

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: **POLREP #2**
Final
Sylvan Slough Oil Spill
05C0
Rock Island, IL
Latitude: 41.5094771 Longitude: -90.5787476

To: Jaime Brown, U.S. EPA
Charlie Gebien, U.S. EPA
Sam Borries, U.S. EPA
Jason El-Zein, U.S. EPA
Mark Durno, U.S. EPA
Mick Hans, U.S. EPA
Cecilia Moore, U.S. EPA
John Glover, U.S. EPA
Sherry Fielding, U.S. EPA
Ellen Riley, U.S. EPA
Phillippa Cannon, U.S. EPA
Valencia Darby, Department of Interior
Bruce Everetts, Illinois EPA
Eric Ackerman, IL EPA
Carol Ropski, U.S. EPA

From: Anita L. Boseman, On-Scene Coordinator
Date: 4/27/2017
Reporting Period: December 2, 2012 - December 8, 2016

1. Introduction

1.1 Background

Site Number:	05C0	Contract Number:	NA
D.O. Number:	NA	Action Memo Date:	
Response Authority:	OPA	Response Type:	Emergency
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	11/29/2012	Start Date:	11/29/2012
Demob Date:	7/2/2013	Completion Date:	12/8/2016
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	IL EPA
FPN#:	Z5PA - E15501	Reimbursable Account #:	

1.1.1 Incident Category

Emergency Response

1.1.2 Site Description

A sheen was observed on the Sylvan Slough, a tributary to the Mississippi River. The sheen was about 20 feet and 20 feet wide.

1.1.2.1 Location

Sylvan Slough along Sylvan Drive between 32nd and 34th Street, Rock Island, Rock Island County IL.

1.1.2.2 Description of Threat

The release of oil into the Mississippi River.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Result

The Antea Group observed the oil sheen and applied a containment skirt boom and absorbent boom. OSC Anita L. Boseman arrived on site and verified the oil sheen on the Sylvan Slough being released from a sewer outfall pipe.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

From December 10 through 18, 2012, the removal activities commenced at the location of the failed bladder including cleaning and resealing of the outfall pipe. Enviromark Waste Management Services from Davenport, Iowa continued to perform the cleanup activities as directed by the Antea Group. A containment cell was constructed around the area of the outfall pipe for collection of any fluid coming from the pipe during the cleanup.

Impacted soil was excavated from around the outfall pipe to allow access and determine the pipe dimensions. Also, a hole was drilled in the top of the pipe to continue evaluation inside the pipe. This exposed the pneumatic bladder in the end of the pipe. The bladder had deflated which allowed the release of residual oil to leak into the slough. The bladder was installed by Geraghty & Miller to prevent oil from discharging into the slough during the 1993 response activities. The failed bladder was removed and the oil contents was vacuum from the pipe. The pipe was then jet rinsed with water and the contents (oil, water, & debris) were collected with a vacuum truck. Concrete was pumped into the pipe upstream to approximately 25 feet to prevent oil leaking into the slough. Residual oil both from the pipe & shoreline soils below the water levels caused a sheen inside the boom. Both oil & soil waste were collected analyzed & disposed of at Enviromark's Facility. Impacted sediment on the shoreline was removed to the degree practicable with the river conditions.

In December, the slough was inspected daily. On December 31, 2012, the booms were removed from the Sylvan Slough, since the water was beginning to freeze.

Antea Group monitored the Sylvan Slough for sheens biweekly in January and then weekly through June, 2013. Sheens were observed intermittently in the outfall area and were attributed to trace oil being release from the sediment.

On February 21, 2013, EPA OSC Boseman, Antea Group (Gabriel Posteuca, Corey Mecham and Brent Puck), and Navistar (Jack Shih) met at the site to observe the completed removal action.

Also, per the 1994 AOC, monthly progress reports were submitted during this time period.

On July 2, 2013, EPA OSC Boseman met Antea Group & Navistar (Jack Shih) at the Site to observe the Site conditions & discuss the next steps to close the 1994 AOC. Site closure & decommission of remediation system commenced.

Antea Group, submitted a Final Report (dated September 3, 2013) per the 1994 AOC. EPA provided comments on the Final Report. A revised Final Report was submitted to EPA dated April 13, 2016.

On December 8, 2016, EPA emailed a Completion of Work under Administrative Order on Consent (AOC); Docket No. V-W-94-C-242 for the property located at 3000 – 3500 Fifth Avenue, Rock Island, Illinois, adjacent to the Sylvan Slough, a branch of the Mississippi River, to the Parties of the Order. The letter states the detailed terms per the AOC for completion of work.

