

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
US Enrichment Diesel Spill - Removal Polrep  
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region IV

**Subject:** POLREP #1  
Initial POLREP  
US Enrichment Diesel Spill  
Kevil, KY  
Latitude: 37.0882887 Longitude: -88.8252171

**To:** Shane Hitchcock, USEPA R4 ERRB  
Matt Taylor, USEPA R4 ERRB

**From:** Steve Spurlin, On Scene Coordinator

**Date:** 12/17/2010

**Reporting Period:** 12/17/2010

## 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 Action
<b>NPL Status:</b>	Non NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	12/17/2010	<b>Start Date:</b>	12/17/2010
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>		<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

#### 1.1.1 Incident Category

Emergency

#### 1.1.2 Site Description

The location is a large manufacturing site. US Enrichment is a supplier of enriched uranium fuel for commercial nuclear power plants. The facility sits on a West Kentucky State Wildlife Management Area with several surface water ponds and a runoff outfall that flows into the Big Bayou Creek.

##### 1.1.2.1 Location

5600 Hobbs Road, Kevil, McCracken County, Kentucky

##### 1.1.2.2 Description of Threat

The spill consists of 13,000 gallons of diesel fuel that has breached containment and discharged to a stormwater ditch with flowing water that eventually flows into the Big Bayou Creek.

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

EPA Telephone Duty Officer contacted the PRP who reported that the spill was likely only several hundred gallons and near 1000 gallons. KYDEP dispatched a responder to observe cleanup operations and KYDEP later reported to EPA that the spill volume was approximately 13,000 gallons but that the response effort appeared to be adequately conducted. Due to the significance of the spill and the discrepancy between the initial volume reported by the PRP and actual volume spilled, EPA Telephone Duty dispatched TN Outpost OSC Spurlin to the event.

KYDEP also reported that the spill occurred during a refill operation of a 500,000-gallon tank that had been previously decommissioned. The tank was being put into service again and a sight glass that was installed to observe filling operations unknowingly failed. Also, the drainage valve from the secondary containment area also failed and allowed a significant portion of the fuel to flow outside of containment and into the stormwater ditch.

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

US Enrichment has responded to the release with their own crews and have also hired cleanup contractor SWS to respond with additional crews and resources. Current activities are addressing the oil on the surface water and maintaining barriers to contain the release to the site property.

#### **2.1.2 Response Actions to Date**

US Enrichment crews have constructed several underflow dams along the drainage pathway and a barrier of boom outside the outfall on Big Bayou Creek. A vacuum truck is been used to collect oil from the surface water.

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

US Enrichment Corp. is responding as the PRP.

#### **2.1.4 Progress Metrics**

n/a

### **2.2 Planning Section**

#### **2.2.1 Anticipated Activities**

US Enrichment will continue response activities with help from their contractor, SWS, and oversight from EPA and KYDEP.

##### **2.2.1.1 Planned Response Activities**

(OSC Spurlin will determine what the planned response activities are upon inspection of the response).

##### **2.2.1.2 Next Steps**

See sections 2.2.1 and 2.2.1.1

#### **2.2.2 Issues**

It was reported by KYDEP that the spill may have left the secondary containment area because the valve was left open. This report will have to be confirmed.

### **2.3 Logistics Section**

n/a

### **2.4 Finance Section**

#### **2.4.1 Narrative**

n/a

### **2.5 Other Command Staff**

#### **2.5.1 Safety Officer**

n/a

#### **2.6 Liaison Officer**

n/a

#### **2.7 Information Officer**

##### **2.7.1 Public Information Officer**

n/a

##### **2.7.2 Community Involvement Coordinator**

n/a

### **3. Participating Entities**

#### **3.1 Unified Command**

n/a

#### **3.2 Cooperating Agencies**

EPA

KYDEP

DOE

### **4. Personnel On Site**

US Enrichment Corp (n/a)

SWS (n/a)

KYDEP (2)

EPA (1)

### **5. Definition of Terms**

n/a

### **6. Additional sources of information**

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

n/a

**6.2 Reporting Schedule**

n/a

**7. Situational Reference Materials**

n/a

POLREP #1 Last Updated 12/18/2010