

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
D&L Energy Oil Spill - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #2
D&L Energy Oil Spill
Z5M7
Youngstown, OH
Latitude: 41.1264060 Longitude: -80.7022330

To: Valencia Darby, Department of Interior
Kevin Clouse, Ohio EPA
Scott Shane, Ohio EPA
Lindy Nelson, U.S. DOI
Sam Borries, U.S. EPA
Yolanda Bouchee-Cureton, U.S. EPA
Mindy Clements, U.S. EPA
Isalee Coleman, U.S. EPA
Mark Durno, U.S. EPA
Jason El-Zein, U.S. EPA
Sherry Fielding, U.S. EPA
Charlie Gebien, U.S. EPA
John Glover, U.S. EPA
Mick Hans, U.S. EPA
John Maritote, U.S. EPA
Thomas Marks, U.S. EPA
Mike Ribordy, U.S. EPA
Carol Ropski, U.S. EPA
Joe Ulfing, U.S. EPA
USCG Fund Center, USCG
USCG PolRep Distribution, USCG
Reggie Brown, Ohio EPA
Wade Balsler, Ohio EPA
Kurt Kollar, Ohio EPA
Ellen Riley, Enforcement
Monesh Chabria, EPA

From: Jeffrey Lippert, On-Scene Coordinator

Date: 2/11/2013

Reporting Period: 2/5/2013 - 2/10/2013

1. Introduction

1.1 Background

Site Number:	Z5M7	Contract Number:	N/A
D.O. Number:	N/A	Action Memo Date:	
Response Authority:	OPA	Response Type:	Emergency
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	N/A
Mobilization Date:	2/2/2013	Start Date:	2/1/2013
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	N/A
ERNS No.:		State Notification:	Yes
FPN#:	E13505	Reimbursable Account #:	

1.1.1 Incident Category

Emergency Response

1.1.2 Site Description

The site is the location of D&L Energy. There are approximately 20 - 30 portable 22,000-gallon storage tanks on the site. Ohio EPA informed EPA that an employee of the company was deliberately discharging the contents of one of the tanks to the storm sewer during the night on 1/31/2013. The tank contained a mixture of crude oil, drilling mud, and brine.

1.1.2.1 Location

2761 Salt Springs Road, Youngstown, Ohio 44509.

1.1.2.2 Description of Threat

An employee of D&L Energy was deliberately discharging a mixture of crude oil, drilling mud, and brine to the storm sewer. The storm sewer outfalls to a small creek that flows for approximately 300 yards then into the Mahoning River. Oil was observed flowing from the storm sewer outfall, in the creek, and in the Mahoning River.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

EPA toured the site with Ohio EPA upon arrival at 0700 on 2/2/2013. EPA observed pools and pockets of oil in the Mahoning River and the creek.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

EPA is currently overseeing the RP's cleanup contractors. The contractors are establishing a dam and water removal system on the creek, near the confluence of the creek and the Mahoning River; maintaining containment boom at the mouth of the creek in the Mahoning River, agitating the creek sediment using pressurized water and other methods to liberate oil for collection and removal; removing grossly contaminated sediment using an excavator and other methods; establishing collection points for the oil along the creek; mopping up oil with absorbents, removing oil using vacuum trucks; and flushing and cleaning the storm sewer system.

2.1.2 Response Actions to Date

On 2/5/2013, EPA oversaw the installation of additional underflow dams along the creek, installation of an overflow dam on the creek to contain oiled sediment, deployment of additional absorbent boom and pads in the creek and Mahoning River, vacuum truck operations at three locations on the creek, mopping up oil with absorbents, and cleaning the storm sewer with a high pressure water jet.

On 2/6/2013, EPA oversaw the deployment of additional absorbent boom and pads in the creek and Mahoning River, vacuum truck operations on the creek, mopping up oil with absorbents, agitating the creek sediment using pressurized water to liberate oil for collection and removal, cleaning the storm

sewer with a high pressure water jet, and flushing the storm sewer with clean water.

On 2/7/2013, EPA oversaw the deployment of additional absorbent boom and pads in the creek and Mahoning River, vacuum truck operations on the creek, mopping up oil with absorbents, agitating the creek sediment using pressurized water to liberate oil for collection and removal, and cleaning the storm sewer with a high pressure water jet.

