

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
PDC Energy Oil Spill - Removal Polrep  
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #8  
Final  
PDC Energy Oil Spill  
Z5NH  
Beverly, OH  
Latitude: 39.6159881 Longitude: -81.6669809

**To:**  
**From:** Betsy Nightingale, On-Scene Coordinator  
**Date:** 6/26/2014  
**Reporting Period:** 5/22/14-6/25/14

1. Introduction

1.1 Background

<b>Site Number:</b>	Z5NH	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	
<b>Response Authority:</b>	OPA	<b>Response Type:</b>	Emergency
<b>Response Lead:</b>	PRP	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	Non NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	5/4/2014	<b>Start Date:</b>	5/4/2014
<b>Demob Date:</b>	5/22/2014	<b>Completion Date:</b>	6/25/2014
<b>CERCLIS ID:</b>		<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>	E14519	<b>Reimbursable Account #:</b>	

1.1.1 Incident Category

Emergency Response - OPA

1.1.2 Site Description

Please see prior POLREPs.

1.1.2.1 Location

1010 Center Bend Rd  
Beverly, Morgan County, Ohio

1.1.2.2 Description of Threat

Please see prior POLREPs.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Please see prior POLREPs.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

EPA oversaw emergency response actions implemented by PDC Energy at this site between May 4 and May 21, 2014, as described in prior POLREPs. On May 21st, the bulk of the free product released to the surface waters had been collected, and EPA transitioned oversight of the ongoing cleanup to Ohio EPA according to the continuing operations plan and demobilized from the site. EPA remained available to provide additional assistance as needed, as the extent of subsurface contamination was not yet known. Over the course of the last few weeks, under Ohio EPA and Ohio DNR oversight, the drill rig was removed from the site, the drill pad surface was cleaned, the liner was inspected and removed and subsurface investigation of the pad was initiated. Some additional subsurface investigation and oil collection is still ongoing, but so far the investigation has not revealed significant previously unknown areas of contamination. On June 25th, Ohio EPA determined that the emergency phase of the cleanup is complete. Therefore, is not anticipated that EPA assistance will be needed with any further emergency response related activities resulting from this release. Ohio EPA will remain involved in the continuing subsurface investigation and in site restoration.

### 2.1.2 Response Actions to Date

Please see prior POLREPs.

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

A Notice of Federal Interest was issued to PDC Energy on 5/5/2014.

### 2.1.4 Progress Metrics

Metrics are reported for the time period in which EPA was on site overseeing the response (May 4 - May 21, 2014).

Date	Waste Stream	Medium	Amount	Units	Disposal	Treatment
5/7/2014	bagged oily waste	Solid	68	bags	x	
5/8/2014	bagged oily waste	Solid	128	bags	x	
5/9/2014	bagged oily waste	Solid	112	bags	x	
5/10/2014	bagged oily waste	Solid	506	bags	x	
5/11/2014	bagged oily waste	Solid	203	bags	x	
5/12/2014	bagged oily waste	Solid	234	bags	x	
5/13/2014	bagged oily waste	Solid	226	bags	x	
5/14/2014	bagged oily waste	Solid	114	bags	x	
5/15/2014	bagged oily waste	Solid	155	bags	x	
5/16/2014	bagged oily waste	Solid	75	bags	x	
5/17/2014	bagged oily waste	Solid	25	bags	x	
5/18/2014	bagged oily waste	Solid	208	bags	x	
5/19/2014	bagged oily waste	Solid	80	bags	x	
5/20/2014	bagged oily waste	Solid	134	bags	x	
5/8/2014	oil/fluid/water mixture	Liquid	3125	barrels	x	
5/9/2014	oil/fluid/water mixture	Liquid	1350	barrels	x	
5/10/2014	oil/fluid/water mixture	Liquid	1600	barrels	x	
5/11/2014	oil/fluid/water mixture	Liquid	312	barrels	x	
5/12/2014	oil/fluid/water mixture	Liquid	1852	barrels	x	
5/13/2014	oil/fluid/water mixture	Liquid	3808	barrels	x	
5/14/2014	oil/fluid/water mixture	Liquid	1401	barrels	x	
5/17/2014	oil/fluid/water mixture	Liquid	355	barrels	x	
5/20/2014	oil/fluid/water mixture	Liquid	2870	barrels	x	
5/7/2014	contaminated soil	Solid	6	yards	x	
5/8/2014	contaminated soil	Solid	16	yards	x	
5/17/2014	contaminated soil	Solid	1	yards	x	
5/18/2014	contaminated soil	Solid	20	yards	x	
5/19/2014	contaminated soil	Solid	15	yards	x	

