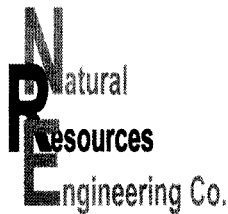


24-Hour Emergency Hotline Number: 1-800-943-0003

pdf

Date & Military Time Of Incident: 11/10/2003		Date & Military Time Reported: 11/10/2003, 15:32PM		Spill File # NOR11102003 01 04-16-518579	
Person Reporting: Mark Sitek		Representing: Enbridge		Phone # (715)394-1410 Fax # (888)415-8613, pager	
Responsible Party (RP) / Spiller: <i>Enbridge</i>		RP-Decision Based On: <i>facility owner</i>		Phone # () Fax # ()	
RP Address: 2800 E. 21st St				City State Zip Code Superior WI	
RP Contact Name & Title: <i>Mark Sitek</i>				Phone # (715) 394-1410 Fax # ()	
Substance Involved: Crude Oil		Amount & Units Released: 1/2 barrel or approx 20 gallons		Amount & Units Recovered:	
<input type="checkbox"/> Solid <input type="checkbox"/> Semisolid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas		Color:		Odor:	
Exact Location Of Incident: (including street name, bldg. #, mileage, etc.) The large terminal in Superior, at Enbridge, in a containment dyke ontop of semi frozen ground <i>- feeder line from tank 33</i>				Facility Name / Property Owner: Enbridge	
<input checked="" type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Township Superior		County Douglas		Latitude/Longitude	
DNR Region: NOR		NW1/4 NW1/4 Sec 31 T49N R13 <input type="checkbox"/> E <input checked="" type="checkbox"/> W		Weather Conditions:	
Cause Of Incident: <i>broken valve off feeder line of tank 33</i>					
Spilled Substance Impact To: (check X all that apply)		Spill Cause/Site:		Action Taken By Spiller:	
<input type="checkbox"/> Air <input type="checkbox"/> Potential <input type="checkbox"/> Concrete/Asphalt <input type="checkbox"/> Potential <input type="checkbox"/> Contained/Recovered <input type="checkbox"/> Groundwater <input type="checkbox"/> Potential <input type="checkbox"/> Private Well <input type="checkbox"/> Potential <input type="checkbox"/> Sanitary Sewer <input type="checkbox"/> Potential <input checked="" type="checkbox"/> Soil <input checked="" type="checkbox"/> Potential <input type="checkbox"/> Storm Sewer <input type="checkbox"/> Potential <input type="checkbox"/> Surface Water <input type="checkbox"/> Potential Name: <input type="checkbox"/> Other:		<input type="checkbox"/> Ag Coop/Food Factory <input type="checkbox"/> Airport Facility <input type="checkbox"/> Railroad Facility <input type="checkbox"/> Construction, Excavation, Wrecking, Quarry, Mine <input type="checkbox"/> Gas/Service Station/Garage/Auto Dealer/Repair Shop <input type="checkbox"/> Hydraulic Line Break <input type="checkbox"/> Industrial Facility <input type="checkbox"/> Paper Mill <input type="checkbox"/> Chemical Co. <input checked="" type="checkbox"/> Pipeline/Terminal/Tank Farm/Oil Jobber/Wholesaler <input type="checkbox"/> Private Property (home/farm) <input type="checkbox"/> Public Property (city, state, church, school, etc.) <input type="checkbox"/> Transportation Accident, Fuel Tank Spill <input type="checkbox"/> Transportation Accident, Load Spill <input type="checkbox"/> Utility Co. Power Generating/Transfer Facility <input type="checkbox"/> Other:		<input checked="" type="checkbox"/> Cleanup Method: <input type="checkbox"/> Absorbent <input checked="" type="checkbox"/> Excavation <i>6 yds</i> <input checked="" type="checkbox"/> Internal Clean up has started <input checked="" type="checkbox"/> Containment <input type="checkbox"/> Contractor Hired Name: <input type="checkbox"/> Monitor <input type="checkbox"/> No Action Needed <input type="checkbox"/> No Action Taken <input checked="" type="checkbox"/> Waste Destination: <i>Timberline Trail</i> <input type="checkbox"/> Other:	
Injuries? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes how many?		Has An Evacuation Occurred? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Potential? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Are There Any Resource Damages? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Potential What Kind?					
Other Agencies Notified: (check first column, if notified; check both columns, if on the scene)				Incident Commander:	
<input type="checkbox"/> Fire Department <input type="checkbox"/> Local Law Enforcement <input type="checkbox"/> LEPC or Local Emer. Mgt. <input type="checkbox"/> Level A/Level B Team		<input type="checkbox"/> Local DNR <input type="checkbox"/> Div. Emerg. Mgt. <input type="checkbox"/> Coast Guard <input type="checkbox"/> DHFS 608-258-0099		<input type="checkbox"/> EPA <input type="checkbox"/> Nat'l Resp Ctr 800-442-8802 <input type="checkbox"/> Chemtrec 800-424-9300 <input type="checkbox"/> Other:	
Prepared By: Katy Edwards		Phone # 608-267-7450		Date: 11-10-2003	
Person Notified: John Krull/C174		Phone # 715-392-7992		Date: 11-10-2003	
Investigated By:		Sign:		Date:	
Spill Coordinator Signoff: <i>Norman Sunba</i>		Date: <i>12/12/03</i>		Incident Closed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Date: <i>12/12/03</i> NFA Letter Sent? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Spill Packet Sent? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No To:	