On 2/8/2013, EPA oversaw the deployment of additional containment and absorbent boom and pads in the creek and Mahoning River, vacuum truck operations on the creek, mopping up oil with absorbents, agitating the creek sediment using pressurized water to liberate oil for collection and removal, and cleaning the storm sewer with high pressure water. A storm water runoff event significantly increased the volume of water in the creek. The storm water runoff event resulted in oil and sheen escaping the creek and entering the Mahoning River. As a result of the storm water runoff event, the RP's contractors deployed additional containment boom in the Mahoning River at the mouth of the creek. Storm sewer cleaning operations were interrupted due to the storm water runoff event.

On 2/9/2013, EPA oversaw the deployment of additional absorbent boom and pads in the creek and Mahoning River, vacuum truck operations on the creek, mopping up oil with absorbents, and agitating the creek sediment using pressurized water to liberate oil for collection and removal. The RP's contractor attempted to install an aqua dam on the effluent side of the railroad culvert and use a 6-inch pump to remove the water from the creek. After three attempts, installation of the aqua was not completed. EPA identified areas on the creek with grossly contaminated sediment that need to be addressed.

On 2/10/2013, EPA oversaw the deployment of additional containment and absorbent boom and pads in the creek, vacuum truck operations on the creek, mopping up oil with absorbents, agitating the creek sediment using pressurized water and other methods to liberate oil for collection and removal, removal of grossly contaminated sediment using an excavator and other methods, and cleaning the storm sewer with high pressure water. The RP's contractor installed an aqua dam on the effluent side of the railroad culvert and began using a 6-inch pump to remove the water from the creek. The creek water is being run through a temporary treatment system before it is discharged to the Mahoning River.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

D&L Energy stated, to both the Ohio EPA OSC and the EPA OSC, that he has knowingly dumped the contents of 3 - 6 frac tanks into the storm sewer. EPA-CID and Ohio EPA law enforcement were both notified.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Oily Solid	Solid	52 cubic yards	Staged on-scene		
Oil and Water	Liquid	55,400 gallons	235505, 235504, 234578, 235357, 235300, 235359, 235327, 235336, 235293, 235292, 235330	Patriot Water Treatment, LLC.	
Oily Sediment	Solid/Sludge	24 cubic yards	Staged on-scene		
Creek Water	Liquid	60,000 gallons	NA	Settling and Filtration	Discharge to Mahoning River

2.2 Planning Section

2.2.1 Anticipated Activities

Maintain the dam and water removal system at confluence of the creek and the Mahoning River; maintain containment boom at the confluence of the creek in the Mahoning River, continue agitating the creek sediment using pressurized water and other methods to liberate oil for collection and removal; continue removing grossly contaminated sediment using an excavator and other methods; continue collecting and removing liberated oil from the creek using absorbents and vacuum trucks; establish additional sediment control and collection areas along the creek; and continue cleaning the storm sewer system.

2.2.1.1 Planned Response Activities

Continued agitation of the sediment in the creek. Continued removal of grossly contaminated sediment from the creek. Continued creek water removal treatment activities. Continued use of vacuum trucks and absorbents to collect oil from the creek. Continue cleaning of the storm sewer.

2.2.1.2 Next Steps

Transition site to Ohio EPA for long-term oversight.

2.2.2 Issues

Access to the creek is difficult due to the forested terrain. There is limited access to the storm sewer for cleaning. Additional access points will need to be established to facilitate safe cleaning operations.

2.3 Logistics Section

Not Applicable.

2.4 Finance Section

2.4.1 Narrative

An FPN for this Emergency Response was issued for \$15,000. The ceiling has been increased to \$30,000.

2.5 Other Command Staff

2.5.1 Safety Officer

TJ McFarland

2.5.2 Liaison Officer

Jeff Lippert

2.5.3 Information Officer

Francisco Arcuate

3. Participating Entities

3.1 Unified Command

Not Applicable.

3.2 Cooperating Agencies

Ohio EPA

Ohio DNR - Division of Oil and Gas

City of Youngstown

4. Personnel On Site

Sunpro and Enviroscience - 31
Heavy Duty - 9
Ohio EPA - 1
EPA - 1
START - 1

5. Definition of Terms

EPA - Environmental Protection Agency
DNR - Department of Natural Resources
NRC - National Response Center
OSC - On-Scene Coordinator
NCP - National Oil and Hazardous Substance Pollution Contingency Plan
OPA90 - Oil Pollution Act of 1990
RP - Responsible Party
FPN - Fund Project Number
START - Superfund Technical Assessment and Response Team
ERRS - Emergency and Rapid Response Service

6. Additional sources of information

6.1 Internet location of additional information/report

www.epaosc.org/dandlenergy

6.2 Reporting Schedule

Polreps will be issued as needed.

7. Situational Reference Materials

NCP
OPA90