PLEASE PRINT

State of Wisconsin Substance Release Notification Form

04-16-202351

24-Hour Emergency Hotline Number: 1-800-943-0003 Form 4400-91 Rev. 11-9

Date and Mil. Time of Incident 8.28.98 1300	Date and Mil. Time Reported 8.28.98 1603

Person Reporting Dale Burgess	Telephone # (715) 394 1410
Representing Agency, Firm, or Citizen Lake Head Pipeline	
Responsible Party Lake Head Pipeline	
Contact Name Dale Burgess	Telephone # (715) 394-1410
Address P.O. Box 1326 119 N. 25th St East	City, State, Zip Code Superior WI 54880

Substance Involved	Amount & Units Released	Amt. Recovered	Is this a 304 (11004 42 USC) spill?
Crude Oil	40 Barrels		☐ Yes ☐ No ☐ Unknown

☐ Solid ☐ Semisolid ☑ Liquid ☐ Gas Color _____ Odor _____

Exact Location (inc. address, facility name, mileage, bldg. #, etc.) 2800 East 21st Street Superior Terminal Superior WI 54880

City Superior	County Douglas	Lat/long
DNR Region	___¼___¼sec___T___N___(E/W)	Weather Cond.

Cause of Incident Connection on hose being used for cleaning a tank released spraying oil into tank lot.

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: _____

Spill Source:
- ☐ Transportation Accident, Fuel Supply 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, Excavation, Wrecking, Quarry, Mine
- ☐ Airport Facility ☐ Railroad Facility
- ☐ Other _____

Action Taken By Spiller
- ☐ No Action Taken
- ☐ No Action Needed
- ☐ Monitor
- ☑ Cleanup Method: area isolated
- ☐ Waste Destination: collecting contam
- ☐ Containment
- ☐ Contractor Hired
  Name: _____
- ☐ 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 (✓ first column if notified); Check (✓) both columns if on scene

☐	☐	Fire Department/Hazmat	☐	☐	Local DNR
☐	☐	Local Law Enforcement	☐	☐	Div. Emer. Gov.
☐	☐	LEPC or Local Emer. Gov.	☐	☐	DATCP 608-224-4500
☐	☐	Regional Response Team	☐	☐	DHSS 608-266-2830
☐	☐	EPA			
☐	☐	Nat'l Resp. Ctr. 800-442-8802			
☐	☐	Chemtrec 800-424-9300			
☐	☐	Other _____			

Incident Commander, if known: _____
Phone: _____

Prepared By: (Print) Lisa Meyer (Sign) Date: 8.28.98 Rec'd to DATCP? ☐Yes ☐No

Person Notified: Region Notified: Time: Date:

Invstgtd By: (Print) (Sign) Date: Site Closed? ☐Yes ☑No

Spill Coordinator Signoff: Date: 10-22-98 Transferred to ERP? ☐No ☐Yes; Case # _____ NFA Letter Sent? ☐Yes ☑No Spill Packet Sent? ☐Yes ☑No

☐ Additional Comments on Reverse

Hosch left message on 10/22/98 for Burgess requesting immediate actions report.

Lakehead Pipe Line Company

Dale W. Burgess Superior District Manager

119 N. 25th Street East
P.O. Box 1326
Superior, Wisconsin 55880-1326
Telephone: (715) 394-1410
Fax: [715] 394=1405

November 2, 1998

Mr. James Hosch
Wisconsin Department of Natural Resources
1705 Tower Avenue
Superior, WI 54880

Re: August 28, 1998 Crude Oil Release at Superior Terminal - Tank 22

Dear Mr. Hosch:

This letter serves to document the immediate actions taken by Lakehead Pipe Line related to a crude oil release and clean up which happened at Lakehead's Superior Terminal in August 1998. After the soil pile has been sampled, and disposal options evaluated, Lakehead Pipe Line will submit a Final Report, which will include documentation of these activities.

Incident:

For maintenance reasons the inside of Lakehead's crude oil Tank 22 was being cleaned. The sediment material cleaned from the tank was being diluted with crude oil and re-injected into the piping system. The temporary crude oil supply hose ruptured and released approximately 40 barrels of crude oil into the clay lined, tank containment area before a valve was safely closed. This occurred at approximately 12:40 PM on August 28,1998. The WDNR was notified of this release by phone on August 28th.

Clean-up:

The oil released (estimated to be 40 barrels or 1680 gallons) was contained within the clay, tank dike of Tank 22.

