

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Buckeye Pipeline - Kankakee Gasoline Spill - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #4  
progress  
Buckeye Pipeline - Kankakee Gasoline Spill  
Kankakee, IL  
Latitude: 41.1435080 Longitude: -87.9022360

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**From:** Ramon Mendoza, OSC

**Date:** 3/19/2014

**Reporting Period:** progress

## 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>	3/14/2014	<b>Start Date:</b>	3/14/2014
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>		<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	03/14/2014
<b>FPN#:</b>	E14508	<b>Reimbursable Account #:</b>	

#### 1.1.1 Incident Category

Petroleum release (suspected gasoline and gasoline/diesel transmix) in drainage ditch and pasture near Buckeye pipelines in Kankakee, IL

#### 1.1.2 Site Description

The two Buckeye pipelines where the petroleum sheen was encountered are located on IL-113 between Indian Trail Road and Stone Creek Road (1500 W Road) in Kankakee, IL. The site is in a mixed rural and residential area and is located approximately 1500 feet south of the Kankakee River. The drainage ditch where the sheen was located is on the south side of IL-113 and flows west towards a culvert which runs north under IL-113 and toward the Kankakee River.

##### 1.1.2.1 Location

IL-113 and Indian Trail Road, Kankakee, IL

##### 1.1.2.2 Description of Threat

There is a threat to the Kankakee River and groundwater from a gasoline release. Residents located east of the site are on private wells. The drainage ditch flows to the Kankakee River approximately 1500 feet north of the site. Gasoline / product was observed at the surface in a residential yard to the North of the release point. The pipeline crosses under the Kankakee River which is located approximately 1200 feet from the

yard. The pipeline and drainage ditch may provide a conduit for gasoline to travel to the navigable waterway.

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

Buckeye is excavating near their pipelines to see if there is indeed a pipeline break and what impacts to soil and groundwater occurred.

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

On the morning of March 14, 2014, Buckeye Pipeline reported a release of gasoline from the vicinity of two 8-inch pipelines (162 and 163) near the intersection of State Route 113 and Indian Trail Road, Kankakee, Kankakee County, Illinois 60691. One pipeline was carrying gasoline and the other a transmix of gasoline and diesel. Both pipelines are leaking. The exact locations of the leaks along the pipeline are not identified yet, however they are believed to be within the casing underneath State Route 113. The release was initially estimated at 500 gallons but is now estimated to be between 1,000 and 1,500 gallons. There is a drainage ditch located west of the suspected release location which leads to the Kankakee River which is located approximately 0.5 miles to the North. A residential community is also located approximately 0.25 miles to the North. There are no reports of impacts to the Kankakee River.

#### 2.1.2 Response Actions to Date

The following response actions occurred during the day time operations on 3/17/14 from 0700 to 1900:

Buckeye Pipeline contractors onsite included Future Environmental; SET Environmental; CRA; Antea Group and Midwest Contractors. Future Environmental conducted vacuum truck operations. Midwest Construction conducted excavation and T&D operations. CRA conducted air monitoring and sampling activities. Antea Group conducted soil and residential drinking water sampling.

- Buckeye contractors continued removing impacted water from the suspected source area, interceptor trench, ponded area, and at the ditch near 1726 Indian trail road.
- Replacement pipeline sections were delivered. They were welded together to form the 2 replacement pipelines - 1-100 foot long, and 1-160 foot long pipeline.
- Buckeye contractors finished excavating soil from portion of pipes that run under IL-113. Both pipes were tapped in preparation for pumping and vacuuming remaining product from pipelines. Pipe tapping was overseen by personnel from USCG.
- Buckeye's contractor, CRA, performed air monitoring during excavation, in the spill areas and the residential area. A total of eight AreaRAEs were operating. In addition, MultiRAEs and Benzene UltraRAEs are used near the excavation and residential area. START monitored their live AreaRAE data periodically throughout day.
- U.S. EPA's contractor, Weston, performed air monitoring with a MultiRAE PID, Benzene UltraRAE, and documented site activities. VOC readings range from 0-10 ppm in the excavation area and non-detects in the residential area. Benzene readings were non-detect in the excavation and residential. Carbon Monoxide was non-detect in the residential and excavation area.
- Antea Group performed PID screening and sheen test on soil waste disposal pile currently staged south of Zone 1. Weston provided oversight of soil screening and performed sheen tests on the 2 soil samples with the highest and lowest readings.
- Antea Group conducted five soil boring samples using hand auger. The soil borings were then screened with a PID. The section with the highest PID reading had a soil sample collected from there. This brings total soil boring locations up to 18. They also collected 6 samples from excavation pit sidewalls beneath roadway, 3 on east side, 3 on west at 20 foot intervals. The highest PID reading was 2,326 ppm, the lowest was 6.0 ppm. START split 2 of these 6 samples. Samples will be submitted to a lab and analyzed for VOCs, PAHs, and TPH as DRO and GRO. Weston provided oversight of Antea Group's soil sampling activities.
- Antea Group continued collecting drinking water samples from residential homes.

