

04-16-284557

PLEASE PRINT

State of Wisconsin Substance Release Notification Form

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

Form 4400-91 Rev. 11-95

Date and Mil. Time of Incident	3/26/01 0302 AM CONTINUING	Date and Mil. Time Reported	3/26/01 0943
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Person Reporting	LIZ LUNOMARK	Telephone # (715) 398-8434 (office)
Representing Agency, Firm, or Citizen	MURPHY OIL - SUPERIOR REFINERY	398-3533 (refinery)
Responsible Party	MURPHY OIL - SUPERIOR REFINERY	
Contact Name	LIZ LUNOMARK	Telephone # (715) 398-8434
Address	2407 STINSON AVENUE	City, State, Zip Code SUPERIOR, WI 54880

Substance Involved	Amount & Units Released	Amt. Recovered	Is this a 304 (11004.42 USC) spill? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown
SULFUR COMPOUNDS			
<input type="checkbox"/> Solid <input type="checkbox"/> Semisolid <input type="checkbox"/> Liquid <input checked="" type="checkbox"/> Gas Color _____ Odor _____			

Exact Location (inc. address, facility name, mileage, bldg. #, etc.)	SULFUR PLANT AT THE REFINERY		
City	SUPERIOR	County	DOUGLAS
DNR Region	NOR	Lat/long	
	1/4 1/4sec T NR (E/W)	Weather Cond.	

Cause of Incident: SUSPECT OIL IS GETTING INTO SULFUR PLANT INCINERATOR AND BURNING... REFINERY IS CUTTING BACK THROUGHPUT TO MINIMIZE EMISSIONS UNTIL CAUSE IS CONFIRMED AND CONTROLLED.

Spilled Substance Impact To: Check (✓) all that apply <input checked="" type="checkbox"/> Air <input type="checkbox"/> Potential <input type="checkbox"/> Soil <input 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 checked="" 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 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 checked="" type="checkbox"/> Other OIL REFINERY	Action Taken By Spiller <input type="checkbox"/> No Action Taken <input type="checkbox"/> No Action Needed <input type="checkbox"/> Monitor <input type="checkbox"/> Cleanup Method: _____ <input type="checkbox"/> Waste Destination: _____ <input checked="" type="checkbox"/> Containment <input type="checkbox"/> Contractor Hired Name: _____ <input type="checkbox"/> Other: _____
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Injuries? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, how many? _____	Has an evacuation occurred? <input type="checkbox"/> Yes <input type="checkbox"/> No Potential? <input type="checkbox"/> Yes <input type="checkbox"/> No
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Are there any resource damages? Yes No Potential What kinds? _____

Other Agencies Notified (✓ first column if notified); Check (✓) both columns if on scene <input type="checkbox"/> Fire Department/Hazmat <input checked="" 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"/> Chemtrec 800-424-9300 <input type="checkbox"/> Regional Response Team <input type="checkbox"/> DHSS 608-266-2830 <input checked="" type="checkbox"/> Other LOCAL 911	Incident Commander: _____ Known: _____ Phone: _____
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Prepared By:(Print) ROBERT C. GOTTHALD (Sign) <i>Robert C. Gotthald</i> Date: 3/26/01	Rpt'd to DATCP? <input type="checkbox"/> Yes <input type="checkbox"/> No
Person Notified: _____	Region Notified: _____ Time: _____ Date: _____
Invstgtd By:(Print) _____ (Sign) _____ Date: _____	Site Closed? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Spill Coordinator Signoff: <i>James A. Havel</i> Date: 03/27/01	Transferred to ERP? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes; Case # _____
	NFA Letter Sent? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	Spill Packet Sent? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Additional Comments on Reverse

FACILITY CONTACT REPORT
 Form 4500-94 Rev. 4-96

Facility: Murphy Oil	F.I.D./AIRS/Permit No.: 816009590
Address: 2407 Stinson Avenue	City: Superior State: WI Zip: 54880
Facility Representative: Liz Lundmark (Environmental Manager)	Telephone: 715-398-8434 (office) 715-398-3533 (refinery grounds)

DNR Representative: Bob Gothblad (Superior Air Compliance Engineer)	Date: 3/26/01 0943	Time: a.m.
	3/26/01 1100	p.m.

DNR Address:	City: State: WI Zip: 54880
Contact: <input checked="" type="checkbox"/> In Person <input checked="" type="checkbox"/> Telephone <input type="checkbox"/> Mail	Telephone:

Reason for contact:

Inspection	Complaint Follow-up	<input checked="" type="checkbox"/> Other.....air exceedance episode
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Remarks: Lundmark called 3/26/01 0943 to notify DNR that the refinery was experiencing a SO2 exceedance episode from their sulfur plant. Exceedances were noted by the sulfur plant CEM at 0300 0/26/01 and were continuing. The sulfur plant was operating in abatement mode (reduced throughput) in an attempt to minimize emissions at the time of Lundmark's call. The refinery suspected that oil was getting to the sulfur plant incinerator somehow and causing a fire in the stack. In addition to notifying DNR, Murphy Oil had called local 911 to alert local agencies. Lundmark said the CEM SO2 readings were very high and there was a sulfur odor in the air. I told Lundmark to concentrate on containment, then control, and to communicate more details of the episode to me later in the day once the situation was in control and she had a better handle of what occurred. I told Lundmark I would notify DNR Madison air staff. I also alerted our local warden and spill responder so they were prepped in case we got calls or the situation escalated. I filled out a State of Wisconsin Substance Release Notification Form 4400-91 and submitted a copy to DNR spill coordinator Jim Hosch for his records.

3/26/01 1100 I went to the refinery to size up the situation and see if Murphy needed any help from DNR. I met with Lundmark who said the situation was controlled and exceedances were no longer occurring. The sulfur plant was operating in normal ranges and the CEM was reporting SO2 readings in normal range of around 5500ppm. Lundmark showed me instantaneous CEM readings on her computer screen to verify that belief. Lundmark's preliminary description of what occurred was:

- a CEM technician was called in as soon as SO2 exceedances were noted, thinking that there may have been a problem with the CEM unit.
- the technician noticed the stack temperature was very hot.
- refinery staff concluded they maybe were getting liquid hydrocarbon carry over to the sulfur plant reactor and they had a fire in the stack.
- around 0550 refinery staff put the sulfur plant into abatement mode to attempt to gain control of the situation.

Lundmark indicated there was a noticeable plume while the episode was occurring and that the CEM pegged out at 30,000 ppm.

Lundmark will produce a detailed report and submit it to me indicating what happened, what the refinery did to correct the situation, refinery logs showing the CEM continuous readings, calculations of total SO2 emitted and the basis for those calculations, any follow-up actions Murphy intends to take,...etc. Lunmark will try to have her report ready to review with me on 3/29/01 when I plan to also meet with her to discuss Murphy Oil's proposed WWTP sludge centrifuge relocation project. I told Lundmark that I probably will need to generate an enforcement letter as the result of this episode.

Compliance	<input checked="" type="checkbox"/> Information/Document Requested	Maintenance Requested	Violation Detected
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Facility Action/Response:

Detailed report of the episode to be submitted to DNR (Bob Gothblad).

DNR Follow-up:

Pending review of Murphy Oil's detailed report on the episode.

Issued by: Robert C. Gothblad

3/26/01

Signature

Date