Letter Of Transmittal	I: Name <u>CHRIS HATFIELO</u> Company <u>NORTHERN END</u>
Type of Submittal:	Address 12075 NORTH C
	Phone 262-241-3133
To: Program Assistant/BRR Program SEP 2 - 2008 Wisconsin Dept. of Natural Resources Box 12436 2300 N. Dr. Martin Luther King Jr. Dr. FOR:	Date 8/29/08 Site Name CAPITOL CLEA
Milwaukee, WI 53212 By	Address 2101 EAST CAP

Check type(s) of documents enclosed. Submittals are tracked & filed based on information you provide. Include FID & BRRTS numbers assigned to this site. Identify the intent of document(s) you are submitting in order to speed processing. Please attach required fees to this form.

M	l: Name	CHAU MAIFIELD
	Company_	NORTHERN ENVIRONMENTAL
	Address _	12075 NORTH CORPORATE PARKWAY
	_	MEQNON, WI 53092
	Phone	262-241-3133
	Date _	80, 29, 108
k :	Site Name	CAPITOL CLEANERS
	Address _	2101 EAST CAPITOL DRIVE
	-	SHOKE WOOD, WI
	FID#	
	BRRTS#	02-41-282945

Are you requesting Department Review? Yo N

\checkmark	TYPE OF DOCUMENT/REPORT	FEE	DNR (office use CODE only)						
	Notification of Release	none	01						
	Tank Closure/Site Assessment where release(s) have been detected*	none	33						
	Site Investigation Workplan	\$500 if review is requested	35, 135~						
	Site Investigation Report	\$750 if review is requested	37,						
	groundwater impacts above ES		137~,						
	no groundwater impacts or gw impacts below ES (if petroleum constituents only, case will be								
	transferred to Department of Commerce)	96							
	Request to Transfer Case to Department of Commerce	none	76						
	Off-Site Determination Request	\$500 mandatory	638~						
	Remedial Action Options Plan	\$750 if review is requested	39, 143~						
	NR 720.19 Site Specific Clean-Up Goal Proposal	\$750 if review is requested	67, 68~						
	NR 718 Landspreading Request	\$500 mandatory	61~						
	"Notification to Treat or Dispose" of Contaminated Soil/Water	none ·	99						
	Injection/Infiltration Request	\$500 mandatory	63~						
	Quarterly Report or Update	\$500 if review is requested	43, 43~						
	O & M Form 4400-194	\$300 if review is requested	92, 192~						
	Remedial Action Options Report	\$750 if review is requested	41, 41~						
	Closure Review Request	\$750 mandatory	79~						
	NR700.11 Simple Site Closure Request	\$250 mandatory	183~						
	"Draft Deed Affidavit" or "Restriction required for close-out"	none	99						
	"Well Abandonment Forms"	none	99						
	Remedial Design Report	\$750 if review is requested	147, 148~						
	Construction Documentation Reports	\$250 if review is requested	151, 152~						
	Long Term Monitoring Plan	\$300 if review is requested	24, 25~						
	Voluntary Party Liability Exemption (VPLE) Application	\$250 mandatory	662						
	VPLE "Phase I/II Assessments" or "Additional Reports"	computed hourly	99						
	Tax Cancellation Agreement	\$500 mandatory	654						
	Negotiated Agreement	\$1000 mandatory	630						
	Lender Assessment	\$500 mandatory	686						
	Negotiation and Cost Recovery (municipalities only)	fee for each service, mandatory	90~						
	General Liability Clarification Request	\$500 mandatory	684						
	Lease Letter Request - Single Property	\$500 mandatory	646						
	Lease Letter Request -Multiple Properties	\$1000 mandatory	646						
	Request for Other Technical Assistance	\$500 mandatory	90~						
X	Other (please describe) Phase IT ESA to determine if I	as Site is DERE eligible							

* Closure reports for sites where no releases have been detected should be sent directly to "Clean Closures" c/o DNR Remediation & Redevelopment Program, P.O. Box 7921, Madison WI 53707 Remarks: Potential claim not Reoph form has already brow Submitted to WDNR.





12075 North Corporate Parkway Suite 210 Mequon WI 53092 (262) 241-3133 (800) 776-7140 Fax (262) 241-8222 www.northernenvironmental.com

August 29, 2008 (100-1284)

Mr. Gook Boo Han Capitol Cleaners 2101 East Capitol Drive Shorewood, Wisconsin 53211

RE: Summary of Pre-Discovery Activities; Capitol Cleaners, 2101 East Capitol Drive, Shorewood, Wisconsin; BRRTS #02-41-282945

Dear Mr. Han:

Northern Environmental Technologies, Incorporated (Northern Environmental) prepared this letter to document the results of pre-discovery activities completed at Capitol Cleaners, 2101 East Capitol Drive, Shorewood, Wisconsin (the Site). An approximately 2400-square foot building occupies the Site located in the northwest quarter of the northwest quarter of Section 10, Township 7 North, Range 22 east, city of Shorewood, Milwaukee County, Wisconsin (Figure 1). Figure 2 shows the Site layout.

Pre-discovery activities were performed to evaluate the presence or absence of a chlorinated solvent release resulting from historical dry cleaning operations. Pre-discovery activities included gathering site-specific data (i.e., site investigation scoping) and a Phase II environmental site assessment (ESA).

BACKGROUND

As part of a petroleum release investigation of an adjacent property, tetrachloroethene (PCE) was detected. The adjacent property is located east of Capitol Cleaners. An off-site exemption request was filed on September 28, 2001, and a potential responsible party (PRP) letter was sent to Capitol Cleaners on November 7, 2001.

