

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #7
Buckeye Pipeline - Kankakee Gasoline Spill
Z5MX
Kankakee, IL
Latitude: 41.1435080 Longitude: -87.9022360

To: Mark Johnson, ATSDR
Valencia Darby, Department of Interior
Marc Miller, Illinois DNR
Todd Rettig, Illinois DNR
Lindy Nelson, U.S. DOI
Sam Borries, U.S. EPA
Mindy Clements, U.S. EPA
Jason El-Zein, U.S. EPA
Sherry Fielding, U.S. EPA
John Maritote, U.S. EPA
Mike Ribordy, U.S. EPA
Mark Retzlaff, Illinois EPA
John Bevis, Kankakee County Health Department
EPA HQs, U.S. EPA

From: Craig Thomas, OSC

Date: 3/21/2014

Reporting Period: 3/20/14-3/21/14

1. Introduction

1.1 Background

Site Number:	Z5MX	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	OPA	Response Type:	Emergency
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	3/14/2014	Start Date:	3/14/2014
Demob Date:	3/21/2014	Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	03/14/2014
FPN#:	E14508	Reimbursable Account #:	

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 pressure testing of replace lines confirm that they were withing casing underneath State Route 113. The release was itially 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

Response actions previous to 3/20/14 1900 are documented in previous Polreps 1 thru 6.

The following response actions occurred during operations from 3/20/14 1900 to 3/21/14 1100:

- Buckeye Pipeline contractors onsite included Future Environmental; SET Environmental; CRA; Antea Group and Midwest Contractors.
- Future Environmental continued removing impacted water from the suspected source area, interceptor trench, ponded area, and at the ditch near 1726 Indian trail road, as needed.
- 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 the morning of March 21.
- U.S. EPA's contractor, Weston, performed air monitoring with a MultiRAE PID. VOC readings range from 0-3 ppm in the excavation area and non-detects in the residential area. START deployed 3 Summa Canisters, 1 upwind and 2 downwind of the suspected source area. The samples were run approximatley 24-hours and submitted for TO-15 analysis. Samples were retrieved at approximately 10:30 am.
- SET and vac trucks staged at Zone 3 in the event of a release during pressure test. START documented staging; no sheen was observed.
- Buckeye's contractors "jeeped" the gold and blue replacement pipelines to identify any thin spots in the protective coating, and addressed them as necessary.
- Buckeye meet with a representative of the Illinois Department of Transportation to discuss requirements for restoring State Route 113.
- Buckeye's contractors then began backfilling around the 2 new sections of pipeline.
- Buckeye will continue investigation into the cause of the release.
- Buckeye began removal of additional potentially impacted soil north of State Route 113.
- Antea Group collected additional sidewall samples from excavation pit after pressure tests.
- Antea Group also collected additional soil samples from the "ATV trail area"
- All incident command meetings were suspended as the incident moved beyond the emergency phase.
- EPA OSC reviewed and approved Incident Action Plan for the next multi-day operating period.
- EPA OSC coordinating with Illinois EPA OSC and Kankakee Health Department.
- EPA OSC turned over the incident to Illinois EPA.

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 contaminated soil is going to Waste Management Laraway Landfill in Joliet, IL. Contaminated water and free product waste is being shipped 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>
contaminated soil		1049 yd3			staged at Buckeye terminal
contaminated water		55,160 gal			staged in frac tanks at Buckeye terminal

skimmed free product		430 gal			staged in frac tanks at Buckeye terminal
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2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

At the request of Kankakee Health Department USEPA completed collection of 24-hour air samples upwind and downwind of the Site using Summa Canisters to confirm the non-detects in the Community. Samples were submitted to the lab on the afternoon of March 21.

2.2.1.2 Next Steps

Results of the Summa Cansiter sampling will be shared with the Kankakee Health Department and Illinois EPA as soon as they have been received and validated.

2.2.2 Issues

The site is contained, the pipelines have been replaced, and no release of oil to surface water (Kankakee River) occurred.

2.3 Logistics Section

U.S. EPA and START have demobilized from the site.

2.4 Finance Section

2.4.1 Narrative

An FPN was issued for \$120,000. OSC is monitoring EPA and START costs.

EPA contractor WESTON has approved budget ceiling of \$73,000, with \$70,000 expended at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

EPA and START provided health and safety oversight.

2.5.2 Liaison Officer

2.5.3 Information Officer

Francisco Arcuate

3. Participating Entities

3.1 Unified Command

USEPA Region 5, 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

1 EPA OSC and 2 START were on Site for this reporting period. All EPA and START personnel have demobilized from the site.

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

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 #7 Last Updated 3/21/2014