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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: **POLREP #4**
Emergency Response Action Continues
D&L Energy Oil Spill
Z5M7
Youngstown, OH
Latitude: 41.1264060 Longitude: -80.7022330

To: Valencia Darby, Department of Interior
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From: Jeffrey Lippert, On-Scene Coordinator
Date: 2/23/2013
Reporting Period: 2-16-2013 to 2-22-2013

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
A mixture of crude oil, drilling mud, and brine was discharged to the storm sewer. The storm sewer outfalls to a small creek that flows 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 conducting the following activities: maintaining a dam, water removal and treatment in the creek at the confluence; 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 and maintaining 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 2/16/2013, EPA conducted oversight for the weekend clean-up operations. Work activities included utilizing a small crew for repairing the access road along the creek and the continued removal and deployment of absorbent boom and pads in the creek, operating pumps to divert the creek water downstream from the areas excavated within the creek, and continued operation of the water treatment system at then Mahoning River.

On 2/17/2013, EPA conducted oversight for the weekend clean-up operations. Work activities included utilizing a small crew for the removal of oil and oiled sediment in the storm sewer, continued removal and deployment of absorbent boom and pads in the creek, and the preparation of the creek for increased

water flow from the thaw of snow and ice, and the continued operation of the water treatment system at then Mahoning River confluence.

On 2/18/2013, EPA oversaw the continued removal of oil and oiled sediment from within the storm sewer system. Contractors continued vacuum truck operations at the outfall, excavating of the impacted sediments in areas upstream that are accessible for heavy equipment, operating pumps to divert the creek water downstream from work areas, and transporting oiled soil and sediment to a staging and stabilization cell. Stabilized sediment was transported to the D&L facility where it is staged for disposal. Contractors collected water and sediment samples from the Mahoning River. START conducted a second round of radiation screening along the creek and within the storm sewer, however, no reading exceeded the action level of 3 times background.

On 2/19/2013, EPA oversaw the continued removal of oil and oiled sediment from the storm sewer system. The contractor continued vacuum truck operations at the outfall and within the creek to prevent further migration of oil and the deployment of absorbent boom and pads in the creek. Excavation and other work activities ended early due to inclimate weather and high water flows from storm water runoff. Representatives from the US Army Corps of Engineers and Soil Conservation Service toured the site and provided consultation on creek restoration alternatives.

On 2/20/2013, EPA oversaw the continued removal of oil and oiled sediment from within the storm sewer system. Contractors continued vacuum truck operations at the outfall and in the creek to prevent further migration of oil. Contractors also continued excavation of oiled sediments in the creek, field screening of post excavation areas to determine the extent of excavation, operation of pumps to divert water from work areas and agitation of creek sediment using pressurized water and other methods to liberate oil for collection and removal.

On 2/21/2013, EPA oversaw the continued removal oil and oiled sediment from within the storm sewer system. The contractor continued vacuum truck operations at the outfall and within the creek to prevent migration of oil. The excavation of oiled sediment and soil from the creek was completed in areas that are accessible by heavy equipment. Remained oiled sediments will be addressed by agitating the sediment to liberate oil for collection and removal.

On 2/22/2013, EPA oversaw the installation of riprap into excavated portions of the creek, continued removal of oil and oiled sediment from within the storm sewer system, continued vacuum truck operations at the outfall and within the creek to prevent migration of remaining oil, agitation of the creek sediment using pressurized water and other methods to liberate oil for collection and removal, and the continued operation of the water treatment system at the confluence.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)
The enforcement process is underway. Enforcement will involve additional divisions within EPA. RPs include D&L Energy and Hardrock Excavating. EPA's Criminal Investigation Division is also conducting an investigation.

2.1.4 Progress Metrics
The following quantities are up-to-date as of 2/21/2013.

Waste Stream	***Medium***	***Quantity***	***Manifest #***	***Treatment***	***Disposal***
Oily Solid	Solid	95 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.	

Oil and Water	Liquid	93,527	Staged on-scene		
Oily Sediment	Solid/Sludge	709 cubic yards	Staged on-scene		
Creek Water	Liquid	780,000 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 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 and the railroad culvert. Continued removal of grossly contaminated sediment from the creek. Continued creek water removal and treatment activities. Continued use of vacuum trucks and absorbents to collect oil from the creek. Continue cleaning of the storm sewer. Begin restoration of upsteam areas of the creek.

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 and steep slopes. There is limited access to the storm sewer for cleaning. Additional access points are being 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 $150,000.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
TAT/START	$60,000.00	$40,000.00	$20,000.00	33.33%
Intramural Costs				
USEPA - Direct	$10,000.00	$5,500.00	$4,500.00	45.00%

Total Site Costs	$70,000.00	$45,500.00	$24,500.00	35.00%

* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

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
USACE

4. Personnel On Site

Sunpro and Enviroscience - 28
Heavy Duty - 12
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
USACE - United States Army Corps of Engineers

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