

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Olympic Oil Spill Cicero IL - Removal Polrep
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #1
Initial Pollution Report
Olympic Oil Spill Cicero IL
Z5OB
Cicero, IL
Latitude: 41.8174327 Longitude: -87.7467942

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From: Anita L. Boseman, On-Scene Coordinator
Date: 8/25/2014
Reporting Period: 8/22/14-8/29/14

1. Introduction

1.1 Background

Site Number:	Z5OB	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	OPA	Response Type:	Emergency
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	8/22/2014	Start Date:	8/22/2014
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:	1093081	State Notification:	Yes
FPN#:	E14539	Reimbursable Account #:	

1.1.1 Incident Category

Emergency Response

1.1.2 Site Description

The site is located in an industrial area in Cicero, IL. An unknown amount of petroleum has leaked into the Chicago Sanitary Canal from the Olympic Oil Site. A petroleum sheen is contained in an area that covers approximately 200 feet of the canal that is approximately 100 feet wide.

1.1.2.1 Location

5000 W. 41st Street,
Cicero, IL

1.1.2.2 Description of Threat

On August 22, 2014, the US Coast Guard conducted an inspection of the site, contacted EPA regarding an unknown petroleum sheen in the Chicago Sanitary and Ship Canal.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The area where the sheen was observed was boomed using containment booms by the time EPA arrived on-site. The spill is contained in approximately 200 feet of the canal that is approximately 100 feet wide, and a sheen covers its surface in approximately 50-75% of this area. The source of the sheen was unknown upon the arrival of EPA.

During the Preliminary Removal Site Inspection, EPA found the site to be poorly maintained with evidence of several compromised containment areas. An impoundment area was observed to be nearly full containing an oily sludge material floating atop several feet of water. South of the impoundment area, EPA observed severe staining of gravel beneath several oil transfer lines. Evidence of severe staining was also observed in the gravel north of the impoundment between the impoundment and retaining wall at the canal's edge.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

On Friday, August 22, 2014, EPA was notified by the US Coast Guard regarding an unknown petroleum sheen in the Chicago Sanitary Canal, presumably coming from the Olympic Oil Site. EPA Mobilized the Superfund Technical Assessment and Response Team (START) to provide support with the inspection and sampling. START collected nine total samples of water and free product, which were sent to the US Coast Guard analytical laboratory for fingerprint analyses. Clean Harbors whom was contracted by the responsible party (RP) arrived on-site started skimming the oily sludge material from atop the water in the impoundment area.

Saturday, August 23, 2014, Clean Harbors continued to skim the impoundment area. As of Saturday evening, approximately 1700 gallons of the oily sludge material had been removed from the impoundment area, and pumped into six 275-gallon totes for disposal off-site.

Monday, August 25, 2014: The RP continued removing the oily sludge material from the containment area. Following a storm during the afternoon, EPA and START observed the oil to be flowing through the gravel beneath the transfer lines and down the hill into the containment area. Three additional free-product samples were collected to be sent to the Coast Guard Analytical Laboratory for fingerprint analysis. ERM, the consultant for the RP, and the RP developed a step-by-step approach to the remediation. The steps are as follows: 1) Gauge the monitoring wells in the courtyard area to check for the presence of free product, 2) Assess the truck rack piping to try and locate a source for the oil release, 3) Pressure-test the pipelines, 4) Find a contractor to conduct a deep cleaning of the truck rack, 5) Find a contractor to fix the truck rack if a source for the release is found, 6) Remove water from the containment area, 7) Clean the containment area, 8) maintain the booms and make sure no oil is allowed to escape, 9) Research into ways to clean the severely impacted soil and gravel beneath the transfer lines, 10) Attempt to thoroughly investigate the sewer system to see if it is acting as a conduit for the contamination, 11) Continue to pull water from the temporary sump. Despite the RP indicating that tanker trucks were en route to begin pumping out the containment area, trucks never arrived, and the RP indicated they would arrive early Tuesday morning. Prior to leaving for the evening, START observed the RP finding a potential breach in the containment area.

Tuesday, August 26, 2014: Contractors for the RP started using vac trucks to remove water from the containment area. Three vac trucks (1-3,500-gallon, and 2-5,000-gallon) were brought to start remove water. A 20,000-gallon frac tank was then brought in by the PRP to pump liquid from the containment area into the Metropolitan Water Reclamation District of Greater Chicago (MWRD) was contacted by IEPA to inquire as to whether they had been informed of the release. Since they had not been informed, a representative from the MWRD came to inspect the site, and document violations. IEPA also informed EPA that they would be filing a Section 43 Order against Olympic Oil. START oversaw Olympic Oil's consultant, ERM, checking monitoring wells for evidence of free product. The oil water interface probe did not indicate the presence of free product in any of the monitoring wells; however, the probe exhibited a petroleum odor when removed from the monitoring well in the vicinity of the truck stack. Prior to leaving the site, the frac tank was full, and the containment area only had approximately 10,000 gallons remaining. Representatives from Olympic Oil indicated that vac trucks would pump water from the frac tank to empty it, so pumping of the containment area could be continued.

