

State of Wisconsin Substance Release Notification Form

04-16-2023 42 closed  
Form 4400-91 Rev. 11-95

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

not on print-out  
redon bckdion

PLEASE PRINT

Date and Mil. Time of Incident 4/15/98 (0300) Date and Mil. Time Reported 4/15/98 (0405)

Person Reporting Dispatcher Telephone # (608) 246-3230

Representing Agency, Firm, or Citizen District 1 State Patrol

Responsible Party Murphy Oil

Contact Name Joe McLaughlin Telephone # (715) 398-3533

Address 2407 Stenson City, State, Zip Code Superior, Wisconsin, 54880

Substance Involved Naptha Amount & Units Released 30-40 gallons Amt. Recovered ? Is this a 304 (11004 42 USC) spill?  
 Yes  No  Unknown

Solid  Semisolid  Liquid  Gas Color \_\_\_\_\_ Odor \_\_\_\_\_

Exact Location (inc. address, facility name, mileage, bldg. #, etc.)  
Tank # 30 on property

City Superior County Douglas Lat/long \_\_\_\_\_

DNR Region NR  W  S  T  NR (E/W) Weather Cond. \_\_\_\_\_

Cause of Incident overflow of tank, substance was contained on property within dike.

Spilled Substance Impact To: Check (✓) all that apply <input type="checkbox"/> Air <input type="checkbox"/> Potential <input type="checkbox"/> Soil <input checked="" type="checkbox"/> Potential <input type="checkbox"/> Groundwater <input type="checkbox"/> Potential <input type="checkbox"/> Surface Water <input type="checkbox"/> Potential Name: _____ <input type="checkbox"/> Storm Sewer <input type="checkbox"/> Potential <input type="checkbox"/> Sanitary Sewer <input type="checkbox"/> Potential <input type="checkbox"/> Concrete/Asphalt <input type="checkbox"/> Potential <input type="checkbox"/> Private Well <input type="checkbox"/> Potential <input type="checkbox"/> Contained/Recovered <input type="checkbox"/> Other: _____	Spill Source: <input type="checkbox"/> Transportation Accident, Fuel Supply Tank Spill <input type="checkbox"/> Transportation Accident, Load Spill <input type="checkbox"/> Industrial Facility <input type="checkbox"/> Paper Mill <input type="checkbox"/> Chemical Co. <input type="checkbox"/> Ag Coop/Facility/Food Factory/Facility <input type="checkbox"/> Gas/Service Station/Garage/Auto Dealer, Repair Shop <input checked="" type="checkbox"/> Pipeline, Terminal, Tank Farm, Oil Jobber/Wholesaler <input type="checkbox"/> Public Property (city, state, church, school, etc.) <input type="checkbox"/> Utility Co., Power Generating/Transfer Facility <input type="checkbox"/> Private Property (home/farm) <input type="checkbox"/> Construction, Excavation, Wrecking, Quarry, Mine <input type="checkbox"/> Airport Facility <input type="checkbox"/> Railroad Facility <input type="checkbox"/> Other: _____	Action Taken By Spiller <input type="checkbox"/> No Action Taken <input type="checkbox"/> No Action Needed <input checked="" type="checkbox"/> Monitor <input checked="" type="checkbox"/> Cleanup Method: <u>Vacuum</u> <input type="checkbox"/> Waste Destination: _____
		<input checked="" type="checkbox"/> Containment <input type="checkbox"/> Contractor Hired Name: <u>Ceda</u> <input type="checkbox"/> 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 <u>NA</u> <input type="checkbox"/> Fire Department/Hazmat <input type="checkbox"/> Local DNR <input type="checkbox"/> EPA <input type="checkbox"/> Local Law Enforcement <input type="checkbox"/> Div. Emer. Gov. <input type="checkbox"/> Nat'l Resp. Ctr. 800-442-8802 <input type="checkbox"/> LEPC or Local Emer. Gov. <input type="checkbox"/> DATCP 608-224-4500 <input type="checkbox"/> Chemtree 800-424-9300 <input type="checkbox"/> Regional Response Team <input type="checkbox"/> DHSS 608-266-2830 <input type="checkbox"/> Other _____	Incident Commander, if known: <u>NA</u> Phone: _____
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Prepared By:(Print) David Woodbury (Sign) David Woodbury Date: 4/15/98 Rpt'd to DATCP?  Yes  No