Natural Resources Engineering Company

69 North 28th Street - Suite 27

Superior, Wisconsin 54880

Telephone (715) 395-5680

Fax [715] 395-5681

December 5, 2003

Mr. Norm Dunbar
NOR Spills Coordinator
Wisconsin Department of Natural Resources
107 Sutliff Avenue
Rhinelander, Wisconsin 54501

**RE: Enbridge Superior Terminal
Tank #33 Leak (11/11/03)**

Dear Mr. Dunbar:

This letter report serves to accompany the NR 4400-202 Case Summary and Close Out Form pertaining to the 11/11/03 crude oil release at Enbridge's Superior Terminal adjacent to Tank 33. Figure 1 indicates the location of the release and Figure 2 indicates the final excavation extent and confirmation soil sample location. *not required (sp. 11)*

During routine inspections, Enbridge personnel discovered crude oil present on the ground surface near Tank 33. It appeared that residual water from a hydrotest was trapped in the bonnet of an 8-inch valve coming off of the feeder line from Tank 33. The water froze causing the bonnet gasket to fail. Approximately 20 gallons of crude oil were released, with the majority being recovered via excavation along with the use of absorbent pads. Approximately 6 cubic yards of crude oil impacted soil was removed to a total depth of approximately one foot. The soil was briefly stockpiled near Tank 1, prior to final disposal at Waste Management's Timberline Trail Landfill, in Weyerhaeuser, Wisconsin. The soil disposal took place in conjunction with the Superior Nemadji stockpile dismantling event. Soil was disposed of at the landfill the same day the excavation occurred. Upon completion of the excavation, the area was backfilled to grade with clean clay.

Following the excavation, one base soil sample was collected and analyzed for DRO, PVOC and PAH. The only detection was a toluene concentration of 42 µg/Kg, which is well below its respective NR 720 Generic RCL of 1,500 µg/Kg. Table 1 is a summary of the analytical results for base soil sample B-1. A copy of the analytical report is also included for your records. Due to the lack of residual crude oil related compounds present in the soil, and environmental setting of the site, little if any risk is posed to human health or the environment by this release. We request that this case be closed. If you agree with our recommendation, please forward a copy of the closed WDNR spill form for our records.

Should you have any questions, do not hesitate to call me at (715) 395-5680.

Sincerely,

Barry F. Power, P.E.
Environmental Engineer

Enclosure (1)

