

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: POLREP #14
(E13611) Exxon Pipeline Mayflower Arkansas Oil Spill

Mayflower, AR
Latitude: 34.9638070 Longitude: -92.4286530

To:
From: Nicolas Brescia, OSC
Date: 5/14/2013
Reporting Period: 05/07/2013-05/14/2013

1. Introduction

1.1 Background

Site Number:	Contract Number:
D.O. Number:	Action Memo Date:
Response Authority: OPA	Response Type: Emergency
Response Lead: PRP	Incident Category: Removal Assessment
NPL Status: Non NPL	Operable Unit:
Mobilization Date: 3/29/2013	Start Date: 3/29/2013
Demob Date:	Completion Date:
CERCLIS ID:	RCRIS ID:
ERNS No.:	State Notification:
FPN#:	Reimbursable Account #:

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

May 7 - May 14, 2013

The re-entry process began and approximately six homes have had indoor air sampling completed. An additional six homes have been scheduled for indoor air sampling for this coming week. EPA START continue to provide air monitoring on a requested basis per the FOSC.

Operations continue in Division Alpha, the North Woods Subdivision where approximately 22 homes remain evacuated. Current operations along North Starlite Road include the replacement of additional storm drain areas. Additional soil was removed from the storm drain area. Residential driveways along N. Starlite Rd. have been filled, graded, and prepared with rock in preparation for re-paving.

Soil and groundwater sampling studies of impacted areas in Division Alpha are continuing. Exxon Mobil with direct oversight by ADEQ continue to assess soils and groundwater at the properties directly impacted by the spill. Surface soil samples, borings and sampling underneath foundations continues.

Operations continue in Division Bravo, the Bell Cove area of Lake Conway. Current operations include washing and jetting shorelines to recover isolated pockets of oil. Several locations along the shoreline in the cove continue to have isolated pockets of oil present. Crews continue to work these areas utilizing absorbents to collect the free oil. A berm was created in the South shore area and additional excavation will occur in that area to remove oil impacted soil/sediment. Remaining staining on larger trees and sheen are still present in multiple areas of the cove. The water level in the Cove was lowered to pre spill conditions and the blocked culvert at HWY 89 was reopened to allow natural water conditions in the cove to occur. The lower water level in the cove allowed crews to address areas where oil was still present. Continued booming of the Cove and the cleanup of any visible oil will be continued. Due to the fact that several locations in the cove still have recoverable oil present the Response phase has not transitioned to the Remedial phase. The Unified Command has conducted multiple site walks throughout this operational period to focus on remaining areas that need additional work. FOSC Brescia requested USEPA ERT to provide on-site assistance in assessing the cove area.

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

Due to the fact the re-entry process began during this period and additional EPA START was added to the operation. Currently, two EPA START and one EPA OSC are onsite.

The Draft Amendment to the Waste Disposal Plan proposed by ExxonMobil for the disposal of the oily liquids being stored at the Exxon Conway Terminal is currently being reviewed by ADEQ and the USEPA.

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		28,489* bbl			
Soils		390 - 20yd ³ Boxes			
Oiled Debris		220 - 20yd ³ Boxes			
Wood Chips		281 - 20yd ³ Boxes			

* Oily liquid recovered and stored quantity reconciled after gauging on 4/23/2013.

2.2.1 Anticipated Activities

Unified Command will continue to provide the community and media with high priority and responsiveness. Execute approved plans and assess progress on daily basis.

2.2.1.1 Planned Response Activities

EPA START and RP's contractor will continue implementation of the Re-entry sampling plan for the evacuated residents as requested.

EPA START and RP's contractor will continue independent area air monitoring to identify VOC levels in the impacted residential areas as requested. .

Continue recovery of any remaining oil and oiled debris in the Bell Cove area.

2.2.1.2 Next Steps

Continue the development of transition from the response phase to the long-term assessment and remediation phase with ADEQ.

2.2.2 Issues

There continues to be high interest from local media and activist groups.

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.epaosc.org/exxonmayflower

6.2 Reporting Schedule

Operational Period 12 (4/24/2013 through 4/29/2013).

7. Situational Reference Materials

No information available at this time.