SITE INVESTIGATION SCOPING

Northern Environmental completed site investigation scoping to address the items specified in section NR 169.05 (27), Wisconsin Administrative Code (s. NR 169.05 [27], Wis. Adm. Code). The items are re-stated in italics below and followed by Northern Environmental's findings.

(a) History of the facility, including the location of dry cleaning equipment and chemical and filter storage

The Site is part of a single-story building with a partial basement that is served by a public water supply and sewer system. Mr. Gook Han, Capitol Cleaners owner and store manager, was interviewed to determine the history of the facility. Mr. Han provided the following information.

- Mr. Han owned and operated the dry cleaning business at the Site for 16 years. It was purchased from an individual (last name "Vogel"). No contact information for Mr. Vogel was obtained.
- Two dry cleaning machines are currently located within the building. A BÖWE Permac Model P536, which used PCE, was installed during 1997, and a SATAC Model B-440 using hydrocarbon (DF-2000) solvent was installed during 2004.

- One dry cleaning machine was on site when Mr. Han purchased the business. Mr. Han never used the dry cleaning machine, and because of its condition, removed it during 1994. All dry cleaning during this time was completed off site until the installation of the BÖWE Permac unit.
- (b) Knowledge of the type of contamination and the amount of contamination

The exact source and quantity of the released PCE is unknown.

(c) Environmental media affected by contamination

Chlorinated solvents have been detected in soil at the Site. Information regarding the results of a limited Phase II ESA performed by Northern Environmental is presented in this letter.

(d) Location of the site and its proximity to other sources of contamination

No other sources of contamination are believed to be present at the Site. Soil contaminated with engine waste oil and PCE is located east of the property at 2107-2109 East Capitol Drive.

(e) Assessment of potential or known impacts to receptors

Numerous buried utilities are present at the Site. Buried water and gas utilities run along the east side the facility. Based on soil samples collected at the Site, the depth to groundwater is greater than 16 feet below grade (fbg).

(f) Assessment of potential impacts to sensitive areas

There are no known sensitive areas on or adjacent to the Property.

(g) A map showing the site boundaries, location of source areas, including utility corridors, sewer lines, adjacent streets, receptor locations and sample locations and results of sampling

The site layout is shown in Figure 2.

LIMITED PHASE II INVESTIGATION METHODS

On August 4, 2008, Northern Environmental completed four soil boreholes (B1 through B4) at the Site using direct-push sampling methods. The soil boreholes were advanced to a maximum of 16 fbg. Soil samples were collected continuously during borehole advancement. The soil borehole locations are shown in the Figure 2.

Northern Environmental personnel described each soil sample in the field. Field soil borehole logs were prepared and included information on soil type, structural characteristics, color, moisture content, consistency, odor, and photoionizable constituents. Each borehole was abandoned by backfilling with bentonite pellets immediately after drilling. Copies of borehole logs and abandonment forms are included in Attachment A. All downhole drilling and sampling equipment was cleaned before on-site use and between each borehole.

A Northern Environmental hydrogeologist maintained borehole logs; examined and described the soil field screened samples; and collected samples for laboratory analysis. In addition, soil samples from each borehole were field screened for volatile organic compounds (VOCs) using a photoionization detector (PID). These samples were placed in a sealable 1-quart plastic bag. Care was taken to maintain a relatively constant soil volume to headspace volume ratio for all samples. The sealed headspace sample was agitated to break up soil clods before being left in a warm environment for at least 15 minutes to allow volatilization to occur. The PID probe was then carefully inserted into the plastic bag and the highest stable response was recorded. The PID used was a Thermo Environmental Instruments Model 580A Organic Vapor Meter equipped with a 10.6 eV

lamp. Based on field screening results, one sample from each borehole was submitted under chain-of-custody for VOC analysis by Synergy Environmental Lab, Incorporated (Synergy).

FINDINGS

Sediments encountered in the boreholes consisted of silty clay. The depth to groundwater is greater than 16 fbg. Therefore, water samples were not obtained from the boreholes. Based on topography, groundwater likely flows east across the Site toward Lake Michigan.

Elevated PID responses were detected in the screened soil samples. PCE, the only detected VOC, was present in all borehole samples submitted for analysis above the detection limit at concentrations of 109 micrograms per kilogram ($\mu g/kg$) (B4) to 2,590,000 $\mu g/kg$ (B2). Soil quality results are summarized in Table 1. Laboratory reports and chain-of-custody records are provided in Attachment B.

CONCLUSIONS AND RECOMMENDATIONS

Based on the analytical results of soil samples collected during the limited Phase II, PCE was released at the Site. Additional investigation is needed to determine the magnitude and extent of contaminated soil and groundwater. This site investigation scoping report should be used to develop a workplan for completing the site investigation. The goal of the investigative work is to further evaluate contaminant concentrations and determine the vertical and horizontal extent of released dry cleaning solvent.

DISCLAIMER

Northern Environmental completed this work in general conformance with federal, state, and local requirements and made all appropriate inquiry consistent with good commercial or customary practice. The results provided in the report are based upon professional interpretation of the information available to Northern Environmental given the time and budget constraints of this project. Northern Environmental has assumed the information provided by the client and property owner and included in the report is factual, complete, and correct. Northern Environmental does not warrant that this report represents an exhaustive study of all possible environmental concerns associated with the Property. However, the items included in this report are believed to adequately address soil and groundwater quality at the Site and the client's needs at this time.

Thank you again for the opportunity to assist you with this important project. Please contact us at (262) 241-3133 if you have any questions or concerns.

