

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Petco Petroleum Company Oil Spill: FPN 12615 - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region VI

**Subject:** POLREP #3  
**Petco Petroleum Company Oil Spill: FPN 12615**  
**FPN 12615**  
**Drumright, OK**  
**Latitude: 35.9808700 Longitude: -95.5716400**

**To:**  
**From:** Nicolas Brescia, OSC  
**Date:** 3/31/2012  
**Reporting Period:** 03/31/2012

## 1. Introduction

### 1.1 Background

Site Number:	FPN 12615	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:	3/29/2012	Start Date:	3/29/2012
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	OCC notified by RP
FPN#:	E12615	Reimbursable Account #:	

#### 1.1.1 Incident Category Oil Spill

#### 1.1.2 Site Description

Petco Petroleum Company Oil Production Facility

#### 1.1.2.1 Location 35.98087N, 95.57164W

#### 1.1.2.2 Description of Threat

Oil was released from a water knock out on a water dump, flowed into the secondary containment area and then onto land and into an unnamed creek. The unnamed creek is an active creek and from the spill location it flows approximately 2.5 miles into Tiger Creek, Tiger Creek flows approximately 3.5 miles into the Cimarron River. The Cimarron River is a tributary to the Arkansas River. The released oil impacted waters of the United States.

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

On March 29, 2012, the RP discovered the spill and notified an EPA Enforcement officer of the incident. The EPA Enforcement Officer contacted the Phone Duty Officer of the release. The Phone Duty Officer contacted the RP and informed the RP that they were required to report the incident to the NRC due to the fact the oil impacted a waterway. The RP informed the PDO that the cleanup activities were underway and that approximately 150 bbls of oil and 500 bbls of salt water were released from a tank battery into an unnamed creek. The RP contacted the NRC and reported the spill.

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

#### 2.1.2 Response Actions to Date

On March 29, 2012, the PDO dispatched OSC Brescia and EPA START to the scene to conduct an assessment. EPA OSC Brescia and EPA START arrived on scene and were briefed by the EPA Enforcement Officer and the RP on the current situation. The release occurred from a water knock out at a water dump causing oil and saltwater to be released out of a secondary containment area onto land and into an unnamed creek. The RP informed EPA that he observed approximately  $\frac{3}{4}$  of a mile of creek

impacted from the spill and that the majority of the product was contained at the HWY 33 intersection bridge.

The RP had instructed one underflow dam in a portion of the creek and had placed boom in multiple sections of the creek. The RP had begun vacuum and flushing operations in the creek area in an attempt to recover the free product. A USFW representative was on site and assisted in the initial assessment. The USFW representative informed the RP that the area of the spill location was designated as habitat for the Burying Beetle and that the RP needed to minimize soil disturbances during the cleanup operation. USFW also informed the RP to consult with USFW if areas needed to be disturbed to conduct the cleanup operations. The RP agreed. EPA OSC Brescia and EPA START began their assessment of the spill location and of the impacted creek area. EPA OSC Brescia requested that the RP divide and increase his resources on site to work on two portions of the creek simultaneously. The RP agreed. OSC Brescia also requested that the RP reconstruct their underflow dam to allow water to flow through the dam properly. The dam had been constructed and was not allowing water to flow through it. The RP agreed and repositioned the flow pipe to allow water to flow through the dam location.

