04-71-280774

State of Wisconsin
Department of Natural Resources

Substance Release Notification Form
Form 4400-91 (Rev. 1-01, e-form) Page 1 of 2

24 Hour Emergency Hotline Number: 1-800-943-0003

04-71-280774

Date & Mil. Time of Incident: 5-10-01	**Date & Mil. Time Reported** 5-10-01	**Spill File #**
Person Reporting	**Representing:**	**Phone #** ( )
Responsible Party/Spiller Unknown Spiller - O'Connor Oil	**RP Decision based on** Property Owner	**Phone #** (920)921-8020
Contact Name Robert Wegele		**Phone #** (920)921-8020
Address PO Box 968	**City, State, Zip Code** Fond du Lac WI 54936	
Substance Involved Diesel Fuel	**Amount & Units Released** 30 - 80 gallons - FD estimates 30 gallons	**Amount Recovered** 100%

☐ **Solid** ☐ **Semisolid** ☒ **Liquid** ☐ **Gas** **Color:** **Odor:**

Exact Location (Inc. address, facility name, mileage, bldg. #,etc) 2905 Jackson Street - Diesel Dispenser		**Property owner (if known)** O'Connor Oil
City Oshkosh	**County** Winnebago	Lat/Long
DNR Region NER	SE 1/4 SE 1/4 sec 2 NR 16 (E/W)	Weather Cond.

Cause of Incident:
Unknown - improper use of dispencer pump?

Spilled Substance Impact To:
Check ( ) all that apply:
☐ Air ☐ Potential
☒ Soil ☐ Potential
☐ Groundwater ☐ Potential
☐ Surface Water ☐ Potential
Name:
☒ Storm Sewer ☐ Potential
☐ Sanitary Sewer ☐ Potential
☒ Concrete/Asphalt ☐ Potential
☐ Private Well ☐ Potential
☐ Contained/Recovered
☒ Other: Draiage Ditch

Spill Source:
☐ Transportation Accident, Fuel Tank Spill
☐ Transportation Accident, Load Spill
☐ Industrial Facility ☐ Paper Mill ☐ Chemical Co.
☐ Ag Coop/Facility/Food Factory/Facility
☒ Gas/Service Station/Garage/Auto Dealer/Repair Shop
☐ Pipeline/Terminal/Tank Farm/Oil Jobber/Wholesaler
☐ Public Property (city, state, church, school, etc.)
☐ Utility Co. Power Generating/Transfer Facility
☐ Private Property (home/farm)
☐ Construction, Evacuation, Wrecking, Quarry, Mine
☐ Airport Facility ☐ Railroad Facility
☐ Other:

Action Taken by Spiller:
☐ No Action Taken
☐ No Action Needed
☐ Monitor
☒ Cleanup Method: pads, absorbent, excavation

☒ Waste Destination: WM Valley Trail LF; Superior Menominee Falls

☒ Containment
☒ Contractor Hired
Name: Delta Environmental Consultants Inc & Superior Special Services

☐ Other:

Injuries? ☐ Yes ☒ No If yes how many? | Has an evacuation occurred? ☐ Yes ☒ No Potential? ☐ Yes ☐ No

Are there any resource damages? ☐ Yes ☒ No ☐ Potential? What kinds?

Other agencies notified (check first column if notified) check both columns if on the scene

☒ ☒ Fire Department	☒ ☒ Local DNR	☐ ☐ EPA
☐ ☐ Local Law Enforcement	☐ ☐ Div. Emerg. Mgt.	☐ ☐ Nat'l Resp Ctr 800-442-8802
☐ ☐ LEPC or Local Emer. Mgt.	☐ ☐ Coast Guard	☐ ☐ Chemtrec 800-424-9300
☐ ☐ Level A/Level B Team	☐ ☐ DHFS 608-258-0099	☐ ☐ Other:

Incident Commander, if known:

Prepared by: RN Chronert	Phone: 920-492-5592	Date:	Rpt'd to DATCP? ☐Yes ☒No
Person Notified: Jim Savinski	Phone:	Date:	Time:
Investigated by:	Sign	Date	Incident Closed? ☒Yes ☐No Date: 8-13-01
Spill Coordinator Signoff:	Date: 8-13-01	Transferred to: ERP ☐ DATCP ☐ Date: no	NFA Letter Sent? ☐Yes ☒No Spill Packet Sent? ☐Yes ☒No

	Case # No.	To:

☒ Additonal Comments on Reverse

Chronert, Roxanne N.

From: Savinski, James L
Sent: Friday, July 13, 2001 11:33 AM
To: Chronert, Roxanne N.
Subject: RE: 5-10-01 O'Connor Oil Spill

Hi Rox,

I did not complete a spill form. I thought that was done by the duty officer on the spill hotline.

Let me know what else I need to do for this.

Jim

From: Chronert, Roxanne N.
Sent: Wednesday, July 11, 2001 1:08 PM
To: Savinski, James L
Subject: 5-10-01 O'Connor Oil Spill

Did you respond to a 5-10-01 O'Connor Oil Diesel Fuel Spill at 2905 Jackson Street, Oshkosh?

I cannot find a spill form. If you responded did you complete a spill form? Did you send it to me? SOMETIMES I misplace things on my desk! Yesterday I received the No Further Action report from Delta Environmental and I cannot find the spill form. Shortly after the incident I received a phone call from Scott Rademaker at Delta and he said "someone" from the DNR responded and he thought it was you. At least I can find the phone log.

Thanks Rox
Roxanne Nelezen Chronert
Spills Coordinator - Hydrogeologist
Wisconsin Department of Natural Resources
1125 N Military Avenue
PO Box 10448
Green Bay WI 54307-0448
Phone: 920-492-5592
Fax: 920-492-5859

Visit us on the web at www.dnr.state.wi.us/org/aw/rr

Delta Environmental Consultants, Inc.

17500 W. Liberty Lane
Suite A
New Berlin, WI 53146-2109
U.S.A.
262/789-0254
FAX: 262/789-5483

July 9, 2001

Ms. Roxanne Chronert
Wisconsin Department of Natural Resources
1125 N. Military Avenue
P.O. Box 10448
Green Bay, Wisconsin 54307

Re: **Spill Remedial Response**
O'Connor Oil, Diesel Dispenser
2905 Jackson Street
Oshkosh, Wisconsin
Delta Project No. I001-015

Dear Ms. Chronert:

On behalf of O'Connor Oil, Corporation (O'Connor Oil), Delta Environmental Consultants, Inc. (Delta) is submitting this *Spill Remedial Response* report to the Wisconsin Department of Natural Resources (WDNR) for the above referenced site. A limited investigation and soil excavation was conducted at the above referenced site in response to a diesel fuel spill associated with a fuel dispenser. Delta is requesting that the WDNR consider this response fulfilled as the majority of impacted soil associated with the spill has been removed and properly disposed of, and the limited residual impact does not pose a threat to human health or the environment.