Within 30 minutes a vacuum truck was on site collecting oil. Gas detector readings taken throughout the clean up verified that hydrocarbon vapor levels never became a worker safety or health issue so clean up commenced immediately. A recent rain made the clay moist with a small amount of ponding water in the lowest areas. Two vacuum trucks collected an estimated 39 barrels of the free product along with ponded water. Tire ruts and other depressions were vacuumed to collect as much crude oil as possible. This material was re-injected into the Lakehead piping system.

Excavation equipment was brought in to scrape the surface to collect the remaining product on the clay surface. Approximately 40% of the impacted area was scraped by 6:00 PM August 28, 1998 when clean-up efforts were halted for the day. The remaining area was subsequently scraped clean also.

Due to the obvious black color of crude oil in this incident, only visual observation was used to determine that areas were scraped satisfactorily. Even so, over excavating could not be avoided in all cases, resulting in a somewhat larger soil volume. The visually impacted soil generated in the scraping process totaled an estimated 80 cubic yards and was stockpiled on plastic, inside the tank dike. No migration beyond the immediate release area was found to have occurred after a thorough shovel testing survey was done. There was no danger to the public and no impact to sensitive environmental areas.

Results and Disposal:

Analytical sampling and testing of the contaminated soil pile, and then proper disposal, remains to be completed at this time. Following these activities, a final report will be submitted to the WDNR.

Please call if you have any comments or questions.

Sincerely,

Shane K. Henrikson for DWB

Dale W. Burgess

c: Environmental Dept.– Duluth Office

PHONE CONVERSATION RECORD

DATE: 1/12/99
TIME: 1:30

CONVERSED WITH: voice-mail - Dale Burgess

SUBJECT/PROJECT: Lakehead pipeline
40 barrel spill

UNIQUE ID#.: 04-16-202351

Left Message - Stated that we still needed final report w/ testing results & disposal receipts. That could either be sent to Jim Hasch or to me.

Signature: Pamela Schneider
(please write legibly)

Lakehead Pipe Line Company

Dale W. Burgess Superior District Manager

119 N. 25th Street East
P.O. Box 1326
Superior, Wisconsin 55880-1326
Telephone: (715) 394-1410
Fax: (715) 394=1405

RECEIVED

SUPERIOR

January 14, 1999

Mr. James Hosch
Wisconsin Department of Natural Resources
1705 Tower Avenue
Superior, WI 54880

Re: August 28, 1998 Crude Oil Release at Superior Terminal – Tank 22

Dear Mr. Hosch,

As requested by Paula Schneider of your Rhinelander office, we are forwarding the analytical results from the sampling of the contaminated soil pile.

The frozen spoil is being stored within the tank dike and will be properly disposed of once it thaws. DNR form 4400-120 and the request for landfill approval will be completed well in advance of disposal.

Following disposal, a final report will be submitted to your office.

Please call if you have any questions.

Sincerely,

Dale W. Burgess

Enclosure

C: Dana Slade

Superior, WI 54880
715-392-5844 • Fax: 715-392-5843
1-800-837-8238

ENCHEM INC.

Green Bay, WI 54302
920-469-2436 • Fax: 920-469-8827
1-800-7-ENCHEM

- Analytical Report -

Project Name :

Project Number : 49/16-020MTH020

Field ID : STOCKPILE-1

Lab Sample Number : 780609-003

WI DNR LAB ID : 816079330

Client : BARR ENGINEERING COMPANY

Report Date : 12/14/98

Collection Date : 11/19/98

Matrix Type : SOIL

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method	Analyst
Solids, percent	75.0				%		11/24/98	SM2540G	SM2540G	GAJ

Organic Results

Preservation Date : 11/23/98

DIESEL RANGE ORGANICS - SOIL — Prep Method: WI Mod DRO — Prep Date: 11/23/98 — Analyst: DJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
DRO blank	< 4.0			4.0	mg/kg		11/25/98	WI Mod DRO
DIESEL RANGE ORGANICS	310			10	mg/kg		11/25/98	WI Mod DRO
Blank spike duplicate	103				%Recov		11/25/98	WI Mod DRO
Blank spike	92				%Recov		11/25/98	WI Mod DRO