Person Notified: Lynn Region Notified: NR Time: 0805 Date: 4/15/98

Invstgtd By:(Print) \_\_\_\_\_ (Sign) \_\_\_\_\_ Date: \_\_\_\_\_ Site Closed?  Yes  No

Spill Coordinator Signoff: [Signature] Date: 10-22-98 Transferred to ERP?  No  Yes; Case # \_\_\_\_\_ NFA Letter Sent?  Yes  No  
Spill Packet Sent?  Yes  No

Additional Comments on Reverse



DA

**DEPARTMENT OF NATURAL RESOURCES**

**Bureau of Law Enforcement  
101 S. Webster, Box 7921  
Madison, WI 53707  
608-266-2141**

**Our Telefax Number: (608) 266-3696 (automatic)**

**TELEFAX TRANSMITTAL FORM**

**TO:** Lynn For Hoch

**FROM:**

**NO. OF PAGES: (Including this page)**

392 - 7993

**If there are any problems receiving this transmittal, please call:**

NATIONAL RESPONSE CENTER - STATE FAX  
\*\* GOVERNMENT USE ONLY \*\* GOVERNMENT USE ONLY \*\* GOVERNMENT USE ONLY \*\*  
DO NOT RELEASE this information to the public without permission  
from the National Response Center (G-OPF), U. S. Coast Guard  
Headquarters, Washington DC 20593-0001 (202)287-2875.

From: National Response Center  
USCG HQ Washington, D. C.  
1-800-424-8802

To: WI DEPT NAT RES BUREAU OF LAW ENF  
Incident Report # 432490

INCIDENT DESCRIPTION

\*Report taken by MST3 BLANCHARD at 05:18 on 15-APR-98  
Incident Type: FIXED  
Incident Cause: EQUIPMENT FAILURE  
Affected Area: EARTHEN DIKE  
The incident was discovered on 15-APR-98 at 03:00 local time.  
Affected Medium: LAND

SUSPECTED RESPONSIBLE PARTY

Name: JOESPH MCLAGHLIN  
Organization: MURPHY OIL REFINERY  
Address: 2400 STINSON AVE  
SUPERIOR, WI 54880  
Day Phone: (715)3983533  
Type of Organization: PRIVATE ENTERPRISE

INCIDENT LOCATION

2407 STINSON AVE  
SUPERIOR, WI 54880  
County: DOUGLAS

RELEASED MATERIAL(S)

CHRIS Code: PTN Official Material Name: PETROLEUM NAPHTHA  
Also Known As:  
Qty Released: 40 GAL(S) Qty in Water: 0 NON(S)

SOURCE/CAUSE OF INCIDENT

TANK 30 (UNIT RUN DOWN TANK) / GAGE FAILURE - RESULTED IN TANK OVERFILL

DAMAGE

Injuries: Fatalities: Evacuations: Damages: Air Close: Road Close:  
N N

REMEDIAL ACTIONS

MATERIAL CONTAINED WITHIN DIKED AREA

NOTIFICATIONS BY CALLER

EPA: STATE: Y CG: OTHER: DESC:

NOTIFICATIONS BY NRC

ATSDR MN ATTN: LARRY SOUTHER (812)2150918  
ATSDR WI ATTN: JAMES DREW (808)2662663  
U. S. EPA V (312)3532318  
NOAA 1ST CLASS BB RPTS FOR WI (208)5266344  
MN DEM ATTN: M. KAM (612)6495451  
WI DEPT NAT RES BUREAU OF LAW ENF (808)2662598

ADDITIONAL INFORMATION

NOR 715 392-7993

NATIONAL RESPONSE CENTER - STATE\*FAX

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ATSDR WI ATTN: JAMES DREW (808)2882883  
U.S. EPA V (312)3532318  
NOAA 1ST CLASS BB RPTS FOR WI (206)5268344  
MN DEM ATTN: M. KAM (612)8495451  
WI DEPT NAT RES BUREAU OF LAW ENF (608)2882598

ADDITIONAL INFORMATION

NOR 715 372-7993

RECEIVED

MAY 22 1998

DNR SUPERIOR

May 20, 1998

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

RE: Naphtha Release - Tank 29

Dear Mr. Hosch:

This letter is to provide additional information on the site clean-up for the release of naphtha that occurred April 15, 1998, at approximately 0300 hours. Verbal notification of the release was provided the WDNR on the date of the release. As reported in the notification, the release was a result of a faulty automatic tank gauge that allowed the tank to be overfilled.