<b>Totals</b>	<b>bagged oily waste</b>	<b>2268bags</b>	
	<b>oil/fluid/water</b>	<b>16673bbls</b>	<b>700266gallons</b>
	<b>mixture</b>		
	<b>contaminated soil</b>	<b>58yards</b>	

Regional Metrics		
This is an Integrated River Assessment. The numbers should overlap.	Miles of river systems cleaned and/or restored	Approx. 1/2 mile
	Cubic yards of contaminated sediments removed and/or capped	Approx. 58
	Gallons of oil/water recovered	Approx. 700266 gallons of mixed fluid
	Acres of soil/sediment cleaned up in floodplains and riverbanks	Approx. 1/2 acre of sediment
Stand Alone Assessment	Number of contaminated residential yards cleaned up	2
	Number of workers on site	Approximate average 100 per day over course of response
Contaminant(s) of	Oil	

Concern		
Oil response Tracking		
Estimated volume	Initial amount released	Approx. 15,372 gallons
	Final amount collected	Approx. 700,266 gallons of mixed fluid
CANAPS Info	FPN Ceiling Amount	\$133,000
	FPN Number	E14519
	Body of Water affected	Unnamed creek and Cow Run Creek (tributaries to Olive Green Creek, Muskingum River)
Administrative and Logistical Factors (Check X where applicable)		
x Precedent-Setting HQ Consultations (e.g., fracking, asbestos)	Community challenges or high involvement	Radiological
x More than one PRP	Endangered Species Act / Essential Fish Habitat issues	Explosives
AOC	Historic preservation issues	x Residential impacts
UAO	NPL site	x Relocation
DOJ involved	x Remote location	Drinking water impacted
Criminal Investigation Division involved	Extreme weather or abnormal field season	Environmental justice
Tribal consultation or coordination or other issues	Congressional involvement	High media interest
Statutory Exemption for \$2 Million	Statutory Exemption for 1 Year	Active fire present
Hazmat Entry Conducted – Level A, B or C	x Incident or Unified Command established	Actual air release (not threatened)

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

No further EPA response activities are anticipated.

#### 2.2.1.1 Planned Response Activities

An after action review is tentatively planned for response participants.

#### 2.2.1.2 Next Steps

#### 2.2.2 Issues

## 2.3 Logistics Section

No information available at this time.

## 2.4 Finance Section

No information available at this time.

## 2.5 Other Command Staff

No information available at this time.

### 3. Participating Entities

#### 3.1 Unified Command

EPA, Ohio EPA, PDC Energy

#### 3.2 Cooperating Agencies

Ohio Department of Natural Resources

US Coast Guard (2 members of the USCG Strike Teams arrived on site on May 12 to assist with clean up oversight, and remained onsite through May 19th.)

National Weather Service (NWS provided detailed forecasts, quantities of rainfall predicted and received, and river flow information every 8 hours or more often if necessary via email. NWS also provided radio alerts of incoming severe weather.)

US Fish & Wildlife Service

### 4. Personnel On Site

No information available at this time.

### 5. Definition of Terms

ATSDR	Agency for Toxic Substances and Disease Registry
BZ	Breathing Zone
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
DNR	Department of Natural Resources
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System
ERRS	Emergency and Rapid Response Service
NG/M <sup>3</sup>	nanograms per cubic meter
NCP	National Oil and Hazardous Substance Pollution Contingency Plan
NOAA	National Oceanic and Atmospheric Administration
NPL	National Priorities List
NRC	National Response Center
OEPA	Ohio Environmental Protection Agency
ODH	Ohio Department of Health
OSC	On Scene Coordinator
PPE	Personal Protective Equipment
PPM	Parts per million
RCRIS	Resource Conservation and Recovery Act Information System
RP	Responsible Party
RRT	Regional Response Team
START	Superfund Technical Assessment and Response Team
US FWS	United States Fish and Wildlife Service
USCG	United States Coast Guard

### 6. Additional sources of information

#### 6.1 Internet location of additional information/report

[www.epaosc.org/PDCEnergyBeverly](http://www.epaosc.org/PDCEnergyBeverly)

#### 6.2 Reporting Schedule

No further POLREPs are anticipated.

### 7. Situational Reference Materials

No information available at this time.