Organic Results

PVOC - METHANOL PRESERVED SOIL — Prep Method: SW846 5030 — Prep Date: 11/23/98 — Analyst: DJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
a,a,a-Trifluorotoluene	106				%Recov		11/27/98	SW846 8020
Benzene	< 25	25	60		ug/kg		11/27/98	SW846 8020
Ethylbenzene	< 25	25	60		ug/kg		11/27/98	SW846 8020
Methyl-tert-butyl-ether	< 25	25	60		ug/kg		11/27/98	SW846 8020
1,2,4-Trimethylbenzene	280	33	79		ug/kg		11/27/98	SW846 8020
1,3,5-Trimethylbenzene	130	33	79		ug/kg		11/27/98	SW846 8020
Toluene	< 25	25	60		ug/kg		11/27/98	SW846 8020
Xylenes, -m, -p	44	33	79		ug/kg	Q	11/27/98	SW846 8020
Xylene, -o	< 25	25	60		ug/kg		11/27/98	SW846 8020

All soil results are reported on a dry weight basis unless otherwise noted.

1423 N. 8th Street, Suite 122
Superior, WI 54880
715-392-5844 • Fax: 715-392-5843
1-800-837-8238

EN CHEM INC.

1795 Industrial Drive
Green Bay, WI 54302
920-469-2436 • Fax: 920-469-8827
1-800-7-ENCHEM

- Analytical Report -

Project Name :

Project Number : 49/16-020MTH020

Field ID : STOCKPILE-2

Lab Sample Number : 780609-004

WI DNR LAB ID : 816079330

Client : BARR ENGINEERING COMPANY

Report Date : 12/14/98

Collection Date : 11/19/98

Matrix Type : SOIL

Inorganic Results

Test	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method	Analyst
Solids, percent	76.3				%		11/24/98	SM2540G	SM2540G	GAJ

Organic Results

Preservation Date : 11/23/98

DIESEL RANGE ORGANICS - SOIL **Prep Method:** WI Mod DRO **Prep Date:** 11/23/98 **Analyst:** DJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
DRO blank	< 4.0			4.0	mg/kg		11/25/98	WI Mod DRO
DIESEL RANGE ORGANICS	690			26	mg/kg		11/25/98	WI Mod DRO
Blank spike duplicate	103				%Recov		11/25/98	WI Mod DRO
Blank spike	92				%Recov		11/25/98	WI Mod DRO

Organic Results

PVOC - METHANOL PRESERVED SOIL **Prep Method:** SW846 5030 **Prep Date:** 11/23/98 **Analyst:** DJB

Analyte	Result	LOD	LOQ	EQL	Units	Code	Analysis Date	Analysis Method
a,a,a-Trifluorotoluene	103				%Recov		11/27/98	SW846 8020
Benzene	< 25	25	60		ug/kg		11/27/98	SW846 8020
Ethylbenzene	< 25	25	60		ug/kg		11/27/98	SW846 8020
Methyl-tert-butyl-ether	< 25	25	60		ug/kg		11/27/98	SW846 8020
1,2,4-Trimethylbenzene	310	33	79		ug/kg		11/27/98	SW846 8020
1,3,5-Trimethylbenzene	140	33	79		ug/kg		11/27/98	SW846 8020
Toluene	< 25	25	60		ug/kg		11/27/98	SW846 8020
Xylenes, -m, -p	46	33	79		ug/kg	Q	11/27/98	SW846 8020
Xylene, -o	< 25	25	60		ug/kg		11/27/98	SW846 8020

