



Superior Refining Company LLC

2407 Stinson Avenue

Superior, WI 54880

Tel: (715) 398-3533

June 8, 2018

John Sager
Hydrogeologist Program Coordinator
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
1701 N. 4th St.
Superior, WI 54880

Re: Superior Refinery Fire SERTS ID 20180426NO16-1

Dear Mr. Sager,

Please find the attached report regarding the immediate action taken in response to the asphalt, #6 fuel oil, and Thermanol releases reported the WDNR on Thursday, April 26, 2018 as required under NR 708.05(6)(a).

It should be noted that Superior Refining Company LLC is not requesting no further action at this time. The cleanup of the site will be ongoing for some time and site remediation will follow.

If you have any additional questions, please feel free to contact me at (715) 398-8434.

Thank you,

Matt Turner

Environmental Technologist



NR708.05(6)(a) Immediate Action Report

708.05(6)(a) Unless par. (b) is applicable or unless otherwise directed by the department, responsible parties shall prepare and submit written documentation to the department describing the immediate actions taken at their site or facility and the outcome of those actions, within 45 days after the initial hazardous substance discharge notification is given to the department in accordance with the requirements of ch. NR 706.

1. 708.05(6)(c)1 A statement expressing the purpose of the submittal and the desired department action or response.

The purpose of this submittal is to comply with the written documentation requirements under NR 708.05(6) describing the immediate action taken following a hazardous substance discharge. Superior Refining Company LLC requests that the Department deem this report acceptable to fulfill the requirements of NR 708.05(6) for the 2018 Superior Refinery Fire. Removal of discharged product and visible contamination is still ongoing at the site. Superior Refining Company LLC is requesting the WDNR allow the discharge to remain open until a long-term action plan can be developed. Once the action plan is completed, Superior Refining Company LLC will submit the required report under NR 708.09.

2. 708.05(6)(c)2 Name, address and telephone number of the responsible parties.

Name: Superior Refining Company LLC
Address: 2407 Stinson Ave., Superior, WI 54880
Phone: (715) 398-3533

3. 708.05(6)(c)3 Location of the site or facility, or discharge incident, including street address; quarter–quarter section, township, range, and county; and the location information specified in s. NR 716.15 (5) (d); latitude and longitude, and legal description of lot, if located in platted area.

Street Address: 2407 Stinson Ave., Superior, WI 54880
Coordinates: NW $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 36, Township 49 North, Range 14 West, Superior Township of Douglas County.
WTM Coordinates: X: 361,711
Y: 692,928

4. 708.05(6)(c)4 Any information required under ch. NR 706 that has not been provided to the department previously.

Any known available information required under NR 706 known at the time of the initial notification was supplied to the Division of Emergency Management with the Initial Discharge Notification required under NR 706.05(1)(b). To ensure all information is provided, please see attachment A for a summary of the information initially reported and the 2018 Superior Refinery Incident Action Plans that are submitted to the WDNR as the response to the event is ongoing.

5. 708.05(6)(c)5 The type of engineering controls, treatment or both and the effluent quality of any permitted or licensed discharge.

The discharge was controlled to the best extent practicable utilizing earthen berms required by the Spill Prevention, Control, and Countermeasure (SPCC) regulation as required by Title 40 of the Code of Federal Regulation Part 112.

Effluent and stormwater discharge is authorized under the Department of Natural Resources general permit for Tier 1 Industrial Facilities (WPDES Permit No. WI-S067849-3), the Refinery's Waste Water



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Treatment Plant (WWTP) permit (WPDES Permit No. WI-0003085-08-0) and the Department of Natural Resources general permit for Petroleum Contaminated Water (WPDES Permit No. WI-0046531-06-0). Any deviations from permitted conditions and/or limits under either permit are reported as required by the respective permit.

6. 708.05(6)(c)6 The type, total volume and final disposition of the discharged hazardous substance and contaminated materials generated as part of the immediate action, including legible copies of manifests, receipts and other relevant documents.

Type of Material Spilled:

Asphalt, #6 fuel oil, and Therminol

Total Volume:

Unknown at this time

Final Disposition:

Superior Refining Company LLC is still conducting product recovery as well as site cleanup.

All excavated material will be collected, characterized and disposed of at a permitted off-site disposal facility.

All recovered product is re-inserted into the refining process.