This report contains the following attachments:

Table 1	Soil Analytical Results
Figure 1	Site Area Map
Figure 2	Site Map
Figure 3	Soil Chemical Concentration Map
Appendix A	Test America Analytical Report (Stockpiled Soil)
Appendix B	Test America Analytical Report (Residual Soil)
Appendix C	Soil and Drum Disposal Documentation

WI DNR
RECEIVED
JUL 10 2001
NER WASTE/RR

Site Background

The subject site is currently operating as an unmanned diesel fuel dispensing station, in Oshkosh, Wisconsin, SE ¼, of the SE ¼ of Section 2, Township 18 North, Range 16 East. The site is located in a predominantly industrial area. The site is bordered on the north by a tavern; on the east by Jackson St; on the south by railroad property and west by a vacant property. A site area map is presented as Figure 1 and a site map is presented as Figure 2.

Spill Summary

During the morning of May 10, 2001, Mr. Bob Wegele, Business Representative of O'Connor Oil, was notified of a release at the unmanned diesel fuel pumping station at 2905 Jackson Street, Oshkosh, Wisconsin. Mr. Wegele immediately visited the site. On arrival he observed diesel fuel on the asphalt drive and on the gravel along the drive. Mr. Wegele immediately informed the Oshkosh Fire Department and the Wisconsin Department of Natural Resources (WDNR) of the release. Delta Environmental Consultants, Inc. (Delta) personnel, Mr. Scott Rademaker, visited the site to observe site conditions and coordinate remedial activities.

The diesel fuel release extended south from the dispenser to the gravel along the south side of the asphalt drive. After reaching the gravel, the diesel fuel traveled 210 feet east along the gravel on the side of the drive to the storm sewer catch basin. A portion of the diesel fuel entered the catch basin and traveled in the storm sewer to the east side of Jackson Street where the storm sewer flowed into a drainage ditch.

The Oshkosh Fire Department Battalion Chief, Mr. Joe Frank, estimated the volume of the diesel fuel spill to be approximately 30 gallons, however the exact volume is unknown. The dispenser records indicated 80 gallons had been dispensed during the last usage. The volume of the diesel fuel properly dispensed into the desired container, the portion spilled and the cause remains. The diesel pump dispenser hose was placed in the proper position upon Mr. Wegele's arrival to the site and the pump appeared to be operating properly. It is suspected that the release occurred due to improper use of the diesel pump.

The Fire Department immediate response activities included putting sand on the asphalt drive and along the gravel area and placing petroleum absorbent pads in the storm sewer and drainage ditch as containment and recovery measures. After the sand had absorbed the diesel fuel, the sand was removed

with a City of Oshkosh vacuum truck and stock piled onsite. It is estimated that approximately 4 tons of sand was used for diesel fuel recovery. The saturated absorbent pads were placed in a 55-gallon drum and stored onsite. Soil from the stockpiled sand was sampled for landfill disposal purposes. Results of the stockpiled soil analytical data are presented in Table 1 and Appendix A.

Soil Excavation

Delta personnel returned the next day (May 11, 2001) to remove the diesel impacted gravel along the south side of the asphalt drive. Superior Special Services, Inc., of Fond du Lac, Wisconsin was contracted to use a skid-steer to scrape off the surface soils. Soil was screened with a photoionization detector (PID) for the presence of volatile organic vapors during soil removal activities. Soil was removed to a depth where the screened soil samples did not indicate concentrations above background levels. Gravel was removed to approximately 3 inches below ground surface (bgs) along the majority of the gravel area and to approximately 12 inches near the storm sewer catch basin. Approximately 6 tons of gravel is estimated to have been removed from the site. Clean gravel from the O'Connor property was used to replace the excavated soils.

Four soil samples were then collected at approximately 60-foot intervals including W-1, W-2, E-1, and E-2. A soil sample (SS-1) was also collected from the north side of the drainage ditch east of Jackson Street. Soil sample SS-1 was collected from 1 to 3 inches bgs from soil adjacent to the water in the drainage ditch. All soil samples indicated a PID level of 0.0 parts per million (ppm).

The soil samples were sent to Test America of Watertown, Wisconsin for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) and diesel range organics (DRO) parameters. Only one exceedence of the BTEX NR 720 Residual Contaminant Levels (RCLs) (0.034 mg/kg benzene) was observed at sample location W-1. W-1 was the western most sample taken nearest the origin of the spill at the dispenser. All other samples indicated BTEX concentrations below NR 720 RCLs. DRO concentrations ranged from 176 to 322 milligrams per kilogram (mg/kg) at all sample locations. The laboratory analytical report is attached in Appendix B and a summary of soil analytical results is presented in Table 1. Soil sample locations and analytical results are presented on Figure 3.

The sand used as an absorbent material and the excavated gravel stockpiled onsite was removed by Superior Services, of Fond Du Lac Wisconsin and taken to the Waste Management Valley Trail landfill in Berlin, Wisconsin for bioremediation. A total of 10.66 tons of impacted material was disposed of at the

facility. The 55-gallon drum containing the diesel absorbent pads was removed and disposed of by Superior Special Services and disposed of at their Menomonee Falls, Wisconsin facility. Documentation of the soil and drum disposal is presented in Appendix C.

Conclusion

The diesel spill volume is unknown, but estimated to be 30 gallons by the Oshkosh Fire Department Battalion Chief. The spill primarily extended east along the gravel area on the south side of the private drive and some diesel fuel ran into the storm sewer and extended to the east side of Jackson Street. Immediate response activities included using sand along the gravel area and absorbent pads in the storm sewer and drainage ditch to absorb and recover the diesel fuel. The impacted gravel was removed and disposed of at a landfill. Soil samples taken from the bottom of the excavation and from the drainage ditch indicate little to no residual impact associated with the diesel fuel spill. Upon completion of the documented spill remedial response, there is no existing or anticipated threat to public health, safety or welfare, or the environment. No further action is recommended at the subject site.

Thank you for your consideration of our request. Please return a copy of the completed spill form to our office upon your review of this document. If you have any questions or require additional information regarding this request for closure, please do not hesitate to contact myself at (262) 827-4800 or Jonathan Zimdars (Project Hydrogeologist) at (262) 827-4817.

Sincerely,

DELTA ENVIRONMENTAL CONSULTANTS, INC.