At the time the spill occurred, the soil was generally dry. The material leaked into the dike containment area of Tank 29. The amount of material spilled was estimated to be approximately 30 gallons. At no time was there any danger of the material moving off site.

The tank is located on the refinery property which is at 2400 Stinson Ave., Superior, WI. The map coordinates for the refinery are NW¼, NW¼, Sect. 36, T 49N, R 14N.

Clean-up activities commenced immediately after discovery of the release. The location of the spilled material was inside the diked area of the tank. Due to the small amount of material that overflowed from the tank, there were no pooled materials in the area of the spill that could be recovered. Soil was removed from the site immediately after the spill occurred.

The amount of soil removed was approximately one yard. The recovered soil is being stored in the contaminated soil storage building until arrangements for the ultimate disposition of the soil are made. Typically, contaminated soils are disposed of at a local asphalt plant in an asphalt roaster.



Mr. James Hosch

May 20, 1998

Page Two

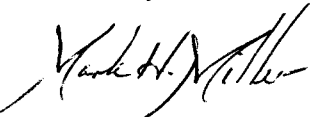
The automatic gauge will be repaired the next time the tank is taken down for maintenance. In the interim, the tank will be gauged by hand through the hand gauge port or the tank will be roof gauged to minimize the possibility of a recurrence of this incident.

Sampling was done at the site to confirm that clean-up of the contaminated soils had been adequate. The sample results are attached for your reference. As can be seen in the results, benzene was below the detection limits.

Due to the existing site conditions, the type of material and quantity involved, the immediate clean-up and follow-up remedial response at the site, and the results of the sampling, Murphy Oil USA believes that obligations and requirements under the pertinent NR 700 series Wisconsin Administrative Code standards have been met and are requesting closure for the Tank 29 naphtha spill site.

Please contact me at (715)398-8255 if you have any questions or comments in this regard.

Sincerely,



Mark H. Miller  
Manager, Safety and Environmental Control

mm130

cc: Kevin Melnyk  
Jim Britt  
Jim Kowitz



MINNESOTA CERTIFIED LABORATORY  
NUMBER 027-059-156

# Analytical Report

May 22, 1998

Irvin Mossberger  
Twin Ports Testing  
1301 North 3rd Street  
Superior, WI 54880

## Chain of Custody

Project ID: 823-98E

Chain of Custody: 23796

Date Received: 4/20/98 3:21:12 PM by Jacqueline Lutgen

## Sample Information

SampleID	Description	Date	Matrix
27600	B-1	4/16/98	Soil
27601	SP-1	4/16/98	Soil
27602	Trip blank	4/16/98	Other

This is an AMENDED REPORT adding laboratory contamination footnote to methylene chloride  
Analytical results are listed on the following page(s).

## Reviewed By

Chad Holzmagel  
Chemist

Post-It <sup>®</sup> Fax Note	7671	Date	5/22	# of pages	4
To	Irvin	From	Shelly		
Co./Dept	TPT	Co.	MAS		
Phone #		Phone #			
Fax #		Fax #			

**MIDWEST ANALYTICAL SERVICES**

May 22, 1998

Page 2

COC 23796

Date Analyzed: 04-27-98

<b>Parameter:</b>	<b>Total Hydrocarbons as GRO</b>	<b>Percent Moisture</b>
<b>Units:</b>	(mg/kg)	(%)
<b>MDL:</b>	10.0	
27600 B-1	BDL*	
27601 SP-1	46.6	2.2
27602 Trip Blank	BDL	