Sincerely, Northern Environmental Technologies, Incorporated

Andrew J Swaim Graetigte Geologist

Christopher C. Hatfield, P

Project Manager

AJS/lmh Attachments

c: Wisconsin Department of Natural Resources ¢ 2008 Northern Environmental Technologies. Inc





Table 1	Soil Sample Field Screening and Laboratory Analytical Results
	Capital Cleaners, 2101 East Capitol Drive, Shorewood, Wisconsin

						Detected VOCs (µg/kg)
Borehole Number	Sample Number	Date Sampled	Sample Depth (feet)	PID Response (iui)	Description	Tetrachloroethene
BI	S101	08/04/08	0-2	0	Silty clay	-
	S102	08/04/08	2-4	0	Silty clay	-
	S103	08/04/08	4-6	1	Silty clay	-
	S104	08/04/08	6-8	4	Silty clay	-
	S105	08/04/08	8-10	12	Silty clay	2290
	S106	08/04/08	10-12	3	Silty clay	-
	S107	08/04/08	12-14	0	Silty clay	-
	S108	08/04/08	14-16	3	Silty clay	-
B2	S201	08/04/08	0-2	8	Silty clay	_
	S202	08/04/08	2-4	35	Silty clay	-
	S203	08/04/08	4-6	5	Silty clay	-
	S204	08/04/08	6-8	20	Silty clay	-
	S205	08/04/08	8-10	51	Silty clay	-
	S206	08/04/08	10-12	823	Silty clay	2,590,000
	S207	08/04/08	12-14	320	Silty clay	-
	S208	08/04/08	14-16	57	Silty clay	-
B3	S301	08/04/08	0-2	1	Silty clay	_
	S302	08/04/08	2-4	2	Silty clay	-
	S303	08/04/08	4-6	3	Silty clay	-
	S304	08/04/08	6-8	3	Silty clay	580
	S305	08/04/08	8-10	0	Silty clay	-
	S306	08/04/08	10-12	2	Silty clay	~
	S307	08/04/08	12-14	2	Silty clay	-
	S308	08/04/08	14-16	2	Silty clay	-
B4	S401	08/04/08	0-2	2	Silty clay	_
	S402	08/04/08	2-4	-	Silty clay	-
	S403	08/04/08	<u>4-6</u>	2	Silty clay	109
	S404	08/04/08	6-8	0	Silty clay	-

Note:

<x

VOCs = volatile organic compounds

 $\mu g/kg = micrograms per kilogram$

PID = photoionization detector

iui = instrument units as isobutylene

= compound not detected to a detection limit of x

- = not analyzed



ATTACHMENT A

BOREHOLE LOGS

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

Route To: W

Watershed/Wastewater

Waste Management
Other

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WI Unique Well No. DNR Well ID No. Common Well Name	Final S	Static Wa	ter Lev	el	Surfa	e Eleva	tion	r.	Bo	rehole	Diameter
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S103 24 -4.5					l	1.6					
ss V 22 F former TOPSOILI, very dark gravis	sh	OL									
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SIO4 24 - (fill) SS 22 - SILTY CLAY few gravel brown] [4	1.7					
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105 J 24 brown (10YR 4/4) ,moist, no odor,					12	4.5					
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This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$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 be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

Route To:

Watershed/Wastewater

Waste Management
Other

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S208 24 E				57						
SS V 22 - 15.0										
End of Borehole @ 16 fbg										
I hereby certify that the information on this form is true and correct	ct to the best of	f my knowl	ledge.							
Signature Firm	ⁿ Northern	Environ	mental To	echno	logies				Tel:	262-241-3133
and your	12075 N. Co	orporate Pa	arkway, Sui	te 210	Mequon	, Wisco	onsin, S	53092	Fax:	262-241-8222

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SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

Route To:

Watershed/Wastewater

Waste Management
Other

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result in forfeiture of between \$10 and \$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 be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

SOIL BORING LOG INFORMATION

Form 4400-122

Rev. 7-98

Route To:

Watershed/Wastewater

Waste Management
Other

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Nur and	Rec	Blo	Dep						n s	Gra	Wel	PID	Stre Con	Con Con	Liqu	Plas Inde	P 2(Con Con
\$401 \$\$	24		-	Asphalt	. 1. 1	11	(10	WD		222222		0						
Ň			-	4/4) char	y, dark y Iging to	ellowish brow	vn (10 3/4), g)YK drv										
\$407	24		- 1,3	becomin	g moist a	after 2 fbg, no	odor					0	20					
ss	6		E-30									Ŭ	4.7	ł				
M			-															
S403	24		-4.5						CL-M			2						
55 V	25		-															
Ц			-6.0															
S404 SS //	24 23											0						
M			-7.5															
4			-	End of B	orehole	(a) 8 fbg				mun								
						0 0								l		ļ		
							_											
I hereby	certif	y that	the info	ormation on t	his form is	true and correct t	to the b	est of m	y know	ledge.								
Signature	° /	7.	1	16	~	Firm	Nort	hern E	nviror	ment	al Tec	hnol	ogies				Tel:	262-241-3133
	\mathcal{O}	mo	<u>~~</u>	y n	<u> </u>	I	12075	N. Corp	orate P	arkway	y, Suite	210	Mequon	, Wisc	onsin, .	53092	Fax: 1	262-241-8222