Scott Rademaker
Staff Hydrogeologist

C: Robert Wegele (O'Connor Oil)

Table 1
O'Connor Oil
2905 Jackson Street
Oshkosh, Wisconsin
Delta Project No. I001-015

5/10/01

		Analytical Parameters (Soil Removed)									
Boring	**PID** IUs	**Benzene** mg/kg	**Toluene** mg/kg	**Ethyl-benzene** mg/kg	**Xylenes** mg/kg	**1,3,5-TMB** mg/kg	**1,2,4 TMB** mg/kg	**MTBE** mg/kg	**GRO** mg/kg	**DRO** mg/kg	**Lead** mg/kg
NR 720 RCL		***0.0055***	***1.5***	***2.9***	***4.1***				***100***	***100***	***50***
NR 746 Table 1 Values		*8.5*	*38*	*4.6*	*42*	*11*	*83*				
Stockpile	NA	NA	NA	NA	NA	NA	NA	NA	NA	***5280***	NA

5/11/01

			Analytical Parameters (Residual Soil)									
Boring	**Sample Depth** inches	**PID** IUs	**Benzene** mg/kg	**Toluene** mg/kg	**Ethyl-benzene** mg/kg	**Xylenes** mg/kg	**1,3,5-TMB** mg/kg	**1,2,4 TMB** mg/kg	**MTBE** mg/kg	**GRO** mg/kg	**DRO** mg/kg	**Lead** mg/kg
NR 720 RCL			***0.0055***	***1.5***	***2.9***	***4.1***				***100***	***100***	***50***
NR 746 Table 1 Values			*8.5*	*38*	*4.6*	*42*	*11*	*83*				
W-1	3	0	**0.034**	0.042	0.047	0.154	NA	NA	NA	NA	**308**	NA
W-2	3	0	<0.027	<0.027	<0.027	<0.080	NA	NA	NA	NA	**320**	NA
E-1	3	0	<0.034	<0.034	<0.034	<0.100	NA	NA	NA	NA	**231**	NA
E-2	12	0	<0.031	0.033	<0.031	0.100	NA	NA	NA	NA	**176**	NA
SS-1	3	0	<0.029	<0.029	<0.029	<0.085	NA	NA	NA	NA	**322**	NA

NOTES:

< ..... = not detected at or above the indicated method detection limit
DRO ..... = diesel range organics
GRO ..... = gasoline range organics
IUs ..... = instrument units
mg/kg ..... = milligrams per kilogram (equivalent to parts per million)
MTBE ..... = methyl tertiary butyl ether
NA ..... = not analyzed for the indicated parameter
TMB ..... = trimethylbenzene
PID ..... = volatile organic vapor level as measured with a photoionization detector
NR 720 RCL ..... = Wisconsin Administrative Code Chapter NR 700 Non-Industrial Generic Residual Contaminant Level (Revision 2/97)
NR 746 Table 1 Values ..... = Revision 05/00 of Wisconsin Administrative Code Chapter NR 746 Soil Screening Levels
"bold type" ..... = the indicated concentration exceeds the NR 720 RCL
= the indicated concentration exceeds the NR 746 Table 1 Value (Soil Screening Level)

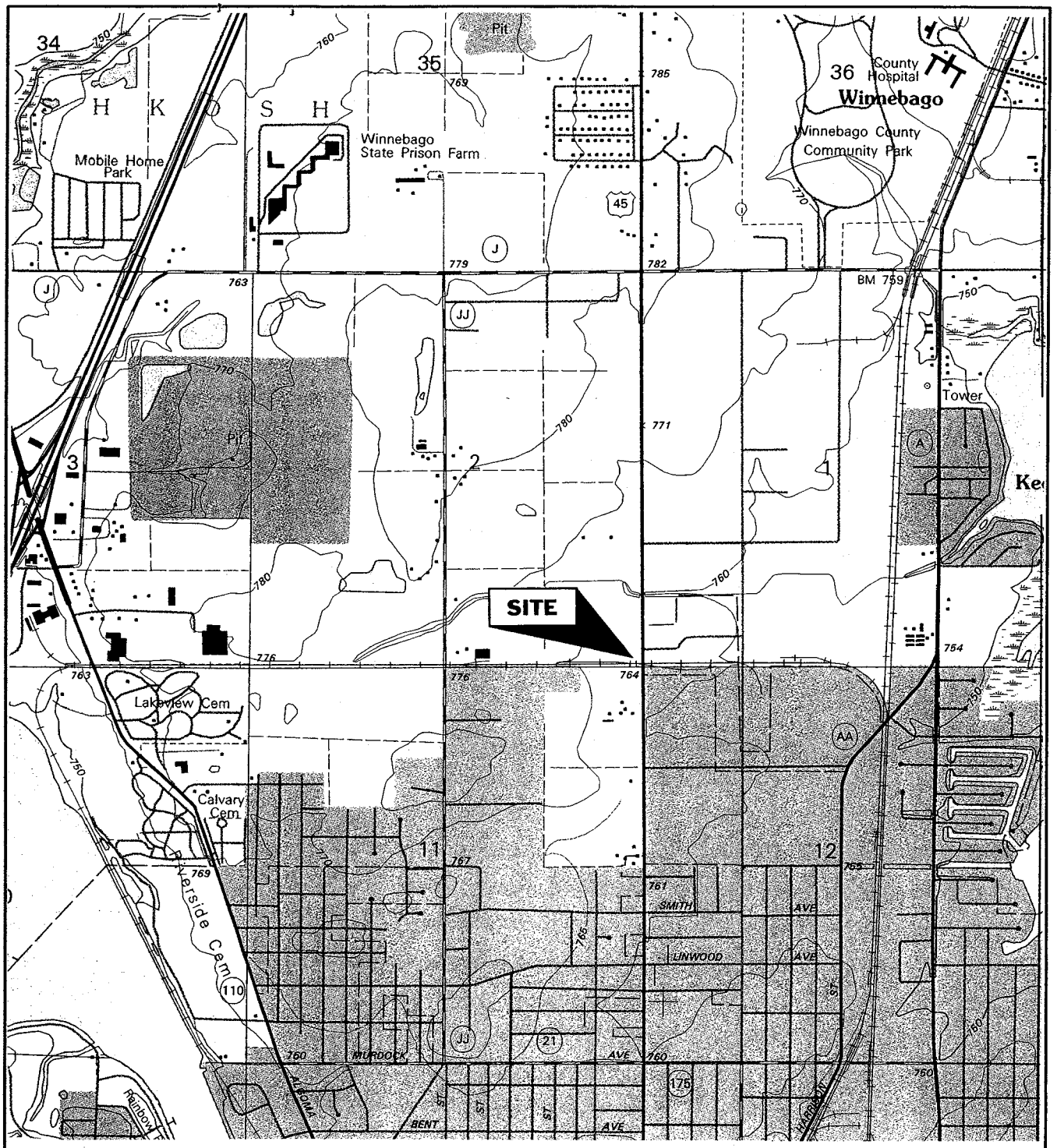

FIGURE 1
SITE AREA MAP
O'CONNOR OIL
2905 JACKSON STREET
OSHKOSH, WISCONSIN

PROJECT NO.	PREPARED BY	
1001-015	SR	Delta Environmental Consultants, Inc.
DATE	REVIEWED BY	
6/28/01	015-F1	