BDL = Below Detection Limit, MDL = Method Detection Limit

\* = Peaks present in range but below detection limit



**MIDWEST ANALYTICAL SERVICES**

May 22, 1998

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COC 23796

Date Analyzed: 04-27-98

Lab ID:	MDL (mg/kg)	27600 B-1 (mg/kg)	27601 SP-1 (mg/kg)	27602 Trip Blank (mg/kg)
Dichlorodifluoromethane	0.005	BDL	BDL	BDL
Chloromethane	0.010	BDL	BDL	BDL
Vinyl chloride	0.008	BDL	BDL	BDL
Bromomethane	0.010	BDL	BDL	BDL
Chloroethane	0.010	BDL	BDL	BDL
Dichlorofluoromethane	0.010	BDL	BDL	BDL
Trichlorofluoromethane	0.013	BDL	BDL	BDL
Ethyl ether	0.015	BDL	BDL	BDL
Acetone	0.008	BDL	BDL	BDL
1,1-Dichloroethene	0.013	BDL	BDL	BDL
Methylene chloride	0.015	0.021*	0.016*	0.028*
Allyl chloride	0.010	BDL	BDL	BDL
Trichlorotrifluoroethane	0.025	BDL	BDL	BDL
Methyl tert-butyl ether	0.008	BDL	BDL	BDL
trans-1,2-Dichloroethene	0.010	BDL	BDL	BDL
1,1-Dichloroethane	0.008	BDL	BDL	BDL
Methyl ethyl ketone	0.070	BDL	BDL	BDL
cis-1,2-Dichloroethene	0.008	BDL	BDL	BDL
Bromochloromethane	0.005	BDL	BDL	BDL
Chloroform/2,2-Dichloropropane	0.025	BDL	BDL	BDL
Tetrahydrofuran	0.015	BDL	BDL	BDL
1,2-Dichloroethane	0.008	BDL	BDL	BDL
1,1,1-Trichloroethane	0.010	BDL	BDL	BDL
1,1-Dichloropropene	0.008	BDL	BDL	BDL
Carbon tetrachloride	0.010	BDL	BDL	BDL
Benzene	0.013	BDL	0.020	BDL
Dibromomethane	0.008	BDL	BDL	BDL
1,2-Dichloropropane	0.008	BDL	BDL	BDL
Trichloroethene	0.008	BDL	BDL	BDL
Bromodichloromethane	0.010	BDL	BDL	BDL
cis-1,3-Dichloropropene	0.008	BDL	BDL	BDL
Methyl isobutyl ketone	0.018	BDL	BDL	BDL
trans-1,3-Dichloropropene	0.005	BDL	BDL	BDL

BDL = Below Detection Limit, MDL = Method Detection Limit, PQL = Practical Quantitation Limit

## MIDWEST ANALYTICAL SERVICES

May 22, 1998

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COC 23796

Date Analyzed: 04-27-98

Lab ID:	MDL (mg/kg)	27600 B-1 (mg/kg)	27601 SP-1 (mg/kg)	27602 Trip Blank (mg/kg)
1,1,2-Trichloroethane	0.008	BDL	BDL	BDL
Toluene	0.010	BDL	0.228	BDL
1,3-Dichloropropane	0.008	BDL	BDL	BDL
Dibromochloromethane	0.008	BDL	BDL	BDL
1,2-Dibromoethane	0.020	BDL	BDL	BDL
Tetrachloroethene	0.010	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	0.035	BDL	BDL	BDL
Chlorobenzene	0.010	BDL	BDL	BDL
Ethylbenzene	0.010	BDL	0.505	BDL
m- and p-Xylene	0.013	0.023	1.116	BDL
Bromoform	0.013	BDL	BDL	BDL
Styrene	0.013	BDL	BDL	BDL
O-Xylene	0.008	0.012	0.616	BDL
1,1,2,2-Tetrachloroethane	0.010	BDL	BDL	BDL
1,2,3-Trichloropropane	0.013	BDL	BDL	BDL
Isopropyl benzene	0.018	BDL	0.378	BDL
Bromobenzene	0.005	BDL	BDL	BDL
n-Propyl benzene	0.020	BDL	0.767	BDL
2-Chlorotoluene	0.008	BDL	BDL	BDL
4-Chlorotoluene	0.008	BDL	BDL	BDL
1,3,5-Trimethylbenzene	0.005	BDL	0.714	BDL
tert-Butyl benzene	0.015	BDL	0.205	BDL
1,2,4-Trimethylbenzene	0.018	BDL	2.058	BDL
sec-Butyl benzene	0.013	0.131	0.608	BDL
1,3-Dichlorobenzene	0.010	BDL	BDL	BDL
1,4-Dichlorobenzene	0.010	BDL	BDL	BDL
p-Isopropyl toluene	0.010	BDL	0.420	BDL
1,2-Dichlorobenzene	0.013	BDL	BDL	BDL
n-Butyl benzene	0.008	BDL	0.802	BDL
1,2-Dibromo-3-chloropropane	0.010	BDL	BDL	BDL
1,2,4-Trichlorobenzene	0.013	BDL	BDL	BDL
Naphthalene	0.018	BDL	BDL	BDL
Hexachlorobutadiene	0.013	BDL	BDL	BDL
1,2,3-Trichlorobenzene	0.005	BDL	BDL	BDL