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$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 be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route to: Drinking Wat	er L Watersho	2d/Wastewater U Waste Manag	ement L Ren	nediation/Redev	elopment Other							
(1) GENERAL INFOR	RMATION		(2) FACILI	TY /OWNEI	R INFORMATION	a a su a						
WI Unique Well No.	DNR Well ID No	. County	Facility Nar	nc								
		Milwaukee	Capital (Cleaners								
Common Well Name	Bl	Gov/El nt (if applicable)	Facility ID		License/Permit/Mon	itoring No.						
Common wen wante			2410816	10	0							
<u>NE</u> 1/4 of <u>NW</u> 1/4	f of Sec. <u>10</u>	;T. <u>7</u> N;R. <u>22</u> KE	Street Addre	ess of Well								
Grid Location			2101 E C	2101 E Capitol Dr								
ft. [_]	N. 🗌 S., 🔛	ft. 🗌 E. 📙 W.	City, Village, or Town									
Local Grid Origin	(estimated:) or Well Location	Shorewood Present Well Owner Original Owner									
a 1			Present wei	I Owner	Orginal Ov	viici						
Lat	Long	or	Street Addre	m	Oumer							
State Plane	0 N.		2101 E (Panital Dr	O miler							
Reason For Abandonment		Unique Well No.	City, State.	Zip Code								
Exploration Borehole	off	Replacement Well	Shorewo	od WI 5321	1							
(3) WELL/DRILLHO	LE/BOREHOI	LE INFORMATION	(4) PUMP,	LINER, SCR	EEN, CASING, & SE	EALING MATERIAL						
	an runneter for the first of		Pump	r Pining Romon	und? Yes T	No. Not Applicable						
Original Construction I	Date		Linerts	Removed?	\square Yes \square	No Not Applicable						
Monitoring Well	1 15	a Wall Construction Barast	Screen	Removed?	\Box Yes \Box	No Not Applicable						
Water Well	is	available, please attach.	Casing	Left in Place?	🗌 Yes 🔲	No						
Drillhole / Borehol	le I		Was Cs	sing Cut Off B	alour Surface?	Yes No						
Construction Type:			Did Ser	aling Cat Off Da	tise to Surface?							
Drilled		(Sandpoint)	Did Ma	teríal Settle Aft	er 24 Hours?	Yes No						
			If Ye	If Yes, Was Hole Retopped?								
Uner (Specify)				A Mathad of Di	aging Carling Matarial							
Formation Type:				a weeter Dire	acing Scaling Material	tor Ding Dungad						
Unconsolidated Fo	rmation	Bedrock		nductor Pipe - 0	\Box	cor ripe - rumpeu						
				Sontonito Chine		explain)						
Total Well Depth (II) (From ground surface)		Casing Diameter (in.)		Minorine Cimps	<u>,</u>							
(4.000 8.0000 00000)		Casing Depth (fl.)	* Next Convert Growt monitoring wells hareholds only									
Lower Drillhole Diame	ter (in.)		Sand Compart (Construct) Circuit monitoring well borchoics only									
			Concrete									
Was Well Annular Space	ce Grouted?	J Yes L No L Unknown		av-Sand Shurry	! 🕅	Granular Bentonite						
If Yes, To Wha	st Depth?	Feet		ntoníte-Sand Sl		Bentonite-Cement Grout						
Depth to Water (Feet) _				ipped Bentonite	, ic	Bentonite - Sand Slurry						
	0	117	n (155)	T. (P.)		Mix Ratio						
(5)	Sealing Materi	al Used	From (Ft.)	10 (FL)	Sacks Sealant	or Mud Weight						
Concrete			Surface	0.5	0.1							
Granular Bentonite			0.5	16.0	0.5							
			<u></u>	l	J	1						
(6) Comments BI												
(o) Comments		<u></u>										
(7) Name of Person or Firm	Doing Scaling W	ork Date of Abando	nment	- PA	Ο ΠΝΙΌ ΔΟ ΔΟΙΙΧΥΈΥ U	SE ONLY						
Probe Technologies, In	nc	8/4/08		rU Danalari		SE UNE I						
Signature of Person Doing	Work for	I L Q Date Signed	Dat	e Received	Noted By							
Streat or Date	Van Dune	Telenhone Number	C	imante	<u></u>	n an an an Anna an Anna Anna Anna Anna						
BO Don 201		262 405 2210										
City State Zin Code		202-473-2317	[land a second							
Palmyra WI												
Lannyra, Mt			L									

Route to: Drinking Water Watershed/Wastewater Waste Managen	nent 🗌 Remediatio	on/Redevelopment Other						
(1) GENERAL INFORMATION	(2) FACILITY /C	OWNER INFORMATION						
WI Umque Well No. DNK Well ID No. County	Facility Name							
Milwaukee	Capital Cleane	TS Licensa/ParmitAde	nitoring No					
Common Well Name B2 Gov't Lot (if applicable)	241091610	Licenser entitiviti	moring ivo.					
NE	Street Address of V	Vell						
$\frac{142}{\text{Grid Location}} \frac{14 \text{ of } 14 \text{ of } \text{Sec.} 10}{14 \text{ of } \text{Sec.} 10} (1, 1, 2) \text{ N; R, } \frac{122}{14} \text{ of } W$	2101 F Canito	l Dr						
	City, Village, or Town							
	Shorewood							
Local Grid Origin 🗋 (estimated: 🛄) or Well Location 🖾	Present Well Owne	er Original O	wner					
Lat Or Long or	Gook Han							
	Street Address or F	Route of Owner						
Baacon For Abandonment JWI Unique Wall No	2101 E Capito	I Dr						
Exploration Borzhole of Replacement Well	Shorewood W	ис /Г 53211						
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINE	R, SCREEN, CASING, & S	EALING MATERIAL					
	Puppo & Pinin	e Removed? Yes	No Not Annlicable					
Original Construction Date	Liner(s) Remo	wed? Ves	No Not Applicable					
Monitoring Well	Screen Remov	red? I Yes [No Not Applicable					
Water Well is available, please attach.	Casing Left in	Place?Yes	No					
Drillhole / Borchole	Was Casing C	ut Off Below Surface?	Yes 🗌 No					
Construction Type:	Did Sealing M	laterial Rise to Surface? 🛛 🛛 🛛	Yes 🗌 No					
Drilled Driven (Sandpoint) Dug	Did Material S	Settle After 24 Hours?	Yes X No					
Other (Specify)	It Yes, Was Hole Retopped?							
Formation Type:	Required Meth	nod of Placing Sealing Material						
Unconsolidated Formation	Sercened	r Pipe - Gravity 🔛 Condu & Poured 🗌 Other	ictor Pipe - Pumped (Explain)					
Total Well Depth (ft) Casing Diameter (in.)	(Bentoni	ite Chips)	(,					
(From ground surface)	Sealing Materials For monitoring wells and							
	Neat Cement Grout monitoring well boreholes only							
Lower Driffole Diameter ()n.)	Sand-Cement (Concrete) Grout							
Was Well Annular Space Grouted? 🔲 Yes 🔲 No 🔲 Unknown	Concrete Bentonite Chips							
If Yes, To What Depth? Fect	Clay-Sand	Sand Shum	Bontonita Camont Crow					
Depth to Water (Feet)	Chipped I	-Sanu Shurry _	Bentonite - Sand Sturry					
			Mix Ratin					
(5) Scaling Material Used	From (Ft.) To	o (F1.) Sacks Sealant	or Mud Weight					
Concrete	Surface	0.5 0.1						
Granular Bentonite	0.5 1	6.0 0.5						
(6) Comments								
(7) Name of Person or Firm Doing Scaling Work Date of Abandonn	nent							
Probe Technologies, Inc 8/4/08		FOR DNR OR COUNTY I	JSE ONLY					
Signature of Person Doing Work For Date Signed	Date Recei	ived Noted By						
Tool of Route Talanhara Number	Commonte							
PO Box 294 262-405-2310	Comments							
City, State, Zip Code	, <u></u>							
Palmyra, WI								

