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

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:	11/19/2013	**Completion Date:**	12/10/2013
CERCLIS ID:		**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:	E13611	**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

<u>June 5 - Nov 19, 2013</u>

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

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

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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 activties 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.epaosc.org/exxonmayflower

6.2 Reporting Schedule

7. Situational Reference Materials
No information available at this time.