BDL = Below Detection Limit, MDL = Method Detection Limit, PQL = Practical Quantitation Limit

330 SO. CLEVELAND ST.  
P.O. BOX 349  
CAMBRIDGE, MN 55008

CHAIN OF CUSTODY RECORD

AND

REQUEST FOR ANALYSIS

(Instructions on Back of Form)

№ 23796

LAB (612) 689-2171  
CENTRO (612) 221-2271  
(612) 689-2688

CLIENT: <i>Twin Ports Testing</i>		SAMPLER NAME: <i>Irwin Mossberger</i>	
PROJECT I.D.: <i>823-98E</i>		SAMPLER SIGNATURE: <i>Irwin Mossberger</i>	
REPORTS TO BE SENT TO: <i>Irwin Mossberger Twin Ports Testing 1301 N. 3rd St. Superior, WI 54880</i>		REMARKS: <i>WI samples</i>	

NO. OF CONTAINERS	COMP.	GRAB	DATE	TIME	MATRIX			SAMPLE IDENTIFICATION												PRESERVATIVE									
					WATER	SOIL	OTHER	SAMPLE NO.	LABORATORY ID	GRO (Includes BTEX)	DRO	BTEX	VOC (465-D)	PH	Pb (Diss. or Total)	RCRA 8 METALS	BOD OR CBOD	TSS	FCOL OR TCOL	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	ICE	OTHER					
<i>2</i>		<i>X</i>	<i>4/16/98</i>	<i>7:50</i>		<i>X</i>			<i>B-1</i>			<i>X</i>																<i>X</i>	<i>X</i>
<i>2</i>		<i>X</i>	<i>4/16/98</i>	<i>3:10</i>		<i>X</i>			<i>SP-1</i>			<i>X</i>																<i>X</i>	<i>X</i>
<i>1</i>							<i>X</i>		<i>Trip Blk.</i>				<i>X</i>															<i>X</i>	<i>X</i>

Relinquished by: (Signature) <i>Irwin Mossberger</i>	Date / Time <i>4/17/98 11:20</i>	Received by: (Signature) <i>[Signature]</i>	Relinquished by: (Signature) <i>[Signature]</i>	Date / Time <i>4-17-98</i>	Received by: (Signature) <i>[Signature]</i>	CHECK HERE FOR DRINKING WATER DETECTION LIMITS <input type="checkbox"/>	
Relinquished by: (Signature) <i>[Signature]</i>	Date / Time	Received by: (Signature) <i>[Signature]</i>	Relinquished by: (Signature) <i>[Signature]</i>	Date / Time	Received by: (Signature) <i>[Signature]</i>	TURNAROUND TIME REQUIRED: <input checked="checked" type="checkbox"/> NORMAL <input type="checkbox"/> RUSH	
Relinquished by: (Signature)	Date / Time	Received for Laboratory: (Signature) <i>[Signature]</i>	Date / Time <i>4/17/98</i>	Comments: <i>[Blank]</i>		DATE RECEIVED <i>4/19/98</i>	