Route to: Drinking Water Watershed/Wastewater Waste Managem	ment Remediation/Redevelopment Other							
(1) GENERAL INFORMATION	(2) FACILITY /OWNER INFORMATION							
WI Unique Well No. DNR Well ID No. County	Facility Name							
Milwaukee	Capital Cleaners							
Common Well NameB3 Gov't Lot (if applicable)	241081610 0							
NE $(a \in NW)$ $(a \in N$	241001010 U Straot Address of Well							
Grid Location $(14 \text{ of } 5ec. 10 \text{ (1.)} \text{ N; R}, 22 \text{ (1.)} \text{ W}$	2101 E Capitol Dr							
	City, Village, or Town							
	Shorewood							
Local Grid Origm (estimated:) or Well Location 🖂	Present Well Owner Original Owner							
Lat U Long o or	Gook Han							
	Street Address or Route of Owner							
Rancow For Abandanment	2101 E Capitol Dr							
Exploration Borehole of Rankacaman Wall	Shorawood WI 53211							
(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL							
	Pump & Pining Removed? Vie No No Analicable							
Original Construction Date	Liner(s) Removed? \Box Yes \Box No \Box Not Applicable							
Monitoring Well	Screen Removed?							
Water Well is available, please attach.	Casing Left in Place? 🛛 Yes 🗌 No							
Drillhole / Borehole	Was Casing Cut Off Below Surface?							
Construction Type:	Did Scaling Material Rise to Surface? Xes No							
Drilled Driven (Sandpoint) Dug	Did Material Settle After 24 Hours? Yes X No							
Other (Specify)	If Yes, Was Hole Retopped?							
Formation Type:	Required Method of Placing Scaling Material							
Unconsolidated Formation 🔲 Bedrock	Conductor Pipe - Gravity U Conductor Pipe - Pumped							
	(Bentanite Chins)							
(From ground surface)	Carling Materials							
Casing Depth (ft.)	Neat Cement Grout monitoring well borcholes only							
Lower Drillhole Diameter (in.)	Sand-Cement (Concrete) Grout							
Was Well Appular Space Grouted? Ves No Unknown	Concrete Bentonite Chips							
	Clay-Sand Slurry Granular Bentonite							
If Yes, to what Depin? Feet	Bentonite-Sand Shurry j Bentonite-Cement Grout							
Depth to Water (Feet)	Chipped Bentonite Bentonite · Sand Slurry							
(5) Scaling Material Used	From (Ft.) To (Ft.) Sacks Sealant Mix Ratio or Mud Weight							
Asphalt	Surface 0.5 0.1							
Granular Bentonite	0.5 16.0 0.5							
(6) Comments <u>B3</u>								
(7) Name of Person or Firm Doing Scaling Work Date of Abandonm								
Probe Technologies, Inc 8/4/08	FOR DNR OR COUNTY USE ONLY							
Signature of Person Doing Work Fur Ander 1, Sui Days Bendorf 4126/08	Date Received Noted By							
Street or Route Telephone Number	Comments							
PO Box 294 262-495-2319								
City, State, Zip Code								
Palmyra, WI								