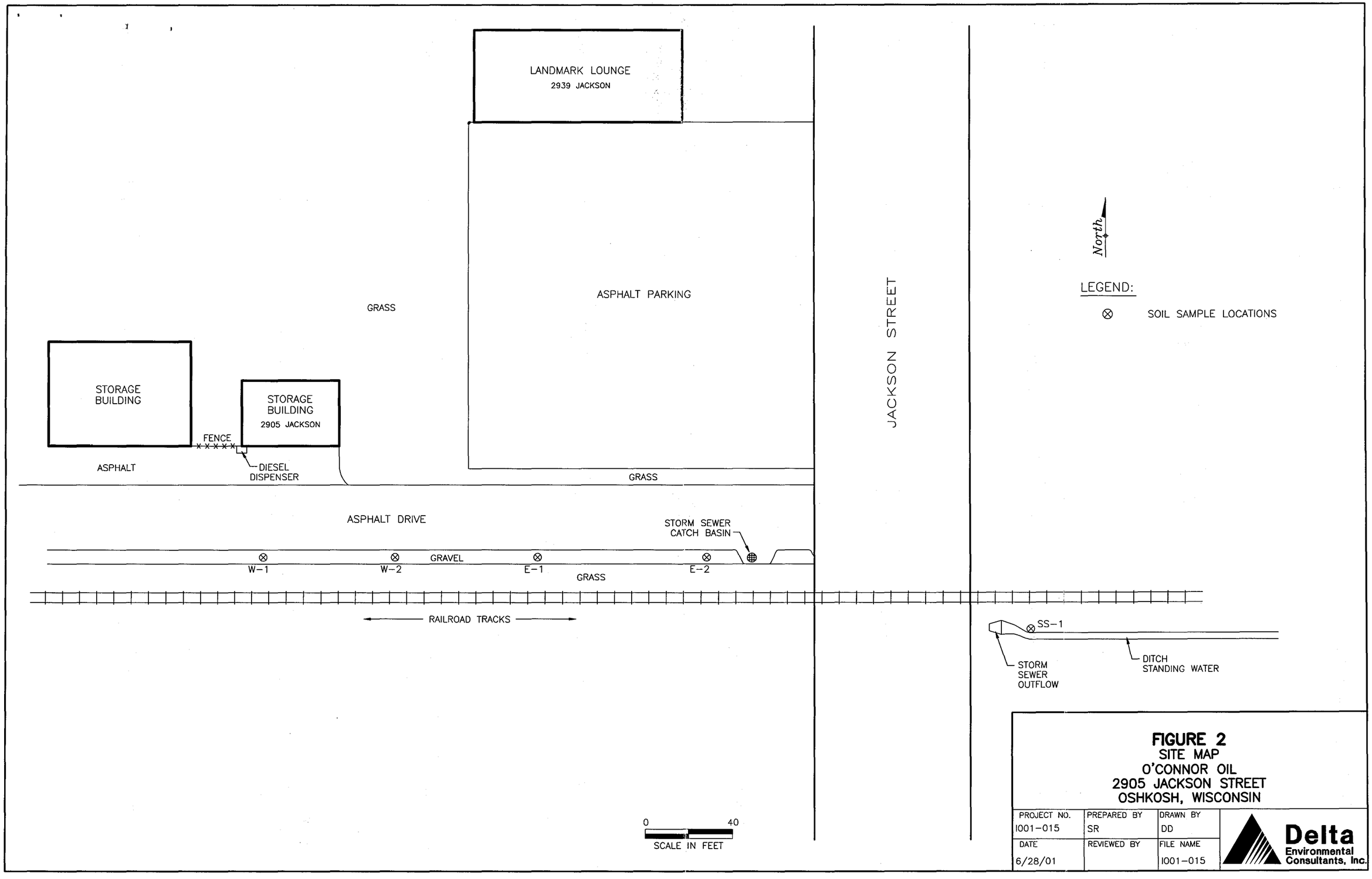

FIGURE 2
SITE MAP
O'CONNOR OIL
2905 JACKSON STREET
OSHKOSH, WISCONSIN

PROJECT NO.	PREPARED BY	DRAWN BY
1001-015	SR	DD
DATE	REVIEWED BY	FILE NAME
6/28/01		1001-015

Delta Environmental Consultants, Inc.

