

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Lion Oil Magnolia Spill (FPN E13610) - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region VI

**Subject:** POLREP #2  
Progress  
Lion Oil Magnolia Spill (FPN E13610)  
Magnolia, AR  
Latitude: 33.2405560 Longitude: -93.1469440

**To:**  
**From:** Mark Hayes, Environmental Engineer, OSC  
**Date:** 3/11/2013  
**Reporting Period:** 3/11/2013

## 1. Introduction

### 1.1 Background

|                            |          |                                |                |
|----------------------------|----------|--------------------------------|----------------|
| <b>Site Number:</b>        |          | <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>  | 3/9/2012 | <b>Start Date:</b>             | 3/9/2013       |
| <b>Demob Date:</b>         |          | <b>Completion Date:</b>        |                |
| <b>CERCLIS ID:</b>         |          | <b>RCRIS ID:</b>               |                |
| <b>ERNS No.:</b>           |          | <b>State Notification:</b>     |                |
| <b>FPN#:</b>               | 13610    | <b>Reimbursable Account #:</b> |                |

#### 1.1.1 Incident Category

Oil Spill Response

#### 1.1.2 Site Description

On March 9, 2013, the Responsible Party, Lion Oil Trading, and Transportation, Inc. (LOTT) notified the National Response Center of an estimated 1500 barrel oil spill near Magnolia, Arkansas. On March 11, LOTT modified that estimated spill to be 5000 barrels. The responsible party reported that the spill occurred from a failure in their suction pump, which transports crude oil from the tank battery to an underground 12 inch transmission line that is monitored with a supervisory control and data acquisition (SCADA) system. The discharged oil filled a containment pond before flowing down gradient and impacting approximately 3 miles of Little Cornie Bayou Creek. The initial estimate of 1 1/2 miles of creek did not account for natural topography of the area.

##### 1.1.2.1 Location

Magnolia, Arkansas

##### 1.1.2.2 Description of Threat

Adjusted by LOTT as March 11 2013

Estimated 5000 bbls of crude oil spill as follows:

- 1500 bbls of crude oil in Little Cornie Bayou Creek
- 3500 bbls of crude oil at source location and in the containment pond

#### 1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

#### 2.1.2 Response Actions to Date

On 9 March 2013 LOTT deployed 8 vac trucks to recover crude oil within Little Cornie Bayou Creek. LOTT also constructed 2 weir dams on Little Cornie Bayou Creek down gradient from the oil spill source location. Additional hard boom was deployed between the weir dam locations. Collection points for the vac trucks were established at each of the weir dam locations. Vac trucks were also used to remove crude oil from the temporary containment pond. LOTT established 24 hour operations and continued to recover oil using vac trucks at various locations on Little Cornie Bayou Creek throughout the night. Two fracking (frac) tanks were deployed onsite and utilized as temporary holding areas for crude oil and freshwater collection. A 25,000 barrel tank located on the facility property is being utilized to store recovered crude oil and freshwater.

On the morning of 10 March 2013, LOTT reported that 1,840 bbls of crude oil was recovered. LOTT response personnel and contractor, TAS Environmental, continued oil spill recovery operations with a crew of approximately 20 personnel and 8 vac trucks. Vac truck recovery operations continued throughout the day at the containment pond and weir dam 1, but were slowed by rainfall in the area causing resources and personnel to be redirected to improve access roads. A breach also occurred in Weir dam 1 due to heavy rainfall, but all discharged crude oil remained contained by hard boom and Weir Dam 2.

On the morning of 11 March 2013, LOTT reported that 3,880 bbls of crude oil was recovered to date. LOTT continued to conduct 24 hour oil recovery operations. During night operations crews continued recovery operations at the containment pond and locations along Little Cornie Creek Bayou. Recovery operations overnight was slowed due to reduced oil flow from cold temperatures. Throughout the day LOTT response personnel and contractor, TAS Environmental, continued oil spill recovery operations with a crew of approximately 27 personnel and 9 vac trucks. Recovery operations continued at the containment pond and various locations along Little Cornie Creek Bayou.

**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> |
|---------------------|---------------|-----------------|-------------------|------------------|-----------------|
|                     |               |                 |                   |                  |                 |
|                     |               |                 |                   |                  |                 |
|                     |               |                 |                   |                  |                 |

**2.2 Planning Section**

**2.2.1 Anticipated Activities**

**2.2.1.1 Planned Response Activities**

- Temporarily suspended 24 hour operations due to freezing/below freezing temperatures overnight
- Additional site resources including cleanup contractor, LOTT personnel, and equipment to be mobilized on 12 March 2013. .
- Continuation of oil recovery operations utilizing vac trucks at various locations throughout Little Cornie Creek Bayou
- Utilize additional personnel and equipment to initiate cleanup operations of impacted areas between Little Cornie Creek Bayou and the containment pond

**2.2.1.2 Next Steps**

**2.2.2 Issues**

- EPA OSC advised LOTT to deploy additional resources to improve overall progress of cleanup and recovery operations
- Overnight operations has subsequently slowed progress of oil recovery due to oil thickening from freezing/below freezing temperatures.

**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**

No information available at this time.

**4. Personnel On Site**

No information available at this time.

**5. Definition of Terms**

No information available at this time.

**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 3/11/2013