Route to: Drinking Water Watersh	ed/Wastewater Waste Manager	nent [] Ren	nediation/Redev	elopment Other	
(1) GENERAL INFORMATION		(2) FACILI	TY /OWNER	RINFORMATION	
WI Unique Well No. DINK Well ID No	5. County	racinty Nan	ne		
1	Milwaukee	Capital C	leaners	Liconco/Parmit/Man	itoring No
Common Well Name B4	Gov't Lot (if applicable)	2410816	10	A A	itoring ito.
NE MUSE NW MARGER 10	т. 7 м.в. 22 🕅 Е	Street Addre	ess of Well		
Grid Location	.;1. <u>N;K</u> ₩	2101 E C	Capitol Dr		
		City, Villago	e, or Town		·····
		Shorewo	od		
) or well Location	Present Wel	Owner	Original Ow	vner
Lat Long	or or	Gook Ha	in		
Charle Division O. M.		Street Addre	ess or Route of C	Jwner	
Reason For Abandonment	Lunique Well No	City State	Capitol Dr	······································	
Exploration Borehole	Renfacement Well	Shorewo	od WI 5321	1	
(3) WELL/DRILLHOLE/BOREHO	LE INFORMATION	(4) PUMP.	LINER, SCR	EEN, CASING, & SE	ALING MATERIAL
		Pump &	Pining Reprov		No. Not Applicable
Original Construction Date		Liner(s)	Removed?	\square Yes \square	No Not Applicable
Monitoring Well	fa Well Construction Report	Screen	Removed?		No Not Applicable
Water Well	s available, please attach.	Casing	Left in Place?	🗌 Yes 🗌	No
Drillhole / Borchole		Was Ca	sing Cut Off Be	low Surface?	Yes No
Construction Type:		Did Sea	ling Material R	ise to Surface?	Yes 🗌 No
Drilled Driven	(Sandpoint) Dug	Did Ma	terial Settle Afte	er 24 Hours?	Yes 🛛 No
Other (Specify)		If Yes	, Was Hole Ret	opped?	Yes No
Formation Type:		Require	d Method of Pla	cing Scaling Material	
Unconsolidated Formation	Bedrock		nductor Pipe - C	iravity 🔲 Conduc	tor Pipe - Pumped
			cencu & rourei Contanite Chins)		Explain)
(From ground surface)	Casing Diameter (in.)	Carlina	Matariala	Ear	
, , ,	Casing Depth (fl.)		Matchais	roru t moni	toring wells and
Lower Drillhole Diameter (in.)	<u></u>		nd-Cement (Con	crete) Grout	toring non obtained any
Was Well Appular Space Grouted?			ncrete	Í ! 🗆	Bentonite Chips
			iy-Sand Slurry	¦ 🖂	Granular Bentonite
If Yes, to what Depin?	reet	Bei	ntonite-Sand Sh	иту јЦ	Bentonite-Cement Grout
Depth to Water (Feet)			ipped Bentonite		Bentonite - Sand Slurry
(5) Sealing Mater	ial Used	From (Ft.)	To (Ft.)	Sacks Sealant	Mix Ratio or Mud Weight
Asphalt		Surface	0.5	0.1	
				_	
Granular Bentonite		0.5	8.0	0.2	
(6) Comments <u>B4</u>		1			
(7) Name of Person or Firm Doing Sealing V	Vork Date of Abandom	uent			
Probe Technologies, Inc	8/4/08		FOI	R DNR OR COUNTY U	SEONLY
Signature of Person Doing Work For	Date Signed	Date	Received	Noted By	
Chrome Ban Ban Ba	indort 6/26/08			l	
Street or Route	Telephone Number	Com	ments		
PO Box 294	262-495-2319				
Dalmura WI					
i antiyla, mi			The second s		



ATTACHMENT B

LABORATORY RESULTS AND CHAIN-OF-CUSTODY DOCUMENTATION

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

ANDREW SWAIM NORTHERN ENVIRONMENTAL 12075 N. CORPORATE PARKWAY MEOUON WI 53092

Report Date 19-Aug-08

Project Name Proiect #	100-1284		Invoice # E17617									
Lab Code Sample ID Sample Matrix Sample Date	5017617A S105 Soil 8/4/2008											
		Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code	
General												
General												
Solids Percent		85.7	%			1	5021		8/6/2008	MDK	L	
Organic												
VOC's												
Benzene		< 20	no/ko	20	64	ĩ	8260B		\$/\$/7008	MIR	1	
Braniobenzene		< 34	110/120	34	107		8260B		8/8/2008	MIR	1	
Bromodichloromet	hane	< 16	ue/kg	16	51	1	8260B		8/8/2008	MJR	1	
Bromoform		< 23	ug/kg	23	72	1	8260B		8/8/2008	MJR	1	
tert-Butylbenzene		< 23	ug/kg	23	75	1	8260B		8/8/2008	MJR	1	
sec-Butylbenzene		< 25	ug/kg	25	81	1	8260B		8/8/2008	MJR	1	
n-Butylbenzene		< 35	ug/kg	35	110	1	8260B		8/8/2008	MJR	1	
Carbon Tetrachlori	de	< 21	ug/kg	21	67	1	8260B		8/8/2008	MJR	1	
Chlorobenzene		< 16	ug/kg	16	52	1	8260B		8/8/2008	MJR	1	
Chloroethane		< 23	ug/kg	23	73	1	8260B		8/8/2008	MJR	1	
Chloroform		< 50	ug/kg	50	160	1	8260B		8/8/2008	MJR	1	
Chloromethane		< 43	ug/kg	43	136	1	8260B		8/8/2008	MJR	1	
2-Chlorotoluene		< 31	ug/kg	31	97	1	8260B		8/8/2008	MJR	1	
4-Chlorotoluene		< 24	ug/kg	24	77	1	8260B		8/8/2008	MJR	i	
1,2-Dibromo-3-chl	oropropane	< 37	ug/kg	37	118	1	8260B		8/8/2008	MJR	1	
Dibromochloromet	hane	< 21	ug/kg	21	66	1	8260B		8/8/2008	MJR	1	
1,4-Dichlorobenzer	ne	< 42	ug/kg	42	132	1	8260B		8/8/2008	MJR	L	
1,3-Dichlorobenzer	ne	< 41	ug/kg	41	130	1	8260B		8/8/2008	MJR	1	
1,2-Dichlorobenzer	ne	< 32	ug/kg	32	103	I	8260B		8/8/2008	MJR	1	
Dichlorodifluorom	ethane	< 33	ug/kg	33	105	1	8260B		8/8/2008	MJR	1	
1,2-Dichloroethane	:	< 24	ug/kg	24	75	1	8260B		8/8/2008	MJR	I	
1,1-Dichloroethane		< 22	ug/kg	22	69	ł	8260B		8/8/2008	MJR	l	