Efforts are being made to treat recovered water on-site at the Refinery's permitted WWTP (Permit No. WI-0003085-08-0). Additional coverage/authorization has been provided under the Department of Natural Resources general permit for Petroleum Contaminated Water (WPDES Permit No. WI-0046531-06-0).



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Attachment A

Hazardous Substance Discharge Notification Form - NR 706.05

Superior Refining Company LLC

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Phone: (715) 398-3533 Fax: (715) 398-8209

Refinery Map Coordinates: NW1/4, NW1/4, Sect. 36, T 49N, R 14N.

1) Reporting Information

Name:	Matt Turner	Phone:	715-398-8434
Date:	4/26/2018	Position:	Environmental Technologist

2) Discharge Information

Date:	4/26/2018	Time:	9:59	Duration:	Unknown
Material/Product:	Asphalt, #6 Fuel Oil, & Therminol		Response Time:	Immediate	
Amount Released:	Asphalt: 22,400bbls (estimate) #6 Fuel Oil/Therminol: 200-300bbls (estimate)				
Specific Location:	Asphalt Tank Farm, FCC/Gas-Con and Crude Units				
How was spill detected:	Asphalt was seen leaking out of a storage tank; #6 fuel oil/Therminol became visible after fire was out				
Cause:	A fire caused extensive damage to a number of asphalt storage tanks as well as multiple process units in the facility				

If necessary, continue on back

3) Additional Information

Physical Characteristics (i.e. solid, liquid or gas):	Liquid		
Chemical Properties:	Toxic if ingested, combustible		
Possible Hazards:	Possible carcinogen; may cause respiratory irritation		
Immediate Corrective Action/Clean-up:	Closed the underflow spill weir on Stinson Ave; installed sand berms to prevent product from leaving site		
People/Companies Performing the Action:	Husky personnel and various onsite contractors		
Speed and Movement of Discharge (if any):	<1mph; material migrated west to east through the facility		
Actual/Potential Impacts to Human Health (if any):	None		
Actual/Potential Impacts to Environment (if any):	Petroleum impacted soil and firefighting water		
Weather Conditions (i.e. precipitation, wind speed and direction):	Precip: None; Wind: 10mph N; Temp: 51		
Agencies On-scene During Spill (if any):	WDNR, EPA, OHSA, CSB, Douglas County Emergency Management, City of Superior		
Further action needed (if any):	Further cleanup via excavation and product recovery is currently occurring		
Amount reaching Navigable Waters:	Firefighting water with residual hydrocarbons		
Total Oil Storage Capacity of Tanks/Lines Material was Discharged From:	Unknown		
Adequate Secondary Containment:	Yes		
Steps Taken to Reduce Possibility of Recurrence:	Assessment ongoing		
Enforcement Actions (if any):	N/A		
Effectiveness of Monitoring Equipment (if any):	N/A		

Hazardous Substance Discharge Call Log 04/26/2018

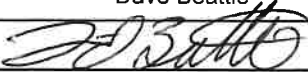
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Time of Call	Agency	Phone #	Person Contacted	Comments/Follow Up Action required by Agency
10:05 & 10:26	National Response Center (Notify Fire Dept. as courtesy)	800-424-8802	No answer on first call	Incident Report 1210367
10:08	Wisconsin Emergency Management	800-943-0003	Coreyl Posthuma	Event ID 20180426NO16-1
10:34	Douglas County Emergency Management	715-395-1391 715-817-1899 ©	Keith Kessler	Left voicemail
10:36 & 11:24	DNR - Air	715-461-0892	John Tadelski	Left voicemail on initial call; John called back to follow up
10:40	DNR - Water and Soil	715-392-7822 715-490-0123 ©	John Sager	Left voicemail
10:47	US EPA Region V	715-635-4068	Christina Miller	Received call
	Coast Guard MSO	218-522-0707		Coast Guard was notified by the National Response Center
10:00	Fire Dept. (If needed)	715-394-0227 or 911	911 Dispatcher	Onsite security guards call Superior Fire Department whenever Husky ERT is mobilized
10:00	Police Dept. (If needed)	715-395-7234 or 911	911 Dispatcher	Onsite security guards call Superior Police Department whenever Husky ERT is mobilized

Name of Person making Calls	Dave Beattie
Signature of Person Making Calls	
Title	Sr. Environmental Technologist