Wednesday, August 27, 2014: Contractors for the RP continued to clean the containment area. Trenches were dug to facilitate movement water to the pump. Up to this point 36,400 gal have been removed from the containment area and 1360 gal have been removed from the sump pump area between the containment wall and the bank of the canal. A meeting was held with IEPA, SET, ERM, EPA, START, and Delta where a plan of action was discussed: 1. Remove water and free product from containment area 2. Clean truck rack area in order to prevent more contamination going downhill during a rain event 3. Remove stained gravel from the hill 4. Remove surface layer of contamination from containment area. 5. Instal berm around truck vac area to prevent surface water runoff 6. Pressure testing on pipes in truck area 7. Perform sweeps with the boom in the canal.

MWRD came to site and are concerned with Olympic violating the terms of the lease.

Thursday, August 28, 2014: Contractors for the RP began removal of contaminated gravel/stone from truck rack, slope, and containment area. A Hurricane 555 vacuum was brought on site to remove contaminated gravel from truck rack and slope area. A berm of sand bags was put around the truck rack area to prevent run off water as well as clean crushed stone to absorb any additional run off. Richards Excavation was brought in to excavate the surface of the containment area. SET continued to vacuum free product in the

containment area as well as run the sump pump between the containment wall and the bank. The manhole in the containment area was inspected and product was observed inside the sewer, the plan is to clean the whole system out to ensure no product release in the future. SET applied a detergent and power washed the truck rack area, this allowed a closer inspection of the area to pinpoint the potential source of the spill. As the SET crew was power washing the truck rack area and water built up in the sump a flow was observed going down the hill. The sump appears to be the likely source, it was pumped out and holes and major rust were observed.

Friday, August 29, 2014: Contractors for the RP continues removal activities on the slope and in the containment area. They also began to vacuum out the manholes with observed contamination. The roll-off was moved closer to the containment area to speed up progress. Oil sheen was observed in the boom area in the morning following the previous nights rain. Kent from the RP did a boom sweep to clean the area. Clay was observed underneath the rock/gravel in the containment area and the contamination appears to be confined above the clay layer. The sump in the truck rack area was lined with plastic and filled with sand and then capped with cement to prevent any more run off from traveling down the slope. The slope was excavated along with the wood wall at the bottom where contamination had occurred. The sump pump area between the containment wall and the bank was dug out and then covered in plastic to prevent rain water from filling the void

2.1.2 Response Actions to Date

Based on the threat to navigable water, EPA determined that a clean up action was needed. The RP agreed to complete the cleanup, under EPA oversight. The RP contracted and mobilized Clean Harbors to the site, OSC Boseman and START personnel are observing the on-going cleanup activities.

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

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Non-RCRA regulated Non-DOT hazardous material Illinois Special Waste (8-26-2014) Oil/Water Mix	Water	5000 Gal	012902046JJK		Advanced Waste SVCS-Chemworks II
NOT D.O.T Regulated Materials (8-26-2014) Oil/Water Mix	Water	5800 Gal	14189		Beaver Oil CO. INC.
Non Hazardous NON D.O.T regulated liquid (8-26-2014) Oil/Water Mix	Water	1800 Gal	005329505FLE		Advanced Waste SVCS-Chemworks II
NOT D.O.T Regulated Materials (8-26-2014) Oil/Water Mix	Water	5400 Gal	14190		Beaver Oil CO. INC.
Non-Hazardous Liquid Waste Non-Regulated by DOT (8-26-2014) Oil/Water Mix	Water	6200 Gal	012463101JJK		Ortek Inc.
Non-Hazardous Liquid Waste Non-Regulated by DOT (8-26-2014) Oil/Water Mix	Water	6000 Gal	013330538JJK		Ortek Inc.
Non-Hazardous Liquid Waste Non-Regulated by DOT (8-27-2014) Oil/Water Mix	Water	2500 Gal	013331492JJK		Ortek Inc.
Not D.O.T regulated materials (8-27-2014) Oil/Water Mix	Water	3300 Gal	14191		Beaver Oil CO. INC.

2.2 Planning Section

2.2.1 Anticipated Activities

EPA and START will continue to oversee the cleanup activities conducted by the RP and their contractors.

2.2.1.1 Planned Response Activities

EPA and START will continue to oversee the cleanup activities conducted by the RP and their contractors.

2.2.1.2 Next Steps

No information is available at this time

2.2.2 Issues

No information is available at this time.

2.3 Logistics Section

No information is available at this time.

2.4 Finance Section

No Information available at this time

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
TAT/START	\$20,000.00	\$7,883.00	\$12,117.00	60.59%
Intramural Costs				
Total Site Costs	\$20,000.00	\$7,883.00	\$12,117.00	60.59%

* 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

No Information available at this time

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

US EPA
IEPA
MWRD

4. Personnel On Site

EPA - 1
START - 2
IEPA - 2
MWRD - 1
Olympic Oil - 3
ERM - 5
Clean Harbors - 3
SET Environmental - 5

5. Definition of Terms

EPA - United States Environmental Protection Agency
IEPA - Illinois Environmental Protection Agency
RP - Responsible Party
START - Superfund Technical Assessment and Response Team

6. Additional sources of information

6.1 Internet location of additional information/report

No Information available at this time

6.2 Reporting Schedule

No Information available at this time.

7. Situational Reference Materials

No information available at this time