

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Prairie Creek Oil Seep - E16510 - Removal Polrep  
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #1  
Initial  
Prairie Creek Oil Seep - E16510  
Z5QL  
Frankfort, IN  
Latitude: 40.2835317 Longitude: -86.5107471

**To:**  
**From:** Anita L. Boseman, On-Scene Coordinator  
**Date:** 4/8/2016  
**Reporting Period:** 2/2/ 2016 - 3/30/2016

## 1. Introduction

### 1.1 Background

<b>Site Number:</b>	Z5QL	<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>	EPA	<b>Incident Category:</b>	Removal Assessment
<b>NPL Status:</b>	Non NPL	<b>Operable Unit:</b>	1
<b>Mobilization Date:</b>	2/2/2016	<b>Start Date:</b>	2/2/2016
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>		<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	IDEM
<b>FPN#:</b>	E16510	<b>Reimbursable Account #:</b>	

#### 1.1.1 Incident Category

Removal Assessment

#### 1.1.2 Site Description

The site is located in a commercial and residential area in Frankfort, IN. An unknown amount of oil has leaked into Prairie Creek from a seep located along the west bank of the creek. The seep seems to be slowly leaking oil, creating a visible sheen on the water's surface.

##### 1.1.2.1 Location

N. Jackson St & E. Morrison St, Frankfort, IN

Latitude: 40.2835317 Longitude: -86.5107471

##### 1.1.2.2 Description of Threat

An oil seep was identified on the west bank of Prairie Creek while the Clinton County highway department was excavating the area for the construction of a new bridge over the creek. The Indiana Department of Environmental Management (IDEM) Emergency Response (ER) reported the seepage of oil along the bank of Prairie Creek to the U.S. Environmental Protection Agency (EPA). The EPA will continue to investigate the possible source of oil enter Prairie Creek.

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

On January 8, 2016, IDEM ER reported a seepage of oil along the bank of Prairie Creek in Clinton County, Frankfort, Indiana. IDEM ER has been working with the County/consultant, BLN, on designs for a slurry wall/sheet piling, but IDEM ER requested EPA assistance since the source of oil may not be encountered or removed during the County's construction.

EPA OSC Anita L. Boseman and personnel from the Superfund Technical Assessment and Response Team (START) visited the site on Tuesday, February 2, 2016, to obtain written access and investigate the source of the oil seepage. A water sample of the visual impacts was collected from the creek as well as a sheen sample from along the stream bank.

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

On January 8, 2016, the Indiana Department of Environmental Management Emergency Response (IDEM ER) reported a seepage of oil along the bank of Prairie Creek on Clinton County, Frankfort, Indiana and requested assistance from EPA.

The County highway department is constructing a new bridge crossing over Prairie Creek and encounter an oil seep from the Creek's western bank. IDEM ER has been working with the County on designs for a slurry wall/sheet piling.

On February 2, 2016 EPA responded to the report of the oil seepage. EPA and START visited the site to investigate the source of the oil seepage and to collect samples. OSC Anita Boseman also obtained written access to the site from the City of Frankfort.

#### 2.1.2 Response Actions to Date

On February 2, 2016, EPA responded to the report of the oil seepage into Prairie Creek. OSC Anita Boseman and START collected a surface water and petroleum sheen net sample from where the oil had been seen leaking into Prairie Creek. Also present for the sampling was Pat Colcord with IDEM, and Brian Shaw with Beam, Longest & Neff (BLN), Clinton County's construction contractor. Each sample was screened with a MultiRAE Pro to detect possible toxic gases including volatile organic compounds (VOCs), hydrogen sulfide (H<sub>2</sub>S), oxygen (O<sub>2</sub>), carbon monoxide (CO), and lower explosive limit (LEL). No detections were seen from either sample.

The petroleum sheen net sample was sent as a dangerous good to the U.S. Marine Safety Laboratory for fingerprinting analysis. The surface water sample was sent to CT Laboratories, Inc. in Baraboo, Wisconsin to be analyzed for VOCs, semivolatile organic compounds (SVOCs), and polychlorinated biphenyls (PCBs).

Sample results of both the sheen net sample and surface water sample revealed no detections of VOCs or PCBs. Benzo(a)anthracene was detected at 0.12 ug/L in the surface water sample collected near the seep along the west bank of Prairie Creek, which is less than the EPA Removal Management Level for SVOCs in surface water.

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

EPA does not yet know all of the sources of the hazardous substance nor whether the oil has migrated to locations besides Prairie Creek. The parcels adjacent to the creek are owned by the Clinton County Board of Commissioners.

#### 2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
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### 2.2 Planning Section

#### 2.2.1 Anticipated Activities

No information is available at this time

##### 2.2.1.1 Planned Response Activities

No information is available at this time

##### 2.2.1.2 Next Steps

No information is available at this time

#### 2.2.2 Issues

Due to the high water level of Prairie Creek and unstable ground conditions, START was unable to reach the seep by foot. Due to this issue, no soil samples were taken from the seep. As a corrective action, START constructed an approximate 20-foot long sampling device to collect the samples.

### 2.3 Logistics Section

No information is 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

NA

### **3.2 Cooperating Agencies**

US EPA

IDEM

Clinton County

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

EPA - 1

START - 2

IDEM - 1

BLN - 3

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

EPA - United States Environmental Protection Agency

ER - Emergency Response

IDEM - Indiana Department of Environmental Management

BLN- Beam, Longest & Neff

START - Superfund Technical Assessment and Response Team

PCB - Polychlorinated biphenyl

SVOC - Semivolatile organic compound

VOC - Volatile organic compound

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

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

No information is available at this time

#### **6.2 Reporting Schedule**

No information is available at this time

### **7. Situational Reference Materials**

No information available at this time