cc: Mark Sitek, Scott Lounsbury, Paul Meneghini – Enbridge: Superior region



TN MN
0%

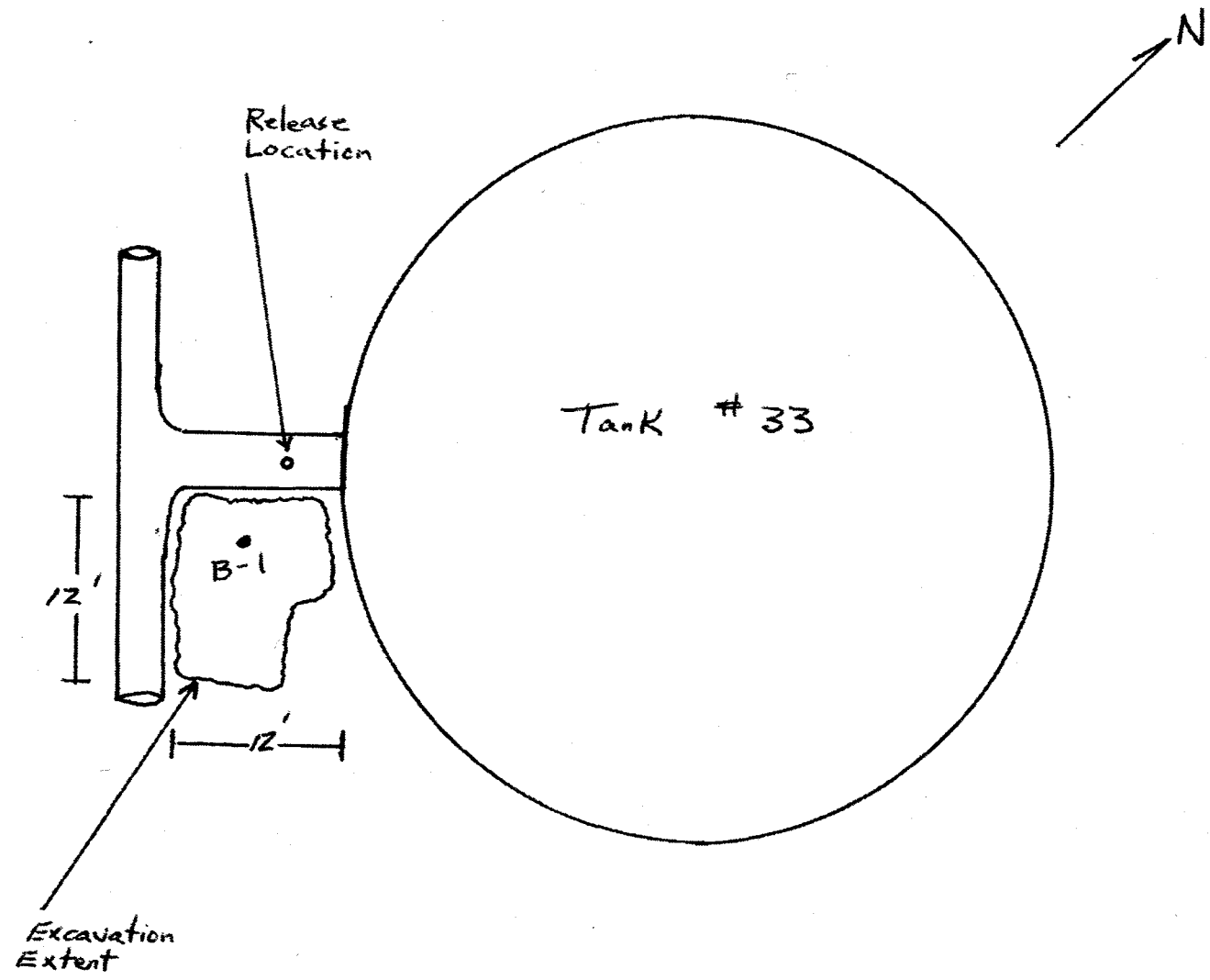
0 1000 FEET 0 500 1000 METERS

Site Location Map - Superior Terminal Tank #33
Enbridge Energy Company - Superior Terminal

Natural Resources Engineering Company
69 N 28th Street Suite 27, Superior, WI 54880

Natural Resources Engineering Co.
713-367-8880

Dec-03
Figure 1



* Drawing Not To Scale



Enbridge Energy, Limited Partnership
Figure 2: Final Excavation Limit and Confirmation Soil Sample Location

DATE ISSUED: 11/26/03	
DATE REVISED:	
SCALE:	
DRAWN BY: BDH	
SERIES: Superior Terminal	
715-395-5680	

Client : NREC

Project Name : SUPERIOR TERMINAL TANK 33

Project Number :

Field ID : B-1

Matrix Type : SOIL

Collection Date : 11/11/03

Report Date : 11/19/03

Lab Sample Number : 841042-001

INORGANICS

Test	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Percent Solids	81.5				1	%		11/17/03	SM 2540G M	SM 2540G M

DIESEL RANGE ORGANICS

Preservation Date: 11/17/03

Prep Date: 11/17/03

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
Diesel Range Organics	< 4.0			4.0	1	mg/Kg		11/18/03	WI MOD DRO	WI MOD DRO
DRO Blank	< 5.0			5.0	1	mg/Kg		11/18/03	WI MOD DRO	WI MOD DRO
DRO Blank Spike	77			1.0	1	%Recov		11/18/03	WI MOD DRO	WI MOD DRO
DRO Blank Spike Duplicate	80			1.0	1	%Recov		11/18/03	WI MOD DRO	WI MOD DRO

