar                          | CORPORATIZ                             | $\sim co$                                  | 4 Wils                                  | Con A                   | Venya                                                                             | <u>2 M</u>     | erron             | Assesso          | i に んづ<br>Certificati  | $\frac{54^{n}5}{00 \text{ No}}$ |
| (715) 235-908                                                                                                                                                                                                      | ) Mor                             | 211 IVERS                              | $\frac{1}{2}$                              | 177                                     | b.l.                    | lon                                                                               |                |                   | 4(               | 673                    |                                 |
| Tank ID #                                                                                                                                                                                                          | Closure                           | Temp, Closur                           | e Closu                                    | re In Place                             | Tank Ca                 | apacity                                                                           | Conte          | ents *            | Ćlosi            | ure Asses              | smenl                           |
| 1.324165                                                                                                                                                                                                           | <u>x</u>                          |                                        |                                            | <u> </u>                                | 1800                    |                                                                                   | .0             | 3                 |                  |                        | N                               |
| 2.                                                                                                                                                                                                                 |                                   | <b></b>                                | <u></u>                                    |                                         |                         |                                                                                   |                |                   | ļ                |                        | N                               |
| 3.                                                                                                                                                                                                                 | <u> </u>                          |                                        |                                            |                                         |                         |                                                                                   |                |                   |                  |                        | <u>N</u>                        |
| 4.                                                                                                                                                                                                                 |                                   |                                        |                                            |                                         |                         | ····                                                                              |                |                   |                  |                        | N.                              |
| <u>5.</u><br>6                                                                                                                                                                                                     |                                   |                                        |                                            |                                         |                         | · · · · · · · ·                                                                   |                |                   |                  |                        | N                               |
| * Indicate which product by<br>11-Waste oil; 13-Chemica                                                                                                                                                            | numeric code<br>al (indicate the  | : 01-Diesel; 02-l<br>chemical name     | Leaded; 03-<br>(s) or numb                 | Unleaded; 0<br>ers(s)                   | 4-Fuel Ol               | l; 05-Gas                                                                         | sohol; 06      | )-Other;<br>; 14  | 09-Unl<br>-Keros | known; 10<br>ene; 15-A | -Premix;<br>viation.            |
| Written notification was prov                                                                                                                                                                                      | vided to the loc                  | al agent 15 days                       | s in advance                               | e of closure                            | date. , .               |                                                                                   |                |                   | <b>Σ</b> 4-γ     |                        |                                 |
| All local permits were obtain                                                                                                                                                                                      | ned belore beg                    | inning closure.                        |                                            |                                         |                         |                                                                                   |                | • • • •           | <b>Ø</b> Y       | П N                    |                                 |
| Check applicable box a<br>B. TEMPORARILY OUT                                                                                                                                                                       | t right in res<br>F OF SERVIC     | ponse to all s<br>E                    | tatements                                  | in Section                              | ns B - E.               |                                                                                   |                | <u>Ren</u><br>Ver | <u>ified</u>     | Inspecto<br>Verifier   | or <u>NA</u><br>d               |
| Written inspector appro                                                                                                                                                                                            | val of tempora                    | ry closure obtair                      | ied, which                                 |                                         |                         |                                                                                   |                |                   |                  | ( <b></b> 1            | -                               |
| 1. Product Removed                                                                                                                                                                                                 |                                   | ······································ |                                            |                                         |                         |                                                                                   |                |                   |                  |                        | 1                               |
| <ul> <li>a. Product lines drai</li> <li>b. All product remov</li> </ul>                                                                                                                                            | ned into tank (<br>ed to bottom o | or other containe                      | er) and resu<br>R                          | iting liquid r                          | emoved, /               |                                                                                   |                |                   |                  |                        |                                 |
| c. All product remov                                                                                                                                                                                               | ed to within T                    | of bottom.                             | and and we                                 | har return li                           |                         |                                                                                   |                |                   |                  |                        | Ā                               |
| 3. All product lines at th                                                                                                                                                                                         | he islands or p                   | umps located els                       | sewhere are                                | removed a                               | nd cappe                | d, OR                                                                             | <br>           |                   |                  | Ы.                     | - H                             |
| <ol> <li>Dispertsers/pumps le<br/>5 Vent lines left open.</li> </ol>                                                                                                                                               | oft in place but                  | locked and pow                         | er disconne                                | cted.                                   | 7                       |                                                                                   | <br>           |                   |                  | 8                      | 8                               |
| 6. Inventory form filed I                                                                                                                                                                                          | indicating temp                   | oorary closure.                        |                                            | • • • • • • • • • • •                   |                         | ••••                                                                              |                |                   |                  | đ                      | Ē                               |
| C. CLOSURE BY REMO                                                                                                                                                                                                 | OVAL                              |                                        |                                            |                                         |                         | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,                                            |                |                   | ·                |                        | <b>,</b>                        |
| <ol> <li>Product from piping</li> <li>Piping disconnected</li> </ol>                                                                                                                                               | drained into ta<br>from tank and  | nk (or other cont<br>removed           | tainer).                                   |                                         | • • • • • • • • •       |                                                                                   |                |                   |                  | 51                     |                                 |
| 3. All liquid and residue                                                                                                                                                                                          | e removed from                    | n tank using exp                       | losion proof                               | pumps or I                              | nand pump               | ps                                                                                | • • • • • • •  | ΣY                |                  | Į.                     |                                 |
| <ol> <li>All pump motors and</li> <li>Fill pipes, gauge pipe</li> <li>NOTE: DROP TUBE</li> <li>THE USE OF AN ED</li> </ol>                                                                                         | es, vapor reco<br>SHOULD NO       | very connections                       | or otherwis<br>s, submersil<br>D IF THE TA | e grounded<br>ble pumps a<br>NK IS TO I | ind other f<br>BE PURGI | ixtures r<br>ED THR                                                               | emoved<br>OUGH |                   | , Пи<br>И Пи     | 3 <b>3</b>             |                                 |
| 6. Vent lines left conner                                                                                                                                                                                          | cted until tanks                  | s purged.                              | hrough                                     | • • • • • • • • • • • •                 | ,                       |                                                                                   |                | Y                 |                  | Ц                      | D                               |
| 8. Tank atmosphere rec                                                                                                                                                                                             | duced to 10%                      | of the lower flam                      | mable rang                                 | e (LEL) - <u>se</u>                     | e Section               | <u>F.</u> .,.                                                                     | <br>. <i>.</i> |                   | ИП И             |                        |                                 |
| <ol> <li>Tank removed from to prevent movement</li> </ol>                                                                                                                                                          | excavation afte                   | PURGING/INE                            | RTING; pla                                 | ced on level                            | l ground a              | nd block                                                                          | ked<br>        | <b>177-</b> Y     | <u>и</u> П N     | मि                     | П                               |
| 10. Tank cleaned before                                                                                                                                                                                            | being remove                      | d being removed                        | d from site.                               |                                         |                         |                                                                                   |                | ΞÝ                | <b>D</b> N       | Ţ,                     | ō                               |
| SBU-8951 (R. 06/94)                                                                                                                                                                                                |                                   |                                        | - CONTINU                                  | E ON NEXT                               | PAGE -                  |                                                                                   |                |                   |                  |                        | •                               |
|                                                                                                                                                                                                                    |                                   | •                                      |                                            |                                         |                         |                                                                                   |                |                   | •                |                        |                                 |

|          | 09/29/1999                                                        | 10:40                         | 723-2153                                 | CFPD                                                                      |                     |               | PAGE            | 04 .         |
|----------|-------------------------------------------------------------------|-------------------------------|------------------------------------------|---------------------------------------------------------------------------|---------------------|---------------|-----------------|--------------|
|          | .8                                                                |                               |                                          | · · · · · · · · · · · · · · · · · · ·                                     | •                   | Remover       | Inspector       | NA           |
| <b>.</b> | CLOSURE BY                                                        | REMOVAL                       | (continued)                              | wt before being moved from site                                           |                     |               | Verified        |              |
|          | NOTE: COMP                                                        | LETE TANK                     | LABELING SHOL                            | LD INCLUDE WARNING AGAINST REUSE                                          | 4<br>7<br>7         |               |                 |              |
| į        | FORMER CON                                                        | ITENTS; VA                    | POR STATE; VAP                           | OR FREEING TREATMENT; DATE.                                               | nito                |               | a 15 <b>4</b>   | <u> </u>     |
|          | 12. Tank vent hole<br>13. Inventory form                          | filed by owr                  | uppermost part of<br>the with Safety and | Buildings Division indicating closure by rem                              | oval                |               |                 | Н            |
|          | 14. Site security is                                              | provided wi                   | hile the excavation                      | is open                                                                   |                     |               | <u>v (Š</u>     | Ē            |
| ,        | CLOSURE IN F                                                      | LACE                          |                                          |                                                                           |                     |               |                 |              |
|          | NOTE: CLOS                                                        | URES IN PL                    | ACE ARE ONLY A                           | LLOWED WITH THE PRIOR WRITTEN APP                                         | ROVAL               |               |                 | · ·          |
| 1        | 1. Product from r                                                 | bioing draine                 | d into tank.(or othe                     | or and human relations or local .                                         | AGENI.              |               |                 |              |
| :        | 2. Piping disconn                                                 | ected from t                  | ank and removed.                         |                                                                           |                     |               | V 🗌             | Ш            |
| :        | 3. All liquid and r                                               | esidue remo                   | wed from tank usin                       | g explosion proof pumps or hand pumps                                     | • • • • • • • • • • |               |                 | Д            |
| -        | 5, Fill pipes, gaug                                               | ge pipes, var                 | or recovery conne                        | ictions, submersible pumps and other fixture                              | s removed.          |               |                 | 出            |
| :        | NOTE: DROP                                                        | TUBE SHO                      | ULD NOT BE REM                           | OVED IF THE TANK IS TO BE PURGED TH                                       | IROUGH              | ·             |                 |              |
| :        | 6. Vent lines left                                                | connected u                   | ntil tanks purged.                       |                                                                           |                     |               | N 🗆             | Π            |
| :        | 7. Tank openings                                                  | temporarily                   | plugged so vapor                         | s exit through vent.                                                      |                     |               |                 | Φ            |
|          | <ol> <li>B. Tank atmosphing</li> <li>Tank property</li> </ol>     | ere reduced<br>cleaned to r   | to 10% of the lowe                       | or liammable range (LEL) - <u>see Section F.</u>                          | ••••                | HYH           |                 | H            |
| -        | 10. Solid inert mat                                               | terizi (sand, o               | cyclone boiler slag                      | , pea gravel recommended) introduced and t                                | ank filled.         |               |                 | 茁            |
| 1        | 11, Vent line disco                                               | prinected or I                | removed.                                 | Ruidiago Division indication planuro in plan                              |                     | <u> </u>      |                 | Щ            |
|          | 12. Inventory tonin                                               | med by own                    | ter with Salety and                      | Buildings chasion indicating closure in place                             |                     |               |                 | <u>[]]</u> . |
| •        |                                                                   | SESSMENT                      | S<br>CI DOLIBE AGGES                     | SMENT IS REQUIRED BY REFERRING TO                                         | 11 48 10            |               |                 |              |
| :        | 1. Individual cond                                                | ducting the a                 | issessment has a c                       | slosure assessment plan (written) which                                   | Charliff For        |               |                 |              |
| ÷        | is used as the                                                    | basis for the                 | alr work on the site                     |                                                                           |                     |               | N D             | D            |
|          | <ol> <li>2. Do points of o</li> <li>3. Are there strop</li> </ol> | ovious conta<br>no odors in t | mination exist?<br>he soils?             |                                                                           | ••••                |               | N MAT           |              |