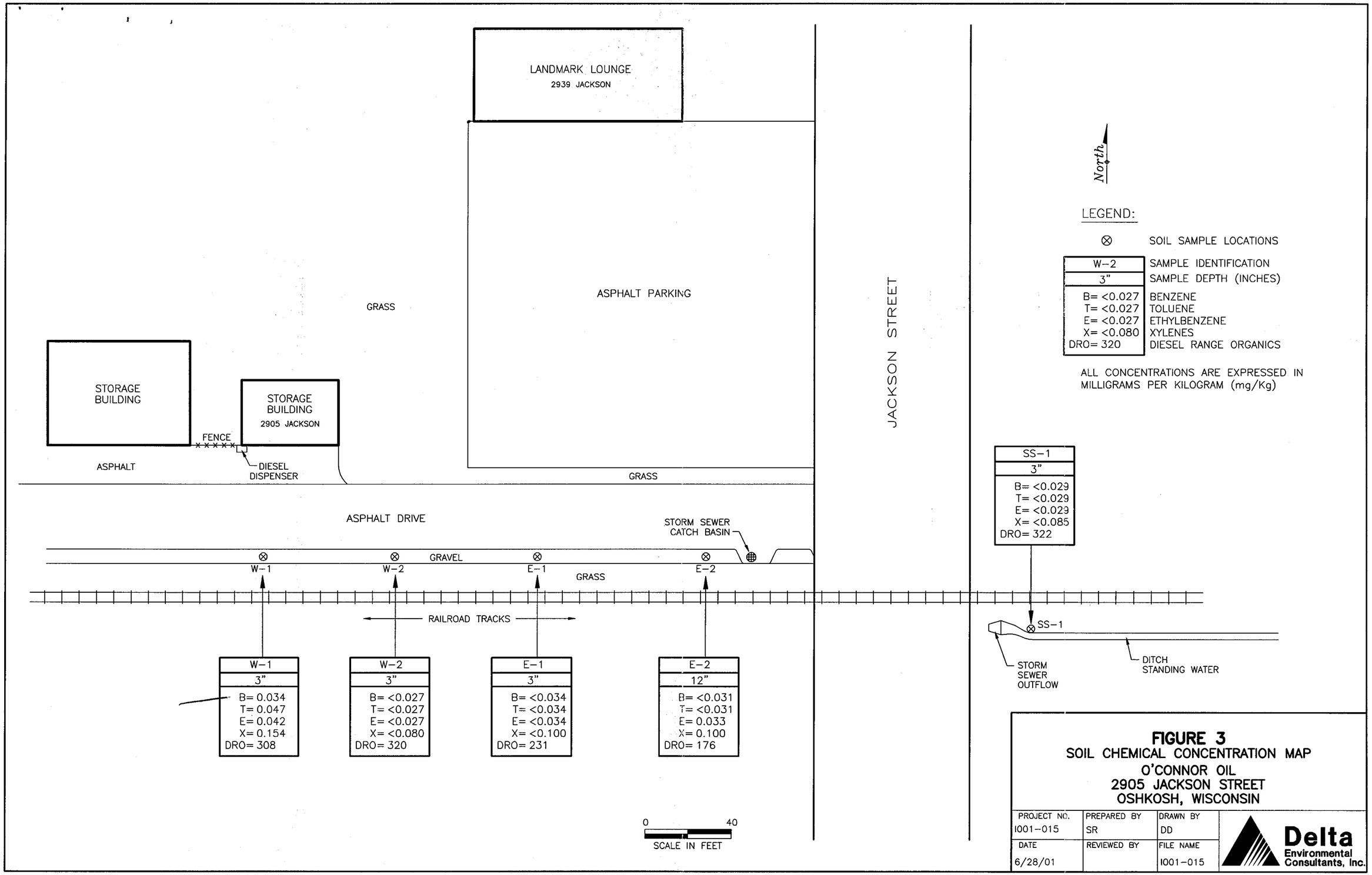

FIGURE 3
SOIL CHEMICAL CONCENTRATION MAP
O'CONNOR OIL
2905 JACKSON STREET
OSHKOSH, WISCONSIN

PROJECT NO.	PREPARED BY	DRAWN BY
1001-015	SR	DD
DATE	REVIEWED BY	FILE NAME
6/28/01		1001-015

Delta Environmental Consultants, Inc.

ENTERED
BY: J. Johnson
DATE: 6-22-01

TestAmerica
INCORPORATED

ANALYTICAL AND QUALITY CONTROL REPORT

MAY 30 2001
RECEIVED

Mr. Jonathan Zimdars
DELTA ENV. CONSULTANTS INC
17500 W. Liberty Lane
Suite A
New Berlin, WI 53146-2109

05/25/2001

Job No: 01.03283

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

Sample Number	Sample Description	Date Taken	Date Received
436548	Stockpile - O'Connor Oil	05/10/2001	05/11/2001
436549	W-End O'Connor Oil	05/10/2001	05/11/2001
436550	E-End O'Connor Oil	05/10/2001	05/11/2001

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
E = Extraction outside temperature limits
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
B = Blank is contaminated
D = Diluted for analysis
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

Brian D. DeJong
Brian D. DeJong
Organic Operations Manager

602 Commerce Drive / Watertown, WI 53094 / 920-261-1660 / Fax: 920-261-8120
WDNR No. 128053530

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mr. Jonathan Zimdars
DELTA ENV. CONSULTANTS INC
17500 W. Liberty Lane
Suite A
New Berlin, WI 53146-2109

05/25/2001
Job No: 01.03283
Sample No: 436548
Account No: 22700

JOB DESCRIPTION: O'Connor Oil
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: Stockpile - O'Connor Oil
Rec'd at 4 degrees C

Date/Time Taken: 05/10/2001 13:00 Date Received: 05/11/2001

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch	
Flash Point Nonaqueous	>200	F	n/a	SW 1010	05/17/2001		493
Paint Filter Test	ND	ml	n/a	SW 9095	05/17/2001		433
Solids, Total	90.9	%	n/a	SW 5030	05/15/2001		3687
TCLP ZHE VOLATILE PREP	COMPLETE			SW 1311	05/18/2001	389	
DRO Extraction	05/13/2001			WDNR	05/24/2001	1595	
DRO - NONAQUEOUS	5,280	mg/kg	5.0	WDNR	05/25/2001	1595	2744
TCLP-VOLATILES-8260							
TCLP-Benzene	<0.020	mg/L	0.020	SW 8260B	05/21/2001	389	705
Surr: Dibromofluoromethane	104.4	%	n/a	SW 8260B	05/21/2001	389	705
Surr: Toluene-d8	97.4	%	n/a	SW 8260B	05/21/2001	389	705
Surr: Bromofluorobenzene	98.0	%	n/a	SW 8260B	05/21/2001	389	705

TestAmerica
INCORPORATED

QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

05/25/2001

Mr. Jonathan Zimdars
DELTA ENV. CONSULTANTS INC
17500 W. Liberty Lane
Suite A
New Berlin, WI 53146-2109

Job No: 01.03283
Account No: 22700

Job Description: O'Connor Oil

Parameter	Run Batch	True Value	Observed Value	Percent Recovery	Control Limits	Analyst
Flash Point Nonaqueous	493	81	82	101.2	97.5 - 102	cmb
DRO - NONAQUEOUS	2744	1000	1020	102.0	80 - 120	asm
TCLP-VOLATILES-8260						
TCLP-Benzene	705	50.0	46.6	93.2		mae
Surr: Dibromofluoromethane	705	50.0	49.0	98.0		mae
Surr: Toluene-d8	705	50.0	50.2	100.4		mae
Surr: Bromofluorobenzene	705	50.0	49.8	99.6		mae

TestAmerica
INCORPORATED

QUALITY CONTROL REPORT
BLANKS

05/25/2001

Mr. Jonathan Zimdars
DELTA ENV. CONSULTANTS INC
17500 W. Liberty Lane
Suite A
New Berlin, WI 53146-2109

Job No: 01.03283
Account No: 22700

Job Description: O'Connor Oil

Parameter	Prep Batch	Run Batch	Blank Result	Reporting Limit	Units
DRO - NONAQUEOUS	1595	2742	<2.5	5.0	mg/kg
TCLP-VOLATILES-8260					
TCLP-Benzene	389	705	<0.020	0.020	mg/L
Surr: Dibromofluoromethane	389	705	101.0	n/a	%
Surr: Toluene-d8	389	705	96.8	n/a	%
Surr: Bromofluorobenzene	389	705	98.4	n/a	%