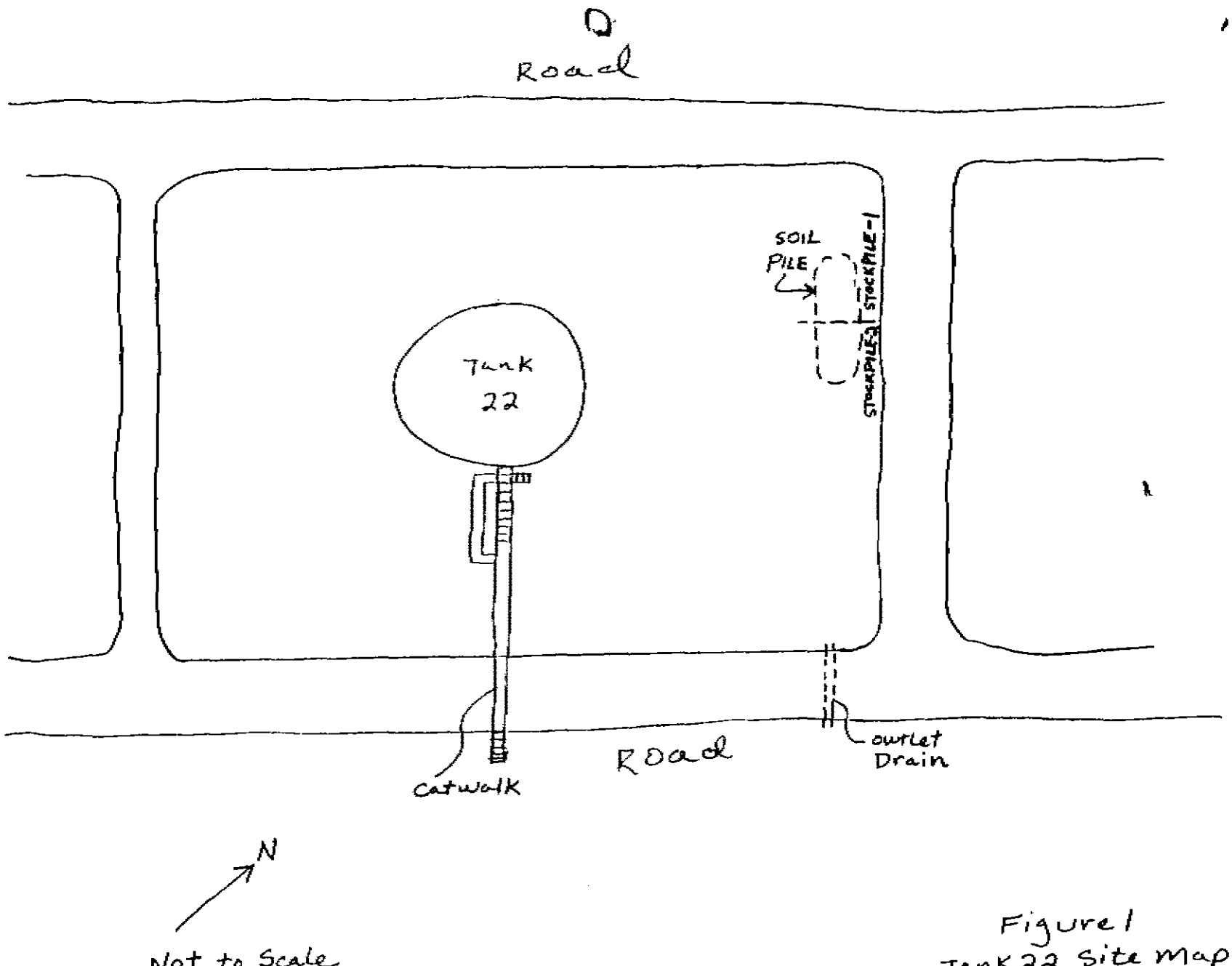

Figure 1
Tank 22 Site Map

NAME
DATE
SHEET
PAGE
IN SET
IN FILE

CHECKED BY
DATE

BARR ENGINEERING CO.

PHONE CONVERSATION RECORD

DATE: ~~[illegible]~~ 1-22-99
TIME: 9:00 am

CONVERSED WITH: Lance Olson
Lakehead

SUBJECT/PROJECT: Lakehead Pipeline

UNIQUE ID#.:

Hauck spoke w/ Olson regarding sampling parameters. Olson stated EI sampling would be collected for PVOCs, DRO, GRO and PAHs to consider soil excavation above

Signature: [illegible]
(please write legibly)

PHONE CONVERSATION RECORD

DATE: 16 Feb 99
TIME:

CONVERSED WITH: Dana Slade

SUBJECT/PROJECT: Lakehead ~~Murphy Oil~~ Tank #22

UNIQUE ID#.: 04-16-202351

Will call Jim Hosch about site specific cleanup for whole area.

Shane Hendrickson
- soil piles frozen
- dispose when thaws (Spring)

Signature: [illegible]
(please write legibly)

IMPORTANT MESSAGE

FOR Paula

DATE 1/15 TIME _____ A.M. P.M.

M Shane Hendrickson

OF Pipehead Pipeline

PHONE (715) 394-1412
AREA CODE NUMBER EXTENSION

☐ FAX

☐ MOBILE _____
AREA CODE NUMBER TIME TO CALL

TELEPHONED		PLEASE CALL	X
CAME TO SEE YOU		WILL CALL AGAIN	
WANTS TO SEE YOU		RUSH	
RETURNED YOUR CALL		WILL FAX TO YOU	

MESSAGE You had called Dale about a 8/5 release. Shane has more info. for you. He is mailing it also.

SIGNED