

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
DesPlaines River Mystery Oil Spill - E12522 - Removal Polrep
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #1
Initial and Final
DesPlaines River Mystery Oil Spill - E12522
Z5LQ
Joliet, IL
Latitude: 41.5144370 Longitude: -88.0912470

To:
From: Anita L. Boseman, OSC
Date: 9/25/2012
Reporting Period: 6/27/12 to 6/29/12

1. Introduction

1.1 Background

Site Number:	Z5LQ	Contract Number:	EP-S5-09-05
D.O. Number:	0104	Action Memo Date:	
Response Authority:	OPA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	6/27/2012	Start Date:	6/27/2012
Demob Date:	6/29/2012	Completion Date:	8/1/2012
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:	E12522	Reimbursable Account #:	

1.1.1 Incident Category

Emergency Response

1.1.2 Site Description

This sheen was identified on the Des Plaines River near mile marker 287 between the Brandon St. Locks and the Lockport Locks. Large amounts of weathered oil accumulated on the west side of the river near the Ozinga Concrete and Illinois Marine Towing facilities.

1.1.2.1 Location

Des Plaines River near mile marker 287.

1.1.2.2 Description of Threat

The release of petroleum products into the Des Plaines River

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

OSC Boseman and Hassan arrived on site 8:45 am CST on June 27, 2012 and identified a large oil sheen near the Ozinga Concrete facility extending north to the Cass St. Bridge. Significant amount had accumulated in between moored barges at the Ozinga facility and around a permanently moored tug at Illinois Marine Towing facility immediately to the north of the Ozinga property.

ERRS was mobilized to the site to set up containment boom and remove the oil identified between the barges and tug.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

At approximately 6:00 am CST on June 27, 2012, the NRC received a report of an unknown amount of oil near mile marker 287 on the Illinois River. On Scene Coordinators (OSC) Anita Boseman and Jacob Hassan responded to NRC Report # 1015844 and arrived at the Ozinga Concrete facility (near mile marker 287) around 8:45 am CST. After arriving on site, the OSCs determined that the spill had occurred on the Des Plaines River and not the Illinois River. An initial assessment was performed along the west side of the

river just north of the I-80 over pass where a significant amount of oil was observed by worker at the Ozinga Concrete facility. A large amount of weathered oil was found between the barges moored at the Ozinga facility and at the neighboring Illinois Marine Towing facility with a sheen extending north to the Cass Street Bridge.

ERRS contractors were mobilized to the site and arrived on scene at approximately 12:30 PM to deploy containment and sorbent boom and to assist with investigation activities. EPA and the ERRS contractor initiated an investigation to identify the source of the release; however, no source could be identified.

USEPA responded to a similar report of sheen in the same location during the winter of 2012. In order to help identify the product and possibly the source, OSCs Boseman and Hassan collected 2 samples of the sheen/oil, one sample will be sent to the United States Coast Guard (USCG) laboratory for fingerprint analysis, the other sample will be analyzed for oil categorization and disposal parameters at a local laboratory. Also, EPA conducted interviews with workers from the Illinois Department of Transportation (bridge operators), Illinois Marine Towing, Ozinga Concrete and United States Army Corp of Engineers to assist in identifying a source. All four entities indicated that there has been an increase in the amount of oil, they've observed on the river in the last 6 to 12 months. Moreover, the oil has been seen as far north as the Rudy St Bridge in Joliet, IL.

Based on the initial site assessment, the initial response efforts focused on deploying containment boom around a permanently moored tug near the Illinois Marine Towing company and deploying sorbent boom in between the barges at the Ozinga property. Due to the amount of oil and its location on the river, clean-up efforts began up river at the Illinois Marine Towing facility. The ERRS contractor primarily used pom poms and absorbent boom to collect the oil contained within the boom. Once the clean-up was completed at the Marine Towing facility, the response efforts moved to the Ozinga property to remove the oil trapped between the barges. Using pom poms and sorbent boom the ERRS contractor was able to remove a significant amount of oil from between the barges.

The ERRS contractor demobilized from the site on June 29th. All the waste generated from the clean-up efforts was placed in a 20 yard roll-off box for disposal. A waste profile is being generated.

Overall, the clean-up efforts took two and a half days to complete.

On July 3, 2012, OSC Boseman received the Oil Sample Analysis Report from the Marine Safety Laboratory that identified the sample as containing lubricating oil.

On August 1, 2012, OSC Boseman met the ERRS contractor onsite for transport of 20 yard rolloff box containing Spent Oil Absorbents, Pads and PPE to Countryside Landfill, Grayslake, IL.

2.1.2 Response Actions to Date

Here is a list of actions to date:

- Identified oil collection and booming points
- Deployed containment and sorbent boom at the Illinois Marine Towing facility
- Deployed sorbent boom at the Ozinga Concrete facility
- Completed oil collection efforts
- Removal of contaminated sorbent boom and pom poms into roll-off box
- Took samples for DRO, GRO, waste profiling and fingerprinting
- Demobilization of ERRS from site

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

The source of the release was not identified

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Waste Oil	Spent Oil Absorbents	1- 20 yd roll off box	Ticket # 597822	Countryside Landfill	Waste Management, Grayslake, IL

R5 Priorities Summary

This is an Integrated River Assessment. The numbers should overlap.	Miles of river systems cleaned and/or restored	1
	Cubic yards of contaminated sediments removed and/or capped	0
	Gallons of oil/water recovered	300
	Acres of soil/sediment cleaned up in floodplains and riverbanks	0
Stand Alone	Acres Protected	0
	Number of contaminated residential yards cleaned up	0

Assessment	Human Health Exposures Avoided	0
	Number of workers on site	6
Contaminant of Concern		
Contaminant(s) of Concern	Unknown Waste Oil containing Lubricating Oil	

2.2 Planning Section

2.2.1 Anticipated Activities

None

2.2.1.1 Planned Response Activities

None

2.2.1.2 Next Steps

None

2.2.2 Issues

None

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

3.2 Cooperating Agencies

USEPA
ERRS

4. Personnel On Site

USEPA - 2
ERRS - 4

5. Definition of Terms

ERRS - Emergency and Rapid Reponse Services
USACE - United State Army Corp of Engineers
OSC - On-Scene Coordinator

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.