PVOC

Prep Date: 11/16/03

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1,2,4-Trimethylbenzene	< 25	25	60		50	ug/Kg		11/17/03	SW846 5030B	SW846 M8021
1,3,5-Trimethylbenzene	< 25	25	60		50	ug/Kg		11/17/03	SW846 5030B	SW846 M8021
Benzene	< 25	25	60		50	ug/Kg		11/17/03	SW846 5030B	SW846 M8021
Ethylbenzene	< 25	25	60		50	ug/Kg		11/17/03	SW846 5030B	SW846 M8021
Methyl-tert-butyl-ether	< 25	25	60		50	ug/Kg		11/17/03	SW846 5030B	SW846 M8021
Toluene	42	31	74		50	ug/Kg	Q	11/17/03	SW846 5030B	SW846 M8021
Xylene, o	< 25	25	60		50	ug/Kg		11/17/03	SW846 5030B	SW846 M8021
Xylenes, m + p	< 50	50	120		50	ug/Kg		11/17/03	SW846 5030B	SW846 M8021
a,a,a-Trifluorotoluene	102				1	%Recov		11/17/03	SW846 5030B	SW846 M8021

PAH/PNA

Prep Date: 11/17/03

Analyte	Result	LOD	LOQ	EQL	Dil.	Units	Code	Anl Date	Prep Method	Anl Method
1-Methylnaphthalene	< 34	34	110		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
2-Methylnaphthalene	< 37	37	120		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Acenaphthene	< 54	54	180		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Acenaphthylene	< 88	88	290		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Anthracene	< 54	54	180		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Benzo(a)anthracene	< 29	29	98		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Benzo(a)pyrene	< 29	29	98		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Benzo(b)fluoranthene	< 32	32	110		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Benzo(ghi)perylene	< 59	59	200		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Benzo(k)fluoranthene	< 44	44	150		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Chrysene	< 34	34	110		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Dibenzo(a,h)anthracene	< 36	36	120		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Fluoranthene	< 39	39	130		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Fluorene	< 29	29	98		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Indeno(1,2,3-cd)pyrene	< 54	54	180		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Naphthalene	< 37	37	120		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Phenanthrene	< 39	39	130		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Pyrene	< 64	64	210		1	ug/Kg		11/17/03	SW846 3545	8270C-SIM
Nitrobenzene-d5	67				1	%Recov		11/17/03	SW846 3545	8270C-SIM
2-Fluorobiphenyl	54				1	%Recov		11/17/03	SW846 3545	8270C-SIM
Terphenyl-d14	55				1	%Recov		11/17/03	SW846 3545	8270C-SIM

TABLE 1

Soil Sampling Results
 Esbridge Pipelines (Lahcedah), L.L.C.-Superior Terminal Tank #33

Location	Date	Benzene (ug/kg)	Ethylbenzene (ug/kg)	Methyl-tert-butyl-ether (ug/kg)	Toluene (ug/kg)	1,3-Dimethylbenzene (ug/kg)	1,2,4-Trimethylbenzene (ug/kg)	m- and p-xylene (ug/kg)	o-xylene (ug/kg)	DIC (ug/kg)	Acenaphthene (ug/kg)	Acenaphthylene (ug/kg)	Anthracene (ug/kg)	Benzo (a) anthracene (ug/kg)	Benzo (a) pyrene (ug/kg)	Benzo (b) fluoranthene (ug/kg)	Benzo (k) fluoranthene (ug/kg)	Chrysene (ug/kg)	Dibenz (a,h) anthracene (ug/kg)	Fluorene (ug/kg)	Pyrene (ug/kg)	Benzo (1,2,3-cd) pyrene (ug/kg)	1-Methylpyrene (ug/kg)	2-Methylpyrene (ug/kg)	Naphthalene (ug/kg)	Phenanthrene (ug/kg)	Pyrene (ug/kg)	
B-1 (1)	11/11/03	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 4.0	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
Non-hazardous RCL (ug/kg)		1.10E+03	1.50E+03	No standard	3.15E+03	7.50E+03	7.50E+03	3.15E+07	8.00E+05	1.80E+04	5.00E+03	8.00E+01	8.00E+03	8.00E+03	8.00E+03	8.00E+02	8.00E+03	8.00E+03	8.00E+00	8.00E+05	6.00E+05	8.00E+01	1.10E+08	6.00E+05	2.00E+04	1.80E+04	5.00E+05	5.00E+05
Hazardous RCL (ug/kg)		1.10E+04	1.02E+03	No standard	2.04E+03	5.11E+07	5.11E+07	2.04E+03	6.00E+07	3.00E+05	3.00E+03	3.00E+03	3.00E+02	3.00E+03	3.00E+04	3.00E+05	3.00E+05	3.00E+05	3.00E+02	4.00E+07	4.00E+07	3.00E+03	7.00E+07	4.00E+07	1.10E+05	3.00E+05	3.00E+05	3.00E+07