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

TestAmerica
INCORPORATED

QUALITY CONTROL REPORT
LABORATORY CONTROL STANDARD

05/25/2001

Mr. Jonathan Zimdars
DELTA ENV. CONSULTANTS INC
17500 W. Liberty Lane
Suite A
New Berlin, WI 53146-2109

Job No: 01.03283
Account No: 22700

Job Description: O'Connor Oil

Analyte	Prep Batch Number	Run Batch Number	LCS Amount	Units	LCS Result	LCSD Result	LCS Percent Recovery	LCSD Percent Recovery	Control Limits	Relative Percent Difference
DRO - NONAQUEOUS	1595	2742	1000	mg/kg	925	908	92.5	90.8	70 - 120	1.9

01.03283

TestAmerica INCORPORATED

602 Commerce Drive / Watertown, WI 53094
Phone: (920) 261-1660 / Fax: (920) 261-8120

CHAIN OF CUSTODY RECORD

COMPANY: Delta Environmental Consultants
ADDRESS: 17500 W. Liberty Ln Suite A
PHONE: 262 827 4800 FAX:
PROJECT DESCRIPTION/NO.: O'Connor O.I.
PROJECT MANAGER: Jonathan Zimders

REPORT TO: Jonathan Zimders
INVOICE TO: Delta
P.O. NO.:
QUOTE NO.:

SAMPLED BY: Scott Rudemaker
NAME
NAME

Fax Results?____ QC w/Results?____

Which regulations apply?
NPDES/Wastewater____ RCRA____ UST____
Drinking Water____ Other____ None____

DATE	TIME	SAMPLE ID/DESCRIPTION	FILTERED	MATRIX	GRAB	COMP	# and Type of Containers: HCl	NaOH	HNO_3	H_2SO_4	NONE	METHANOL	OTHER	ANALYSES: Free Liquid	Flash Point	Benzene TCLP	DRO	BETX						COMMENTS
5/10/01	1:00	Stockpile				X					4			X	X	X	X							
5/10/01	1200	W - End			X						2	1					X	X						Hold - Pending approval
5/10/01	12:15	E - End			X						2	1					X	X						Hold - Pending approval

LAB USE ONLY

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO — VOLATILES FREE OF HEADSPACE? YES / NO — BOTTLES SUPPLIED BY LAB? YES / NO — TEMPERATURE UPON RECEIPT: 4 °C

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RELINQUISHED BY:	DATE	TIME	RECEIVED FOR LAB BY:
	5/11/01	8:00	5-11-01		5/11/01	3:48	

METHOD OF SHIPMENT:
TestAmerica Courier
Client ____
Common Carrier ____

REMARKS:
Cancel "Hold" samples per Scott R 5/25/01 m

R 5/14/01

TestAmerica
INCORPORATED

ENTERED
BY: J. Moore
DATE: 6-22-01

ANALYTICAL AND QUALITY CONTROL REPORT

MAY 3 0 2001
RECEIVED

Mr. Jonathan Zimdars
DELTA ENV. CONSULTANTS INC
17500 W. Liberty Lane
Suite A
New Berlin, WI 53146-2109

05/25/2001

Job No: 01.03316

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

Sample Number	Sample Description	Date Taken	Date Received
436662	W-1 O'Connor	05/11/2001	05/14/2001
436663	W-2 O'Connor	05/11/2001	05/14/2001
436664	E-1 O'Connor	05/11/2001	05/14/2001
436665	E-2 O'Connor	05/11/2001	05/14/2001
436666	SS-1 O'Connor	05/11/2001	05/14/2001
436667	Methanol Blank O'Connor	05/11/2001	05/14/2001

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
E = Extraction outside temperature limits
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
B = Blank is contaminated
D = Diluted for analysis
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

Brian D. DeJong
Organic Operations Manager

TestAmerica
INCORPORATED

ANALYTICAL REPORT

Mr. Jonathan Zimdars
DELTA ENV. CONSULTANTS INC
17500 W. Liberty Lane
Suite A
New Berlin, WI 53146-2109

05/25/2001
Job No: 01.03316
Sample No: 436662
Account No: 22700

JOB DESCRIPTION: O'Connor - Oshkosh
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: W-1 O'Connor
Rec'd at 4 degrees C

Date/Time Taken: 05/11/2001 13:33 Date Received: 05/14/2001

Parameter		Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch	
Solids, Total		90.9	%	n/a	SW 5030	05/15/2001		3688
DRO Extraction		05/14/2001			WDNR	05/24/2001	1595	
PVOC - -NONAQUEOUS	H							
Benzene		34	ug/kg	25	SW 8020	05/18/2001		3016
Ethylbenzene		47	ug/kg	25	SW 8020	05/18/2001		3016
Toluene		42	ug/kg	25	SW 8020	05/18/2001		3016
Xylenes, Total		154	ug/kg	75	SW 8020	05/18/2001		3016
Surr: Bromofluorobenzene		98.0	%	80-	SW 8020	05/18/2001		3016
DRO - NONAQUEOUS	H	308	mg/kg	5.0	WDNR	05/25/2001	1595	2743

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INCORPORATED

ANALYTICAL REPORT

Mr. Jonathan Zimdars
DELTA ENV. CONSULTANTS INC
17500 W. Liberty Lane
Suite A
New Berlin, WI 53146-2109

05/25/2001
Job No: 01.03316
Sample No: 436663
Account No: 22700

JOB DESCRIPTION: O'Connor - Oshkosh
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: W-2 O'Connor
Rec'd at 4 degrees C

Date/Time Taken: 05/11/2001 13:45 Date Received: 05/14/2001

Parameter		Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch	
Solids, Total		93.8	%	n/a	SW 5030	05/15/2001		3688
DRO Extraction		05/14/2001			WDNR	05/24/2001	1595	
PVOC - NONAQUEOUS	H							
Benzene		<27	ug/kg	25	SW 8020	05/18/2001		3016
Ethylbenzene		<27	ug/kg	25	SW 8020	05/18/2001		3016
Toluene		<27	ug/kg	25	SW 8020	05/18/2001		3016
Xylenes, Total		<80	ug/kg	75	SW 8020	05/18/2001		3016
Surr: Bromofluorobenzene		100.0	%	80-	SW 8020	05/18/2001		3016
DRO - NONAQUEOUS	H	320	mg/kg	5.0	WDNR	05/25/2001	1595	2744

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ANALYTICAL REPORT

Mr. Jonathan Zimdars
DELTA ENV. CONSULTANTS INC
17500 W. Liberty Lane
Suite A
New Berlin, WI 53146-2109

05/25/2001
Job No: 01.03316
Sample No: 436664
Account No: 22700

JOB DESCRIPTION: O'Connor - Oshkosh
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: E-1 O'Connor
Rec'd at 4 degrees C

