

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region VI

**Subject:** **POLREP #16**  
**Final**  
**(E13611) Exxon Pipeline Mayflower Arkansas Oil Spill**  
  
**Mayflower, AR**  
**Latitude: 34.9638070 Longitude: -92.4286530**

**To:**  
**From:** Nicolas Brescia, OSC  
**Date:** 12/10/2013  
**Reporting Period:** 06/05/13 through 12/10/13

**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> 11/19/2013	<b>Completion Date:</b> 12/10/2013
<b>CERCLIS ID:</b>	<b>RCRIS ID:</b>
<b>ERNS No.:</b>	<b>State Notification:</b>
<b>FPN#:</b> E13611	<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). Due to elevated VOC readings and due to the amount of oil present on the ground and in the street, 22 residential homes were evacuated along N. Starlite Road. (Evacuated residential home number was revised from previous pollution reports to reflect actual number of homes evacuated.)

**1.1.2.2 Description of Threat**

The damaged pipeline released Wabasca 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 22 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 5,000 bbl of oil has been released.

**2. Current Activities**

**2.1 Operations Section**

**2.1.1 Narrative**

**2.1.2 Response Actions to Date**

**June 5 - Nov 19, 2013**

**Response operations continued in Division Alpha, the Northwoods Indoor air sampling has been**

completed on approximately 17 of the 22 evacuated homes. All validated indoor air sampling results were provided to the Arkansas Department of Health (ADOH) for review. The ADOH scheduled meetings with individual residents to discuss their results. ADOH also conducted and completed a series of Health Consults requested by residents in the Mayflower area. Operations along North Starlite Road included the replacement of additional storm drain areas, replacement of concrete caps, replacement of curbs, replacement of driveways and rebuilding of mailboxes. New sod was placed on exposed soil areas and new fencing was constructed between homes. The three most impacted homes, the homes with oil under their foundation were purchased by ExxonMobil. The three homes were demolished and the impacted soil was removed. ExxonMobil followed ADEQ soil cleanup requirements and have completed the removal of oil impacted soils from the neighborhood. All response operations in the Northwoods subdivision have been completed. Unified Command completed a final site walk in the the Northwoods subdivision on Nov 19, 2013 and agreed that the Response Phase for Division Alpha had been completed per the Unified Command Incident Action Plan. Unified Command signed off on a memo to transition Division Alpha from the Response Phase to the Remediation Phase. ExxonMobil will continue working under the direction of the ADEQ to assess and remediate soils and groundwater at the properties directly impacted by the spill.

During this operational period, FOSC Brescia increased the FPN ceiling by \$30,000.00 to a total ceiling amount of \$630,000.00.

Remediation operations continued in Division Bravo, the Bell Cove area of Lake Conway. ExxonMobil will continue to provide contract personnel to conduct remediation and maintenance activities within the cove area under the direction of the ADEQ.

ADEQ and ExxonMobil continued to sample Lake Conway. Results of sampling continue to indicate non detect for the presence of oil.

During this operational period, two EPA START and FOSC Brescia/Rhotenberry visited the site to conclude air sampling operations and to conduct site walks.

#### 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

\* Oily liquid recovered and stored quantity reconciled after gauging on 4/23/2013. Disposal estimates provided from by ExxonMobil on Nov 22, 2013

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Original Response					
Oil and Water		29,311 bbl		Rineco	9,911 bbl
				BRRF	19,400 bbl
Soils		433 - 20yd <sup>3</sup> Boxes			433 - 20yd <sup>3</sup> Boxes
Oiled Debris		346 - 20yd <sup>3</sup> Boxes			346 - 20yd <sup>3</sup> Boxes
Wood Chips		281 - 20yd <sup>3</sup> Boxes			281 - 20yd <sup>3</sup> Boxes
Residential Excavation Activities					
Soils		413- 20yd <sup>3</sup> Boxes			413- 20yd <sup>3</sup> Boxes
Debris		413- 20yd <sup>3</sup> Boxes			413- 20yd <sup>3</sup> Boxes

**2.2.1 Anticipated Activities**

No further action at this time.

**2.2.1.1 Planned Response Activities**

None

**2.2.1.2 Next Steps**

All remaining remediation activities will be under the direction of the ADEQ.

**2.2.2 Issues****2.2 Planning Section**

No information available at this time.

**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****3.1 Unified Command**

ExxonMobil 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  
Faulkner County Emergency Management  
Mayflower Fire Department  
Mayflower Police Department  
Faulkner County Judge  
US FWS

**4. Personnel On Site**

- 1 - EPA FOSC personnel (Incident Command)
- 2 - EPA START personnel (air sampling) and field documentation

**5. Definition of Terms**

RP - Responsible Party

**6. Additional sources of information****6.1 Internet location of additional information/report**

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

**6.2 Reporting Schedule****7. Situational Reference Materials**

No information available at this time.