

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
(E13611) Exxon Pipeline Mayflower Arkansas Oil Spill - Removal Polrep  
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region VI

**Subject:** POLREP #1  
Initial  
(E13611) Exxon Pipeline Mayflower Arkansas Oil Spill  
Mayflower, AR  
Latitude: 34.9638070 Longitude: -92.4286530

**To:** Dean Vanderhoff, ADEQ  
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R6 PolRep OPA, Response and Prevention Branch  
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**From:** Nicolas Brescia, OSC

**Date:** 3/30/2013

**Reporting Period:** 29 March to 1000 hours 30 March 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 Assessment |
| <b>NPL Status:</b> Non NPL          | <b>Operable Unit:</b>                        |
| <b>Mobilization Date:</b> 3/29/2013 | <b>Start Date:</b> 3/29/2013                 |
| <b>Demob Date:</b>                  | <b>Completion Date:</b>                      |
| <b>CERCLIS ID:</b>                  | <b>RCRIS ID:</b>                             |
| <b>ERNS No.:</b>                    | <b>State Notification:</b> 12713             |
| <b>FPN#:</b> E013611                | <b>Reimbursable Account #:</b>               |

#### 1.1.1 Incident Category

Transportation-Related: Pipeline Spill

#### 1.1.2 Site Description

##### 1.1.2.1 Location

The pipeline spill occurred in a residential neighborhood in Mayflower, Faulkner County, Arkansas (34.963807 Latitude, -92.428653 Longitude). Approximately 21 homes were evacuated in the neighborhood due to elevated VOC readings and due to the amount of oil present on the ground and in the street.

##### 1.1.2.2 Description of Threat

The damaged pipeline released Wabassa Heavy crude oil into the North Woods Subdivision. Crude oil then flowed west along N. Starlite Road, into a bar ditch adjacent to a Union Pacific Railroad line, into an unnamed creek, and into a tributary to a cove of Lake Conway. Lake Conway is a tributary to the Arkansas River. Local residents have been evacuated from 21 homes due to elevated levels of VOCs and benzene detected in the source area of the spill.

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

The source was a Pegasus Line that connects Patoka, IL to Nederland, TX, approximately 850 miles long. The 20-inch pipeline has a capacity of 95,000 barrels per day. The pipeline is buried 24 inches deep with a distance of 18 miles between isolation valves. The pipeline release began Friday afternoon 29 March 2013. The break in the line was isolated and the pipeline stopped leaking oil at approximately 0300 hours 30 March 2013. The RP is estimating approximately 2,000 bbl of oil has been released.

## 2. Current Activities

## 2.1 Operations Section

### 2.1.1 Narrative

### 2.1.2 Response Actions to Date

The RP and local responders have installed several dams to contain the oil throughout the impacted area. Vacuum trucks are currently recovering the crude oil at multiple locations and are staging the oil in frack tanks on site. At this time, approximately 4,500 bbl of oil and water has been recovered and staged in nine frack tanks on site. Approximately 700 feet of hard boom and 1300 feet of soft absorbent boom has been deployed throughout the spill area and in Lake Conway. The RP and the EPA are conducting air monitoring to establish levels of VOCs and benzene in the area. The air monitoring is being focused in the North Woods Subdivision and at heavily oiled locations. CTEH is conducting air monitoring, air sampling, water sampling, and soil sampling in the impacted and surrounding area for the RP. The RP currently has approximately 15 Vacuum Trucks on site and 12 frack tanks. The RP currently has 100 response personnel on site conducting the cleanup operation. The RP has estimated approximately 2,000 bbl have been released at this point, however, the RP is staffing their response efforts to tactically cleanup a potential 10,000 bbl release. The RP is standing up an Incident Management Team and will coordinate all response efforts through a Unified Command with local, state, and federal officials. The RP has set-up a claims line for impacted residents and will be assisting residents with temporary housing.

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

The Pegasus pipeline is operated by ExxonMobil Pipeline Company.

### 2.1.4 Progress Metrics

| <i>Waste Stream</i> | <i>Medium</i> | <i>Quantity</i> | <i>Manifest #</i> | <i>Treatment</i> | <i>Disposal</i> |
|---------------------|---------------|-----------------|-------------------|------------------|-----------------|
| Oil and Water       |               | 4500 bbl        |                   |                  |                 |
|                     |               |                 |                   |                  |                 |
|                     |               |                 |                   |                  |                 |

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

Continue recovery of pooled oil, Maintain area air monitoring to identify levels in the residential areas adjacent to the spill and evacuated areas.

#### 2.2.1.1 Planned Response Activities

Continue oil recovery in heavily impacted areas. Continue air monitoring and sampling for VOCs and benzene. Monitor containment areas to prevent oil migration into Lake Conway.

#### 2.2.1.2 Next Steps

Continue oil recovery and air monitoring.

### 2.2.2 Issues

Due to a current rainfall event, the RP will attempt to prevent the oil from migrating into Lake Conway.

## 2.3 Logistics Section

No information available at this time.

## 2.4 Finance Section

### Estimated Costs \*

|                         | <b>Budgeted</b>    | <b>Total To Date</b> | <b>Remaining</b>   | <b>% Remaining</b> |
|-------------------------|--------------------|----------------------|--------------------|--------------------|
| <b>Extramural Costs</b> |                    |                      |                    |                    |
| TAT/START               | \$40,000.00        | \$5,000.00           | \$35,000.00        | 87.50%             |
| <b>Intramural Costs</b> |                    |                      |                    |                    |
| USEPA - Direct          | \$10,000.00        | \$1,200.00           | \$8,800.00         | 88.00%             |
|                         |                    |                      |                    |                    |
| <b>Total Site Costs</b> | <b>\$50,000.00</b> | <b>\$6,200.00</b>    | <b>\$43,800.00</b> | <b>87.60%</b>      |

\* 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**

ExxonMobile Representatives  
Federal and State Agencies

### **3.2 Cooperating Agencies**

Arkansas Department of Environmental Quality  
Arkansas Department of Emergency Management  
Arkansas Game and Fish  
Arkansas Department of Health  
Falkner County Emergency Management  
Mayflower Fire Department  
Mayflower Police Department  
Falkner County Judge

## **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**

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

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

### **6.2 Reporting Schedule**

## **7. Situational Reference Materials**

No information available at this time.

POLREP #1 Last Updated 3/30/2013