Date/Time Taken: 05/11/2001 14:15 Date Received: 05/14/2001

Parameter		Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch	
Solids, Total		95.2	%	n/a	SW 5030	05/15/2001		3688
DRO Extraction		05/14/2001			WDNR	05/24/2001	1595	
PVOC - NONAQUEOUS	H							
Benzene		<34	ug/kg	25	SW 8020	05/18/2001		3016
Ethylbenzene		<34	ug/kg	25	SW 8020	05/18/2001		3016
Toluene		<34	ug/kg	25	SW 8020	05/18/2001		3016
Xylenes, Total		<100	ug/kg	75	SW 8020	05/18/2001		3016
Surr: Bromofluorobenzene		99.5	%	80-	SW 8020	05/18/2001		3016
DRO - NONAQUEOUS	H	231	mg/kg	5.0	WDNR	05/25/2001	1595	2744

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INCORPORATED

ANALYTICAL REPORT

Mr. Jonathan Zimdars
DELTA ENV. CONSULTANTS INC
17500 W. Liberty Lane
Suite A
New Berlin, WI 53146-2109

05/25/2001
Job No: 01.03316
Sample No: 436665
Account No: 22700

JOB DESCRIPTION: O'Connor - Oshkosh
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: E-2 O'Connor
Rec'd at 4 degrees C

Date/Time Taken: 05/11/2001 14:30 Date Received: 05/14/2001

Parameter		Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch	
Solids, Total		90.9	%	n/a	SW 5030	05/15/2001		3688
DRO Extraction		05/14/2001			WDNR	05/24/2001	1595	
PVOC - NONAQUEOUS	H							
Benzene		<31	ug/kg	25	SW 8020	05/18/2001		3016
Ethylbenzene		<31	ug/kg	25	SW 8020	05/18/2001		3016
Toluene		33	ug/kg	25	SW 8020	05/18/2001		3016
Xylenes, Total		100	ug/kg	75	SW 8020	05/18/2001		3016
Surr: Bromofluorobenzene		97.0	%	80-	SW 8020	05/18/2001		3016
DRO - NONAQUEOUS	H	176	mg/kg	5.0	WDNR	05/25/2001	1595	2743

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ANALYTICAL REPORT

Mr. Jonathan Zimdars
DELTA ENV. CONSULTANTS INC
17500 W. Liberty Lane
Suite A
New Berlin, WI 53146-2109

05/25/2001
Job No: 01.03316
Sample No: 436666
Account No: 22700

JOB DESCRIPTION: O'Connor - Oshkosh
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: SS-1 O'Connor
Rec'd at 4 degrees C

Date/Time Taken: 05/11/2001 15:15 Date Received: 05/14/2001

Parameter		Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch	
Solids, Total		96.3	%	n/a	SW 5030	05/15/2001		3688
DRO Extraction		05/14/2001			WDNR	05/24/2001	1595	
PVOC - NONAQUEOUS	H							
Benzene		<29	ug/kg	25	SW 8020	05/18/2001		3016
Ethylbenzene		<29	ug/kg	25	SW 8020	05/18/2001		3016
Toluene		<29	ug/kg	25	SW 8020	05/18/2001		3016
Xylenes, Total		<85	ug/kg	75	SW 8020	05/18/2001		3016
Surr: Bromofluorobenzene		98.5	%	80-	SW 8020	05/18/2001		3016
DRO - NONAQUEOUS	H	322	mg/kg	5.0	WDNR	05/25/2001	1595	2744

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ANALYTICAL REPORT

Mr. Jonathan Zimdars
DELTA ENV. CONSULTANTS INC
17500 W. Liberty Lane
Suite A
New Berlin, WI 53146-2109

05/25/2001
Job No: 01.03316
Sample No: 436667
Account No: 22700

JOB DESCRIPTION: O'Connor - Oshkosh
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: Methanol Blank O'Connor
Rec'd at 4 degrees C

Date/Time Taken: 05/11/2001 UNKNOWN Date Received: 05/14/2001

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
PVOC - NONAQUEOUS						
Benzene	<25	ug/kg	25	SW 8020	05/18/2001	3016
Ethylbenzene	<25	ug/kg	25	SW 8020	05/18/2001	3016
Toluene	<25	ug/kg	25	SW 8020	05/18/2001	3016
Xylenes, Total	<75	ug/kg	75	SW 8020	05/18/2001	3016
Surr: Bromofluorobenzene	102.0	%	80-	SW 8020	05/18/2001	3016

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QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

05/25/2001

Mr. Jonathan Zimdars
DELTA ENV. CONSULTANTS INC
17500 W. Liberty Lane
Suite A
New Berlin, WI 53146-2109

Job No: 01.03316
Account No: 22700

Job Description: O'Connor - Oshkosh

Parameter	Run Batch	True Value	Observed Value	Percent Recovery	Control Limits	Analyst
PVOC - NONAQUEOUS						
Benzene	3016	2,000	2,100	105.0	85 - 115	aba
Ethylbenzene	3016	2,000	2,120	106.0	85 - 115	aba
Toluene	3016	2,000	2,110	105.5	85 - 115	aba
Xylenes, Total	3016	6,000	6,390	106.5	85 - 115	aba
Surr: Bromofluorobenzene	3016	20.0	20.3	101.5	80 -	aba
DRO - NONAQUEOUS	2743	1000	923	92.3	80 - 120	asm
DRO - NONAQUEOUS	2744	1000	1020	102.0	80 - 120	asm

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QUALITY CONTROL REPORT
BLANKS

05/25/2001

Mr. Jonathan Zimdars
DELTA ENV. CONSULTANTS INC
17500 W. Liberty Lane
Suite A
New Berlin, WI 53146-2109

Job No: 01.03316
Account No: 22700

Job Description: O'Connor - Oshkosh

Parameter	Prep Batch	Run Batch	Blank Result	Reporting Limit	Units
PVOC - NONAQUEOUS					
Benzene		3016	<25	25	ug/kg
Ethylbenzene		3016	<25	25	ug/kg
Toluene		3016	<25	25	ug/kg
Xylenes, Total		3016	<75	75	ug/kg
Surr: Bromofluorobenzene		3016	101.0	80-	%
DRO - NONAQUEOUS	1595	2742	<2.5	5.0	mg/kg

Method blank results exceed control limits when results are higher than the highest of any of the following: 1 - The limit of detection; 2 - Five percent of the regulatory limit for that analyte; 3 - Five percent of the measured concentration in the sample. NR149.14 (3)d

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QUALITY CONTROL REPORT
LABORATORY CONTROL STANDARD

05/25/2001

Mr. Jonathan Zimdars
DELTA ENV. CONSULTANTS INC
17500 W. Liberty Lane
Suite A
New Berlin, WI 53146-2109