#### The following response actions occurred during night operations from 3/17/14 (1700) to 3/18/14 (0700):

- Buckeye Pipeline contractors onsite included Future Environmental; CRA; Antea Group and Midwest Contractors. Future Environmental conducted vacuum truck operations. Midwest Construction conducted excavation, pipe cutting and T&D operations. CRA conducted air monitoring and sampling activities.
- Buckeye contractors continued removing impacted water from the excavation area, ponded area, and at the ditch near 1726 Indian trail road. Twelve soil trucks were hauled off Site.
- Buckeye contractors tapped the pipe using pneumatic drill. Product from the pipes were transferred into tanker trucks and hauled off site.
- Buckeye contractors excavated the top 6 inches of soil from the eastern portion of the field in Zone 2, along the mat road. Excavation extends approximately 200 linear feet north of IL-113.
- Buckeye's contractor, CRA, performed air monitoring during excavation, in areas of the spill and the residential area. Eight AreaRAE units are stationed surrounding the Site. In addition, MultiRAEs and Benzene UltraRAEs are used near the source and residential area. VOC readings ranged from 0-5 ppm PID. Benzene readings were non-detect.
- U.S. EPA's contractor, Weston, performed air monitoring with a MultiRAE PID, Benzene UltraRAE, and documented site activities. VOC readings range from 0-56 ppm in the excavation area and 0-0.4 ppm in the residential area. Benzene readings were 0-0.45 in the excavation and non-detect in the residential area. Carbon Monoxide was non-detect in the excavation and residential area.

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

The responsible party, Buckeye Pipeline has deployed contractors to address the release. On March 14, 2014, OSC Atkociunas issued Buckeye Pipeline personnel a Notice of Federal Interest, which was signed.

#### 2.1.4 Progress Metrics

Waste is being staged at Buckeye terminal. The soil will go to Laraway Landfill in Joliet, IL, product waste will go to Beaver oil and water/boom/PPE will go to Aaron oil in Alabama.

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
soil		830 yd3			staged at Buckeye terminal
water		31,100 gal			staged in frac tanks at Buckeye terminal
skimmed product		266 gal			staged in frac tanks at Buckeye terminal

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

#### 2.2.1.1 Planned Response Activities

Ensure the health and safety of responders and the public  
 Expose pipeline underneath highway, cut out suspect pipeline length (approx 100 ft/pipeline)  
 Construct, hydrostatic test, install, weld and test new length of pipeline  
 Inspect suspect pipeline length at nearby Kankakee Terminal.  
 Delineate extent of contamination via groundwater, soil, and residential well sampling  
 Monitor the Kankakee River for possible impacts  
 Excavate impacted soils  
 Collect impacted water, soil, and petroleum  
 Conduct monitoring and sampling, as necessary  
 Conduct oversight of Buckeye Operations  
 Document response activities.

#### 2.2.1.2 Next Steps

Buckeye Partners and Kankakee County Health has released a press release/statement indicating drinking water areas of concern and identify areas that are safe for drinking and use. It can be viewed at [www.kankakeeroute113release.com](http://www.kankakeeroute113release.com).

### 2.2.2 Issues

Documentation of off-site release of gasoline / product to the North of the Pipeline release point.

## 2.3 Logistics Section

START is providing monitoring, documentation, and oversight support. Buckeye Pipeline has mobilized vac trucks, excavation equipment, monitoring, and sampling equipment. The Incident Command Post is at the Hilton Garden Inn in Kankakee (455 Riverstone Parkway, Kankakee, IL 60901).

## 2.4 Finance Section

### 2.4.1 Narrative

An FPN was issued for \$80,000. OSC is monitoring EPA and START costs.

## 2.5 Other Command Staff

### 2.5.1 Safety Officer

EPA and START are providing health and safety oversight. US Coast Guard will provide additional Safety oversight as of 1200 3/17/14.

### 2.5.2 Liaison Officer

### 2.5.3 Information Officer

Francisco Arcuate

## 3. Participating Entities

### 3.1 Unified Command

USEPA, Buckeye Pipeline, Kankakee County EMA, Illinois EPA

### 3.2 Cooperating Agencies

Limestone Fire Department  
Kankakee County Health Department  
Kankakee Police Department  
United States Coast Guard  
ATSDR

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

EPA 2

START 5

USCG - 2

Buckeye / Contractors 80

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

No information available at this time.

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

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

[www.epaosc.org/BuckeyeKankakeeGas](http://www.epaosc.org/BuckeyeKankakeeGas)

[www.kankakeeroute113release.com](http://www.kankakeeroute113release.com) - PRP Website

##### **6.2 Reporting Schedule**

POLREPS will be issued ongoing.

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

No information available at this time.

POLREP #4 Last Updated 3/19/2014