Project Name							Inv	oice # E1761	17		
Project #	100-1284										
Lab Code	5017617B										
Sample ID	S206										
Sample Matrix	Soil										
Sample Date	8/4/2008										
		Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Chloromethane		< 21500	ug/kg	21500	68000	500	8260B		8/19/2008	CJR	1
Dibromachloromet	hane	< 10500	ug/kg	10500	33000	500	8260B		8/19/2008	CJR	1
Dichlorodifluorom	ethane	< 16500	ug/kg	16500	52500	500	8260B		8/19/2008	CJR	1
1,2-Dichloroethane	2	< 12000	ug/kg	12000	37500	500	8260B		8/19/2008	CJR	1
1,1-Dichloroethane	•	< 11000	ug/kg	11000	34500	500	8260B		8/19/2008	CJR	1
1,1-Dichloroethene	e	< 13500	ug/kg	13500	43500	500	8260B		8/19/2008	CJR	1
cis-1,2-Dichloroeth	nene	< 12000	ug/kg	12000	38500	500	8260B		8/19/2008	CJR	1
trans-1,2-Dichloro	ethene	< 14500	ug/kg	14500	46000	500	8260B		8/19/2008	CJR	1
1,2-Dichloropropa	ne	< 9500	ug/kg	9500	29500	500	8260B		8/19/2008	CJR	1
2,2-Dichloropropa	ne	< 57500	ug/kg	57500	2E+05	500	8260B		8/19/2008	CJR	1
1,3-Dichloropropa	ne	< 10500	ug/kg	10500	33500	500	8260B		8/19/2008	CJR	1
Di-isopropyl ether		< 7500	ug/kg	7500	24000	500	8260B		8/19/2008	CJR	1
EDB (1,2-Dibrome	bethane)	< 10500	ug/kg	10500	33000	500	8260B		8/19/2008	CIR	1
Methylene chloride		< 22000	ug/kg	22000	20000	500	8260B		8/19/2008	CIR	4
Meinyi tert-outyi e	ther (MIBE)	< 13500	ug/kg	11500	42500	500	0200D 0260D		8/10/2008	CIR	1
Tatrachlanathaun	beinane	2500000	ug/kg	0000	43300	500	82600		8/19/2008 R/19/2008	CIR	1
Teluane		< 11500	ug/kg	11500	36000	500	8260B		8/19/2008	CIR	1
1 1 1 Trichloroeth	ne	< 13500	ug/kg	13500	42000	500	8260B		8/19/2008	CIR	1
1.1.2.Trichloroetha	ine	< 15000	ug/kg	15000	47000	500	8260B		8/19/2008	CJR	1
Trichloroethene (T	(F)	< 10000	nø/kg	10000	32500	500	8260B		8/19/2008	CJR	1
Trichlorofluoromet	(hane	< 8000	nø/ke	8000	25500	500	8260B		8/19/2008	CJR	1
Vinyl Chloride		< 8500	ug/kg	8500	28000	500	8260B		8/19/2008	CJR	1
, , , , , , , , , , , , , , , , , , ,			0.0								
Lab Code	5017617C										
Sample ID	S304										
Sample Matrix	Soil										
Sample Date	8/4/2008										
		Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General											
General											
Solids Percent		85.3	%			1	5021		8/6/2008	MDK	1
Organia											
VOC											
VUUS			a				02600		8/12/2009	CID	
Benzene		< 20	ug/Kg	20	04	1	8260B		8/12/2008	CIR	1
Bromobenzene	h	< 34	ug/kg	14 16	107	1	8200B		8/12/2008	CIR	1
Bromodicatoromet	nane	< 10	ug/kg	10	71	1	82600		8/12/2008 8/12/2008	CIR	1
bromotorni tert Butylbergere		< 23	ug/kg	22	72	1	826019		8/12/2008	CIR	1
sec. Rutylbenzere		< 25	ugyng na/ko	25	23	1	8260R		8/12/2008	CIR	• 1
n-Butylbenzene		< 35	uø/kø	25	110	1	8260B		8/12/2008	CJR	
Carbon Tetrachlori	de	< 21	ч <i>а</i> чъ ца/ка	21	67	-	8260B		8/12/2008	CJR	1
Chlorobenzene		< 16	ug/kg	16	52	1	8260B		8/12/2008	CJR	1
Chloroethane		< 23	ug/kg	23	73	1	8260B		8/12/2008	CJR	1
Chloroform		< 50	ug/kg	50	160	1	8260B		8/12/2008	CJR	1
Chloromethane		< 43	ug/kg	43	136	1	8260B		8/12/2008	CJR	1
2-Chlorotoluene		< 31	ug/kg	31	97	1	8260B		8/12/2008	CJR	I
4-Chlorotoluene		< 24	ug/kg	24	77	1	8260B		8/12/2008	CJR	1

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WI DNR Lab Certification # 445037560