Job No: 01.03316
Account No: 22700

Job Description: O'Connor - Oshkosh

Analyte	Prep Batch Number	Run Batch Number	LCS Amount	Units	LCS Result	LCSD Result	LCS Percent Recovery	LCSD Percent Recovery	Control Limits	Relative Percent Difference
PVOC - NONAQUEOUS										
Benzene		3016	5000	ug/kg	5,190	5200	103.8	104.0	80 - 120	0.2
Ethylbenzene		3016	5000	ug/kg	5,190	5200	103.8	104.0	80 - 120	0.2
Toluene		3016	5000	ug/kg	5,180	5180	103.6	103.6	80 - 120	0.0
Xylenes, Total		3016	15000	ug/kg	15,500	15500	103.3	103.3	80 - 120	0.0
Surr: Bromofluorobenzene		3016	20.0	ug/L	19.9	19.9	99.5	99.5	80 -	0.0
DRO - NONAQUEOUS	1595	2742	1000	mg/kg	925	908	92.5	90.8	70 - 120	1.9

Chain of Custody Record

TESTAMERICA INC.

01.03316

☐ Asheville, NC (A) (828) 254-5169 ☐ Bartlett, IL (C) (630) 289-3100 ☐ Cedar Falls, IA (E) (319) 277-2401 ☐ Charlotte, NC (G) (704) 392-1164 ☐ Dayton, OH (I) (937) 294-6856 ☐ Lumberton, NC (K) (910) 738-6190 ☐ Nashville, TN (M) (615) 726-0177 ☐ Pontiac, MI (O) (248) 332-1940 ☐ Rockford. Il (Q) (815) 874-2171
☐ Atlanta, GA (B) (770) 368-0636 ☐ Brighton, CO (D) (303) 659-0497 ☐ Charleston, SC (F) (843) 849-6550 ☐ Columbia, SC (H) (803) 796-8989 ☐ Davenport. IA (J) (319) 323-7944 ☐ Indianapolis, IN (L) (317) 842-4261 ☐ Macon, GA (N) (912) 757-0811 ☐ Orlando, FL (P) (407) 851-2560 ☒ Watertown, WI (R) (920) 261-1660

Client: Delta Environmental Corp.
Report Address: 14600 W. Lisbon Ln Suite A, New Berlin
Attn: Jonathan Zimdars
Phone No.: 262 827-4800
Fax No.: 262 785-5483

Project No.: O'Connor-Oshkosh
Invoice Address: Delta
Attn: Jonathan Zimdars
Sampled By: Scott Rudemaker
P.O. No:
Quote No.
State Samples Collected WI

TURNAROUND TIME
☒ Standard
☐ Rush (surcharges may apply) Date Needed:

REQUESTED PARAMETERS

Is this work being conducted for regulatory compliance monitoring? Yes___ No___

Is this work being conducted for regulatory enforcement action? Yes___ No___

Which regulations apply:
RCRA____ NPDES Wastewater____
UST____ Drinking Water____
Other___ None____

Sample ID	Date	Time	Comp (C) Grab (G)	Matrix	Lab Use	DRO	BTEX								# and type of containers: HCl	NaOH	HNO_3	H_2SO_4	Other	None	REMARKS
W-1	5/11/01	1:30	G	S		X	X												1	2	
W-2	↓	1:45	↓	↓		X	X												1	2	
E-1		2:15				X	X												1	2	
E-2		2:30				X	X												1	2	
SS-1	↓	3:15	↓	↓		X	X												1	2	
Methanol Blank							X												1		

QC Deliverables: ☐ None ☐ Level 2 - Batch QC ☐ Level 3 ☐ Level 4 ☐ Other

Init Lab Temp | Rec Lab Temp

COMMENTS:

Relinquished By:	Date 5/11/01 Time 800	Received By:	Date 5-14 Time 830	LAB USE ONLY: 4°C	
Relinquished By:	Date 5/14 Time 1300	Received By:	Date 5/14 Time 1430		
Relinquished By:	Date Time	Received By:	Date Time	Custody Seal: ☐Yes ☐No ☐N/A	
Relinquished By:	Date Time	Received By:	Date 12 5/15/01 Time	Bottles Supplied by TA: ☐Yes ☐No	

Date Range: 06/20/2001 - 06/23/2001

WASTE MANAGEMENT OF WISCONSIN
Detail Ticket Listing

25-Jun-01
1:57 PM

Cust #: 0000395 Customer Name: O'CONNOR OIL

Day	Ticket	Truck #	Profile	Manifest	Generator	Comments	Comm Code	Yards/ Units	Tons	Total Fees
6/23/20	684045	21	BIO485275		O'CONNOR OIL	FOUST			10.66	$261.17
							680	0.00		
							Totals:	0.00	10.66	$261.17

To: Scott

AETS
ADVANCED ENVIRONMENTAL TECHNICAL SERVICES

CGDW

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

SPECIAL WASTE MANIFEST TICKET

1. Generator's US EPA ID No. WICES99 Manifest Document No. 294295

2. Page 1 of 1

3. Generator's Name and Mailing Address
O'CONNOR OIL
ROUTE 1 PO BOX 968
FOND DU LAC WI 54936
SITE: O'CONNOR OIL 2905 JACKSON ST, OSHKOSH, WI 54901

4. Generator's Phone (920)-921-8020

A. Manifest Document Number Y 0024295

B. State Generator's ID

5. Transporter 1 Company Name: ONYX ENVIRONMENTAL SVCS L.L.C.

6. US EPA ID Number: WID080631369

C. State Trans. ID 16139

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone (973) 347-7111

E. State Trans. ID

9. Designated Facility Name and Site Address
ONYX ENVIRONMENTAL SERVICES
W124 N9451 BOUNDARY
MENOMONEE FALLS WI 53051

10. US EPA ID Number: WID003967148

F. Transporter's Phone ( )

G. State Facility's ID 03002

H. Facility's Phone (262) 255-6555

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	L Waste No.
a. NON-REGULATED MATERIAL, NON-RCRA, NON-DOT. (DIESEL SPILL ABSORBANTS) DOT NON-REGULATED, NONE	001	DM	00055	G	NONE
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
A) WIP 354401 CWDORCABSORB, Sample Code FI
Invoice to Delta Environmental, Cust # 473310

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Primary Emergency Response Number (800)535-5053

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Printed/Typed Name: X Dick Petersen Owner
Signature: X Dick Petersen
Month Day Year: 06 22 01

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Charles N Reed
Signature:
Month Day Year: 06 20 01

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in item 19.
Printed/Typed Name: TRUDY WARNKE
Signature: Trudy Warnke
Month Day Year: 06 27 01

2-TRANSPORTER 1 COPY

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES