State of Wisconsin Substance Release Notification Form

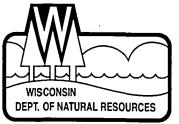
24-Hour Emergency Hotline Number: 1-800-943-0003

PLEASE PRINT Form 4400-91 Rev. 2-99

Date and Mil. Time of Incident 16 oct 01  Date and Mil. Time Reported 3 - 4:00 pm 16 Oct 01					
Person Reporting/Representing			Phone # (7	Phone # (715) 398 - 8434	
Responsible Party/Spiller  Murphy Oil				Phone # (115) 398-8434	
Contact Name				115) 398-8434	
Address 2407 Stinson Ave			City, State,	City, State, Zip Code Superior, WI 54880	
Substance Involved Amount & Units Released			Amount Re	Amount Recovered	
Solid Semisolid Liquid Gas Color			Odo	Odor	
Exact Location (inc. address, facility name, mileage, bldg. #, etc.)					
City Superior	County		Lat/long		
DNR Region	1/41/4secN	R(E/W)	Weather Cond.	<b>经验验</b> 医多类性	
Cause of Incident  Crack in the Saddle of a high pressure receive Mono Taken By Spiller:  No Action Taken  No Action Needed  Monitor					
Spilled Substance Impact To: Check (√) all that apply:	Spill Source:  Transportation Accident, Fuel 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 Has an evacuation occurred? Yes No Potential? Yes No				
Are there any resource damages? Yes No Potential What kinds?					
Other Agencies Notified (√ first column  ☐ Fire Department ☐ Local Law Enforcement ☐ LEPC or Local Emer. Mgt. ☐ Level A/Level B Team ☐	/	s if on the scene  EPA  Nat'l Resp.	Ctr. 800-442-880	Incident Commander, if known:  Phone:	
Prepared By: (Print)	(Phone) 215-365-	8963 Dat	te:	Rpt'd to DATCP? Yes No	
Person Notified:			te: 16 oct 01	Time: 32 4:00 Pm	
Invested By: (Print)	(Sign)		Date:	Incident Closed? Yes No	
Spill Coordinator Signoff:	Date:		rred to: ERP	NFA Letter Sent? Yes No	
Norman Dunban	6 Den 0)	DATCE Case #	P Date:	Spill Packet Sent? Yes To:  Additional Comments on Reverse	

# State of Wisconsin Substance Release Report (Con't) Form 4401-91 Rev. 2-99

Date and Military Time of Incident:	Responsible Party:
Additional Comments:	
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Casa Anti-ity Domosty Von No. CAD#.	(Diago ettech comy of all CAD and other decomposite in)
Case Activity Report: Yes No CAR#:	(Please attach copy of all CAR and other documentation)
Enforcement Action: Yes No (explain below)	



# State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Scott McCallum, Governor Darrell Bazzell, Secretary

101 S. Webster St. Box 7921 Madison, Wisconsin 53707-7921 Telephone 608-266-2621 FAX 608-267-3579 TTY 608-267-6897

December 6, 2001

Liz Lundmark Murphy Oil USA, Inc. 2407 Stinson Ave. Superior, WI 54880

Subject: LPG Release on Oct. 16, 2001 at Murphy Oil

Dear Ms. Lundmark:

I have received your response to the LPG air release on Oct. 16<sup>th</sup> and I have also discussed the matter with Dave Podratz. There has been some concern, comments, and questions if a release of LPG is a reportable spill. NR 706.07(2)(b) Wis. Adm. Code indicates that if a discharged substance presents or threatens to present a fire or explosion hazard or other safety hazard or an evacuation has occurred, the discharge shall be reported.

For any future air releases that require an evacuation, I recommend reporting the release as a spill. I also recommend reporting any liquid spills, which occur on an impervious surface, if they present a fire or explosion hazard or necessitate an evacuation. The DNR spill hotline phone number is 800-943-0003 and is on 24 hours a day. Reporting to this hotline number does not forward the call for any national response reporting requirements. Also, continue to report to the DNR Air Program any air releases they require to have reported.

If you have any questions, I can be reached at 715-365-8963.

Sincerely,

Norman Dunbar

NOR Regional Spills Coordinator

c. Ted Matheson, Asst. Fire Chief, 3326 Tower Ave., Superior, WI 54880



## Dunbar, Norman C

From:

Hosch, James A

Sent:

Monday, December 03, 2001 8:20 AM Dunbar, Norman C

To: Subject:

FW: Spill report

From:

Liz\_Lundmark@murphyoilcorp.com[SMTP:Liz\_Lundmark@murphyoilcorp.com] Friday, November 30, 2001 10:02 PM

Sent:

To:

Cc:

Hosch, James A Lee\_Vail@murphyoilcorp.com Spill report

Subject:

EL086.doc

#### Dear Jim,

Here is a written report of the release that took place on October 16th. I reported this to Bob Gothblad on that day. I will hand carry a copy to your office on Monday. The drawing referenced is not attached since I don't have access to a scanner at the moment.

(See attached file: EL086.doc)

November 30th, 2001

Mr. James Hosch Wisconsin Department of Natural Resources 1401 Tower Avenue Superior, WI 54880

RE: Reported Release of LPG

Dear Mr. Hosch:

This letter is a follow up letter under NR708.05(6)(a) regarding a release of material that was verbally reported to the WDNR on October 16<sup>th</sup>, 2001.

The release was due to a failed bridle on the high-pressure receiver (see attached drawing). The bridle developed a small hole approximately 1/8<sup>th</sup> inch in diameter. This hole allowed a release of flammable material to the air within the process unit. The response to this release was immediate. The refinery alarm was sounded and the emergency response team was activated to man fire hoses to suppress the vapors and control the release. The police department provided roadblocks along the adjacent roads as a precautionary measure. Air monitoring for Lower Explosive Limit was conducted along the adjacent roads with no detectable emissions.

This material was contained within the refinery unit and any material that was knocked down was contained on the concrete of the unit, which drains to the refinery sewer system. An investigation into the source of the corrosion that caused the incident is being conducted and the results of that investigation are to be provided to Bob Gothblad of WDNR as a follow-up to a letter written to him regarding SO2 emissions associated with this event. A copy will also be provided to you. In addition, and as a part of the incident investigation, we have undertaken to inspect lines in similar service in an effort to prevent similar occurrences.

This type of failure or malfunction is very rare. As a result of the failure we inspected other bridles in the facility that had the potential for similar failure. As a result of that inspection we found one additional bridle on the interstage receiver that had thinned to the point of concern. We curtailed operations on the FCCU and repaired that bridle on Nov 29<sup>th</sup> 2001 thus avoiding another potential release.

Because of the nature of the release (volatile organic) and the location of the release (concrete pad and air) I am requesting a "No Further Response Action" determination as outlined in NR708.09.



The type of material release was light hydrocarbon similar in nature to LPG. This material was released to the air and was contained and mitigated by the use of water spray as discussed above. The amount of material was approximately 632 pounds. The release rate was approximately 2.1 pounds per minute. The material was not detected outside the facility as determined by LEL measurements and therefor the impact to the surrounding area should be minimal.

The material was released from the hole in the line for approximately 5 hours and the immediate response to the event is discussed above. Neither this response nor the weather conditions would have resulted in accelerated migration of the material.

Due to the volatility of the material, the release mitigation efforts used, and the fact that the material, if condensed, was contained on an impervious surface, there should be no need to conduct a site investigation.

Please respond with your concurrence or denial of a no further response actions required. If you have any further questions, please do not hesitate to contact me at 398-8434.

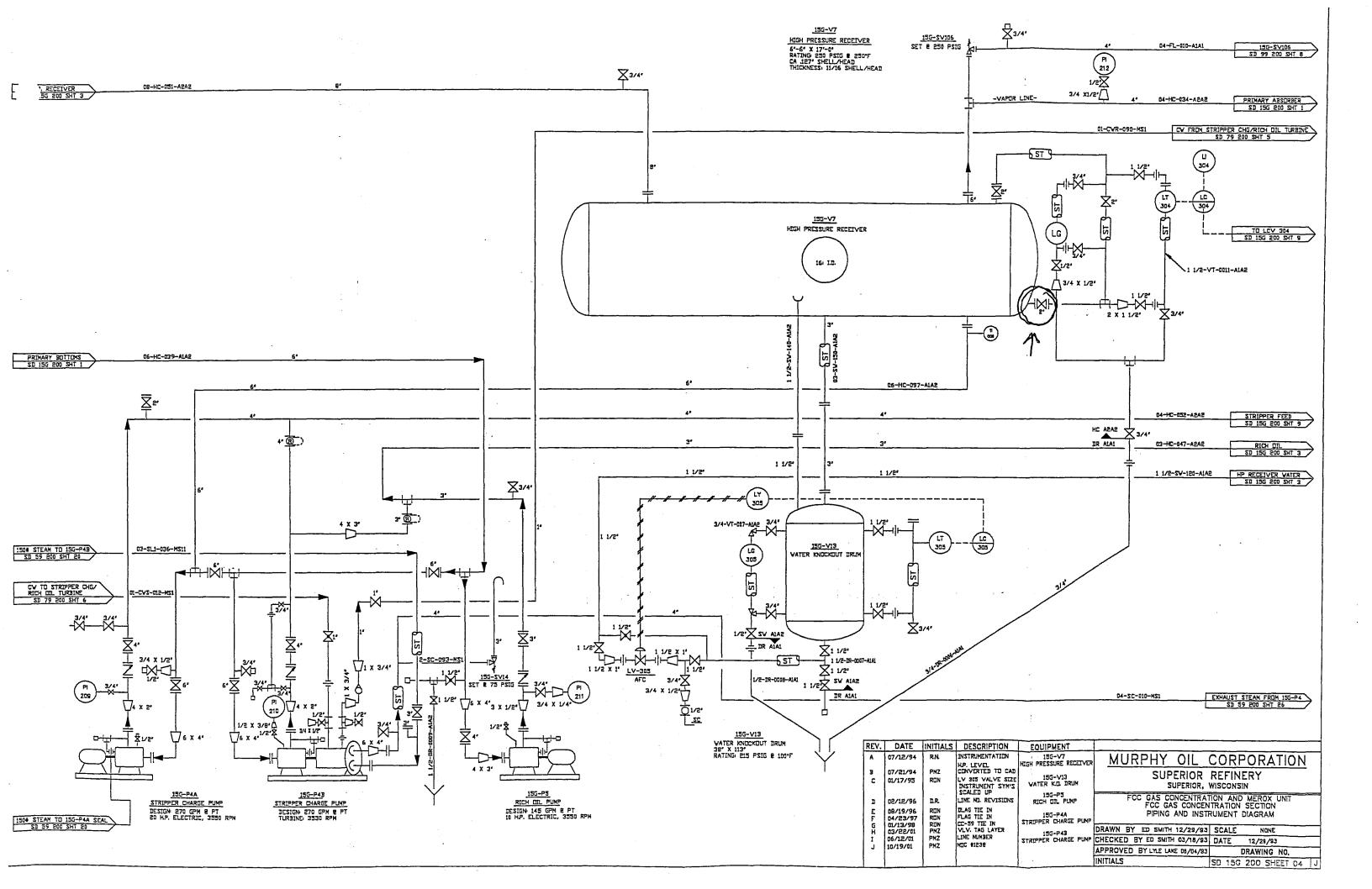
Sincerely,

lig Lundmark Liz Lundmark

Manager-Environmental and PSM

CC:

Fred Green Kevin Melnyk Jim Britt Dave Podratz Lee Vail



Murph 715-398-3533 Env. Managin traffic stopped Fire dept & DNR not called Guicolles in (NON)? NR 706-- talk to mick first before send anything

Bob Gottiblade reported

Air relicous - reportable murphy thought only to Air Program

copy to - Ted matterin -Asst Fire Chil 3326 Town Ave Superior, 54880 708.05.6? lette to Murphy re Spill reporting

Soil

#### **Dunbar, Norman C**

From:

Sent: To:

Hosch, James A Friday, November 02, 2001 9:47 AM Dunbar, Norman C; Robinson, John H. Murphy Oil Unreported Spill

Subject:

I spoke with Tad Matheson (sp.?) Asst. Fire Chief with the City of Superior. He would like a call in regards to the spill at 715-394-0227. They were quite upset that they were not contacted for this incident. He stated that they evacuated the contractors, blocked the road, and they were using deluge lines to knock down the vapors. Sounds to me like the situation was fairly serious and reportable. Let me know what you intend to do. The Assistant Chief's comment was business as usual, and that Murphy tries to keep these things as quiet as possible.

### **Dunbar, Norman C**

From: Hosch, James A

Tuesday, October 23, 2001 9:39 AM Sent:

Dunbar, Norman C To:

Robinson, John H.; Gothblad, Robert C; Baudhuin, Neal E; Holmbeck, Phyllis J; LaValley, Steven Cc:

FW: Murphy Oil Subject:

#### Norm,

Since your the Spill Guy, I will let you follow up on it. My two cents is that calls to the local office don't work after hours and emails don't work all the time either if there isn't someone to receive it. Murphy handles some very hazardous material and we cannot afford to be out of the loop. In the future, Murphy should follow NR 706.05(b) Wis. Adm. Code. I understand that the Fire Department was not happy with Murphy's lack of notification.

Just some background information you might find useful whatever you decide on follow-up. I referred Lakehead Pipeline for non-reporting a while back. They had an ongoing leak of LNG for about 4 days. I only mention this because they are located across the street from Murphy.

I also understand that Steve LaValley has referred Murphy to DOJ recently for some spill reporting violations. According to Steve, Murphy has had a long history of not reporting going back to the 1980s.

From: Gothblad, Robert C

Tuesday, October 23, 2001 9:21 AM Sent:

To: Hosch, James A Subject: FW: Murphy Oil

Jim...maybe this helps you figure out what may have been going on out Murphy way 10/16-17/01.

From:

Baudhuin, Neal E

Tuesday, October 23, 2001 8:44 AM Holmbeck, Phyllis J; Gothblad, Robert C Sent: To:

Subject: RE: Murphy Oil

How did the news media report this as a propage leak? I would have assumed they checked with Murphy. Maybe Liz can figure out how this got messed up.

From: Gothblad, Robert C

Monday, October 22, 2001 4:02 PM Holmbeck, Phyllis J; Baudhuin, Neal E Sent: To:

Gothblad, Robert C Cc: RE: Murphy Oil Subject:

Liz Lundmark called me 10/16/01 (late afternoon 3:00-4:00 l believe) to report an expected SO2 episode. They discovered a crack in the saddle of a high pressure receiver vessel. They were having to vent the vessel to flare in order to vacate the vessel so they could repair it. They were expecting a very minor (~20 # SO2) episode as a result of flaring. The problem was first noticed in the early morning and thought at first to be a steam leak but upon closer inspection they noted that they had a hydrocarbon leak. Thus they took some evacuation precautions. [Maybe this is the event folks are referring to regarding if DNR was notified]. Liz figured the tank would be depressured by 8:00 pm and the repair work would be done that evening.

I was just heading out the door and left things with the understanding that Murphy had things under control and would follow up with a detailed report as usual. I did suggest to Liz that in addition to calling me on each episode that she consider also sending a quick e-mail to at least document that they were attempting to notify DNR as soon as possible of an event, because in this particular episode we played phone tag a time or two before we were able to connect with one another.

From: Baudhuin, Neal E

Thursday, October 18, 2001 8:30 AM Sent:

Cc:

Holmbeck, Phyllis J Gothblad, Robert C

Subject:

RE: Murphy Oil

Thanks, Phyliss.

From:

Holmbeck, Phyllis J

Sent:

Wednesday, October 17, 2001 4:41 PM

To: Baudhuin, Neal E Cc: Holmbeck, Phyllis J

Subject:

FW: Murphy Oil

#### Neal

As best we can tell Murphy did not call us about the release. Jim checked with the Fire Department. They were notified after the fact when someone called them to find out why the road was blocked. Jim will do some more checking tomarrow. He will be routing the info to me and I will forward it to you. Later Phylisss

From:

Sent:

Holmbeck, Phyllis J Wednesday, October 17, 2001 2:14 PM

To: Baudhuin, Neal E Cc: Holmbeck, Phyllis J Subject: Murphy Oil

Neal

the news of TV this morning said Murphy Oil had a propane leak. The leak came from a broken pipe. The news said the plant had to be evacuated and also some of the surronding area. The news story said when Murphy checked the outside area around the plant Murphy said there wasn't any health danger.

Jim Hosch has a call into Madison to see if Murphy repored it.

**Phyliss**