Project Name Project # 100-1284 5017617D

Lab Code Sample ID S403

Sample Matrix Soil

8/4/2008

Sample Date	8/4/2008										
		Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
VOC's											
Benzene		< 20	ug/kg	20	64	1	8260B		8/12/2008	CJR	1
Bromobenzene		< 34	ug/kg	34	107	1	8260B		8/12/2008	CJR	1
Bromodichlorome	thane	< 16	ug/kg	16	51	1	8260B		8/12/2008	CJR	1
Bromoform		< 23	ug/kg	23	72	1	8260B		8/12/2008	CJR	1
tert-Butylbenzene		< 23	ug/kg	23	75	i	8260B		8/12/2008	CJR	1
sec-Butylbenzene		< 25	ug/kg	25	81	1	8260B		8/12/2008	CJR	1
n-Butylbenzene		< 35	ug/kg	35	110	1	8260B		8/12/2008	CJR	1
Carbon Tetrachlor	ride	< 21	ug/kg	21	67	1	8260B		8/12/2008	CJR	1
Chlorobenzene		< 16	ug/kg	16	52	1	8260B		8/12/2008	CJR	1
Chloroethane		< 23	ug/kg	23	73	1	8260B		8/12/2008	CJR	1
Chloroform		< 50	ug/kg	50	160	1	8260B		8/12/2008	CJR	1
Chloromethane		< 43	ug/kg	43	136	1	8260B		8/12/2008	CJR	1
2-Chlorotoluene		< 31	ug/kg	31	97	1	8260B		8/12/2008	CJR	1
4-Chlorotoluene		< 24	ug/kg	24	77	t	8260B		8/12/2008	CJR	1
1,2-Dibromo-3-ch	loropropane	< 37	ug/kg	37	118	1	8260B		8/12/2008	CJR	1
Dibromochlorome	thane	< 21	ug/kg	21	66	l	8260B		8/12/2008	CJR	1
1,4-Dichlorobenze	ene	< 42	ug/kg	42	132	1	8260B		8/12/2008	CJR	1
1,3-Dichlorobenze	ene	< 41	ug/kg	41	130	1	8260B		8/12/2008	CJR	1
1,2-Dichlorobenze	ene	< 32	ug/kg	32	103	1	8260B		8/12/2008	CJR	1
Dichlorodifluoron	nethane	< 33	ug/kg	33	105	1	8260B		8/12/2008	CJR	1
1,2-Dichloroethan	ie	< 24	ug/kg	24	75	1	8260B		8/12/2008	CJR	I
1,1-Dichloroethan	e	< 22	ug/kg	22	69	1	8260B		8/12/2008	CJR	1
1,1-Dichloroethen	c	< 27	ug/kg	27	87	1	8260B		8/12/2008	CJR	1
cis-1,2-Dichloroet	hene	< 24	ug/kg	24	77	1	8260B		8/12/2008	CJR]
trans-1.2-Dichloro	oethene	< 29	ug/kg	29	92	1	8260B		8/12/2008	CJR	1
1.2-Dichloropropa	ine	< 19	ug/kg	19	59	1	8260B		8/12/2008	CJR	1
2.2-Dichloropropa	me	< 115	ug/kg	115	365	1	8260B		8/12/2008	CJR	1
1.3-Dichloropropa	me	< 21	ug/kg	21	67	1	8260B		8/12/2008	CJR	1
Di-isopropyl ether	-	< 15	ug/kg	15	48	1	8260B		8/12/2008	CJR	ł
EDB (1.2-Dibrom	oethanc)	< 21	ue/kg	21	66	1	8260B		8/12/2008	CJR	1
Ethvlbenzene	,	< 16	ug/kg	16	52	1	8260B		8/12/2008	CJR	1
Hexachlorobutadi	ene	< 50	ug/kg	50	159	1	8260B		8/12/2008	CJR	1
Isopropylbenzene		< 30	ug/kg	30	95	1	8260B		8/12/2008	CJR	1
p-Isopropyltoluene	6	< 30	ug/kg	30	95	1	8260B		8/12/2008	CJR	1
Methvlene chlorid	le	< 44	ug/kg	44	140	1	8260B		8/12/2008	CJR	47
Methyl tert-butyl	ether (MTBE)	< 23	ug/kg	23	72	1	8260B		8/12/2008	CJR	1
Nanhthalene	····· 、	< 117	ue/ke	117	373	1	8260B		8/12/2008	CJR	1
n-Pronvibenzene		< 29	ue/kg	29	93	1	8260B		8/12/2008	CJR	1
1.1.2.2-Tetrachlor	oethane	< 25	ug/kg	25	79	1	8260B		8/12/2008	CJR	1
1.1.1.2-Tetrachlor	oethane	< 27	ug/kg	27	87	1	8260B		8/12/2008	CJR	1
Tetrachloroethene		109	ug/kg	18	57	1	8260B		8/12/2008	CJR	I
Тојиспе		< 23	ug/kg	23	72	1	8260B		8/12/2008	CJR	1
1.2.4-Trichlorober	izene	< 53	ug/kg	53	169	1	8260B		8/12/2008	CJR	1
1.2.3-Trichlorober	izene	< 87	ue/ke	87	277	1	8260B		8/12/2008	CJR	1
1.1.1-Trichloroeth	ane	< 27	uø/ke	27	84	3	8260B		8/12/2008	CJR	1
1.1.2-Trichloroeth	ane	< 30	ue/ke	30	94	1	8260B		8/12/2008	CJR	1
Trichloroethene (7	ICE)	< 20	ue/ke	20	65	1	8260B		8/12/2008	CJR	1
Trichlorofluorome	thane	< 16	10/kp	16	51	1	8260B		8/12/2008	CJR	1
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Invoice # E17617

Nort In Environm Hydrologists • Engineers • Surveyor	nental" CHA	AIN OF CUSTODY		D REQUEST	FOR ANALYSIS	Pag of No:319
Check office originating request	954 Circle Drive Green Bay, Wi 54304 920-592-8400 FAX 920-592-8444	330 South 4th Avenue Park Fails, WI 54552 715-762-1544 Fax 715-762-1844	647 Act Northbri 847-562 FAX 84	ademy Drive vok, il. 60062 2-8577 7-562-8552	3349 Southgate Court SW #102 Cedar Rapids, IA 52404 319-365-0466 FAX 319-365-0464	
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Project No: 1284 Task N	D:	Laboratory: Shere (/	Sample Integrity - To be o	ompleted by receiving lab	
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