2.1.2 Response Actions to Date

- Containment skirt boom has been applied and maintained.
- Absorbent boom has been applied and maintained.
- City of Rock Island in cooperation with USCG and the Antea Group has GPS the area of the release including pipelines, sewers and outfalls. They were unable to locate a direct connection to the release at the sewer outfall. A map was provided of the GPS area.
- Installed and anchored a river skirt boom in addition to absorbent boom.
- Antea Group continued to monitor and maintain boom until a plan of removal was implemented.
- USCG has collected a sample at the sewer outfall.
- Antea Group collected a sample from the sewer outfall and MW 24 for analyses.
- The Antea Group had Enviromark, cleanup contractor on scene to provide a cost estimate for the cleanup activities; remove oil, construct a containment wall, remove the bladder, and install a permanent seal.
- Removed failed bladder from the sewer outfall pipe.
- Construction of a containment cell around the area of the pipe for collection of any oily fluid from the sewer outfall pipe.
- Removed impacted soil & oil from pipe.
- Flushed & filled pipe with concrete pipe.
- Monitored the Sylvan Slough for sheens.
- Removed boom from the slough.
- Continued to submit progress reports.
- Commenced site closure procedures & decommission of remediation system.
- Submitted Final Report.

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

Currently, BNR (BNSF), Navistar and Whirlpool are addressing the release.

2.1.4 Progress Metrics

Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal
non USDOT/USEPA regulated oily waste water	water	6721 gallons	007987753JJK 007987754JJK	Enviromark Corp., Davenport, IA	
non USDOT/USEPA regulated waste water	water	2.02 tons tanker	007987752JJK	Enviromark Corp., Davenport, IA	
petroleum impacted silt/sand/mud	soil	200 gallons roll-off	007987748JJK		Scott County Landfill, Davenport, IA

petroleum impacted boom/pad/PPE		5 drums	007987747JJK		Scott County Landfill, Davenport, IA
petroleum impacted boom/pad/PPE		5 drums	007987745JJK		Scott County Landfill, Davenport, IA

2.2 Planning Section

Regional Metrics

This is an Integrated River Assessment. The numbers should overlap.	Miles of river systems cleaned and/or restored	NA
	Cubic yards of contaminated sediments removed and/or capped	NA
	Gallons of oil/water recovered	NA
	Acres of soil/sediment cleaned up in floodplains and riverbanks	NA
Stand Alone Assessment	Number of contaminated residential yards cleaned up	NA
Contaminant(s) of Concern	Number of workers on site	NA
	Petroleum	

Oil Response Tracking

Estimated volume	Initial amount released	unknown
	Final amount collected	2,063 gallons
	FPN Ceiling Amount	\$50,000
CANAPS Info	FPN Number	Z5PA-E15501
	Body of Water affected	Sylvan Slough

Administrative and Logistical Factors (Place X where applicable)

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
X AOC	Historic preservation issues	Residential impacts
UAO	NPL site	Relocation
DOJ involved	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	Incident or Unified Command established	Actual air release (not threatened)

Green Metrics

Metric	Amount	Units
Diesel Fuel Used	NA	gallons
Unleaded Fuel Used	NA	gallons
Alternative/E-85 Fuel Used	NA	gallons
Electricity from electric company	NA	kWh
Electric Company Name and Account #	NA	
Electricity from sources other than the electric company	NA	kWh
Solid waste reused	NA	
Solid waste recycled	NA	enter
Water Used	NA	gallons

2.2.1 Anticipated Activities

None

2.2.1.1 Planned Response Activities

None

2.2.1.2 Next Steps

-Complete Site closure

2.2.2 Issues

None

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

2.4.1 Narrative

Neither ERRS not START were deployed.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

USEPA

USCG

City of Rock Island

IL EPA

4. Personnel On Site

USEPA - 1

USCG - varied

City of Rock Island - varied

Antea Group - varied

EnviroMark - varied

Navistar - 1

5. Definition of Terms

AOC - Administrative Order of Consent

BNR - Burlington Northern Railroad

BNSF - Burlington Northern Santa Fe

ERRS - Emergency and Rapid Response Services

MSD - Marine Safety Detachment

OSTLF - Oil Spill Liability Trust Fund

START - Superfund Technical Assessment Response Team

USEPA - United States Environmental Protection Agency

USCG - United States Coast Guard

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.

POLREP #2 Last Updated 10/13/2017