OSC Brescia created a Scope of Work(SOW) for the cleanup activities and discussed the SOW with the RP. The SOW included the following: recover all oil from the creek area utilizing mechanical and manual techniques, removal of pockets of oil from sediment utilizing mechanical and manual techniques, flush impacted areas of the creek with water and collect rinsate, remove all heavily oiled vegetation from the creek area, remove all oil impacted soil from the spill location to the entrance of the creek, and remediate/dispose of all impacted soil/rinsate/boom/pads appropriately. OSC Brescia informed the RP to follow OCC rules on soil remediation. The RP agreed to the SOW. EPA START conducted an assessment from the spill location down to and past the HWY 33 intersection. Two large pools were observed during the assessment. One pool was located above the underflow dam area and one was located at the HWY 33 Intersection bridge. Three smaller pools were observed between the spill location and the underflow dam location. Due to access issues, EPA START was unable to assess further downstream at the HWY 33 Intersection bridge. EPA START will continue their down creek assessment on 03/30/2012. The RP focused cleanup efforts on the two large pools identified. The RP informed OSC Brescia that their daily cleanup operations recovered approximately 175 bbls of oil/water. Approximately 70 bbls of oil were recovered and 105 bbls of saltwater/water were recovered. OSC Brescia observed during the cleanup that the RP was discharging the collected water back to the creek after separation of the oil, and informed the RP that they could not discharge the water back unless the RP could prove the salinity level was at or below background and no residual oil was present. The RP began disposing of all water collected from the recovery operations. The salt water/water collected estimate of 105 bbls can not be verified.

On March 30, 2012, EPA OSC Brescia and EPA START continued to monitor and document the cleanup activities. The RP continued removing product and added vacuum trucks and personnel to the dam location. The RP flushed a vegetated area next to the creek with water causing additional oil to be added to the pooled area location of the underflow dam. Vacuum operations continued at the two main oil pooled areas. EPA START and OSC Brescia received access to the property down stream of the HWY 33 bridge and walked an additional 1/2 mile to determine if the oil had impacted the creek. A few small areas contained weathered oil and OSC Brescia requested that the RP utilize pads to collect the oil. OSC Brescia and EPA START walked the creek areas between the HWY 33 Bridge and the underflow dam area. Only small residual pools were found in these areas. The RP had a crew walk the impacted creek area collecting oiled vegetation. The RP began lightly scraping the oiled soil next to the tank battery. EPA OSC Brescia informed the RP to lightly excavate the impacted areas adjacent to the creek and to coordinate with USFW if the RP needed to excavate at greater depths. The RP informed the EPA OSC that they would continue excavation operations over the next few days. The RP continues to focus recovery efforts at the Highway 33 bridge location and the underflow dam location. Approximately 75 bbls of oil was recovered from the cleanup activities. The RP informed the EPA OSC that approximately 2000 bbls of salt water/water had been recovered from cleanup operations dating back to 03/29/2012. RP will begin bank/vegetation flushing operations on 03/31/2012 in the area located south of the underflow dam area.

On March 31, 2012, EPA OSC Brescia and EPA START continued to monitor and document cleanup activities. The RP continued removing product from the HWY 33 bridge and the underflow dam area. The RP began flushing the creek bank south of the underflow dam area to remove oil from the vegetation located along the side of the creek. The RP also utilized water flushing near the HWY 33 bridge area to collect residual oil pooling from up stream cleaning operations. EPA OSC Brescia walked the impacted area from the spill location to the creek entrance, and met with the RP to outline the area of oiled vegetation and soil that needed to be removed. The RP began removing oiled vegetation/soil in that area. Manual techniques were utilized to minimize impact to the soil. EPA START identified areas along the creek that had oiled vegetation and free pools of product. The RP utilized a crew to address these areas. EPA START completed the SPCC inspection, and documented the daily cleanup efforts. EPA OSC Brescia demobilized from the site. Approximately 10 bbls of oil were recovered from the cleanup activities. The RP informed the EPA OSC that approximately 1500 bbls of salt water/water was recovered during the daily cleanup activities.

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

#### **2.1.4 Progress Metrics**

<b>Waste Stream</b>	<b>Medium</b>	<b>Quantity</b>	<b>Manifest #</b>	<b>Treatment</b>	<b>Disposal</b>

**2.2 Planning Section****2.2.1 Anticipated Activities**

EPA START will continue to document cleanup activities. OSC Brescia will demob EPA START on April 1, 2012.

**2.2.1.1 Planned Response Activities**

EPA Enforcement will make a site visit on April 2, 2012.

**2.2.1.2 Next Steps****2.2.2 Issues****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****3.2 Cooperating Agencies**

USFW

**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.