|          | 4. Was a field sc                                                 | reening instr                 | ument used to pre                        | -screen soil sample locations?                                            |                     |               | N Z             | ŏ            |
| ÷        | 5. Was a closure                                                  | assessment                    | t omitted because                        | of obvious contamination?                                                 | •••••               |               |                 |              |
|          | Agency, office                                                    | and person                    | contacted:                               |                                                                           |                     |               |                 | <br>         |
|          | 7. Contamination                                                  | suspected I                   | because of: 🗌 Odo                        | r 🔲 Soil Staining 🛄 Free Product 🗌 Sheen (                                | On Groundw          | ater 🔲 Fiel   | d Instrument    | Test         |
|          | METHOD OF                                                         | ACHIEVING                     | 10% LEVEL DE                             | SCRIPTION                                                                 |                     |               |                 | •            |
| i        | Educator Or D                                                     | liffused Air E                | llower<br>ressed air bonded              | and dron tube left in place; vapors discharge                             | ad minimum          | of 12 feet a  | hove around     |              |
|          | Diffused air I                                                    | blower bond                   | ed and drop tube r                       | amoved. Air pressure not exceeding 5 psig.                                |                     |               | boro grouna     | •            |
| ļ        | Dry Ice                                                           | ducad at 1 B                  | pounds por 180 a                         | allons of tank canacity. Dry ice gruphed and                              | detabuted           | over the er   | aataat aasait   | olo taak     |
|          | , area. Dry ic                                                    | ce evaporate                  | d before proceeding                      | alions of tank capacity. Dry ice clushed and                              |                     | over the gr   | agiast hossir   | JIG (ank     |
| 1        | K Inert Gas (CO                                                   | /2 or N/2) N                  | OTE: INERT GAS                           | SES PRODUCE AN OXYGEN DEFICIENT                                           | ATMOSPHE            | RE. THE T     | 'ANK MAY N      | IOT BE       |
| -        | Gas introduc                                                      | ed through a                  | TE WITHOUT SPE<br>a single opening at    | a point near the bottom of the tank at the en                             | id of the tank      | : opoosite ti | hë vent.        |              |
|          | Gas introduc                                                      | ed under lov                  | w pressure not to e                      | xceed 5 psig to reduce static electricity. Ga                             | as introducin       | g device gr   | ounded.         |              |
| ÷        | Calibrate co                                                      | nere monitore                 | ed for flammable o                       | r combustible vapor levels.<br>Tube removed prior to checking atmosphere. | Tank enac           | e monitore    | d at bottom     | middia       |
| 1        | and upper p                                                       | ortion of tank                | <. Readings of 10                        | % or less of the lower flammable range (LEL                               | ) obtained b        | efore remov   | ing tank fror   | n<br>n       |
| W        | ground.                                                           |                               |                                          |                                                                           |                     |               |                 |              |
| 1.       | NOTE SPECIFIC                                                     | PROBLEM                       | S OR NONCOMPL                            | IANCE ISSUES BELOW                                                        |                     |               |                 |              |
|          |                                                                   |                               |                                          |                                                                           |                     |               |                 |              |
|          |                                                                   |                               |                                          |                                                                           |                     |               |                 |              |
| -        | REMOVER/CLE/                                                      | ANER INFOF                    | RMATION                                  |                                                                           |                     |               | ~               | 00           |
|          | Richard                                                           | A. Lat                        | Werty                                    | All fleak                                                                 | 6562                | 95            | 7-22            | -97          |
|          | Remover Name                                                      | (print)                       |                                          | emover Signature                                                          | lemover Cert        | ification No  | . Date Sign     | ed           |
|          | INSPECTOR I                                                       | NFORMAT                       | ION                                      | Q A (                                                                     |                     |               |                 |              |
|          | KANDY SHE                                                         | RVEY                          |                                          | Kal Showen                                                                |                     | 3514          | 7               |              |
|          | Inspector Name                                                    | (print)                       |                                          | Inspector Signature                                                       |                     | Inspector     | Certification I | No.          |
| •        | 4809                                                              | 1                             | namenting Devices                        | (113) 723-0607                                                            |                     | <u> 9-a</u>   | 9-99            |              |
| đ        | FUIU # POT LOCA                                                   | uon where t                   | nspection Perform                        | ea Inspector Lelephone Number                                             |                     | Uate Sign     | be              |              |
|          |                                                                   |                               |                                          | SAFETY AND BUILDINGS                                                      |                     |               |                 |              |

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