

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #3
Progress
Buckeye Pipeline - Kankakee Gasoline Spill
Kankakee, IL
Latitude: 41.1435080 Longitude: -87.9022360

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From: Andrew Maguire, OSC

Date: 3/17/2014

Reporting Period: 3/16/2014 to 3/17/2014

1. Introduction

1.1 Background

Site Number:		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:		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 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 3/16/14 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 environmental surface water 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.
- Buckeye contractors began cutting and removing a portion of IL 113 and began excavating in the road to expose the pipes.
- Buckeye's contractor, CRA, performed air monitoring during excavation, in the spill areas and the residential area. Four additional AreaRAEs arrived today. A total of eight AreaRAEs were operating. In addition, MultiRAEs and Benzene UltraRAEs are used near the excavation and residential area.
- U.S. EPA's contractor, Weston, performed air monitoring with a MultiRAE PID, Benzene UltraRAE, and documented site activities. VOC readings range from 0-3.5 ppm in the excavation area and non-detects in the residential area. Benzene readings were non-detect in the excavation and residential. Carbon Monoxide ranged from 0-5 ppm in the excavation area which may have been due to the generators and trucks on idle. Carbon Monoxide was non-detect in the residential area.
- Antea Group conducted six soil boring samples using hand auger and/or geoprobe. The soil borings were then screened with a PID. The section with the highest PID reading had a soil sample collected from there. The 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 boring activities and collected 3 split soil samples.
- Antea Group collected drinking water samples from residential homes. A total of 35 homes have been sampled. Samples will be submitted to a lab and analyzed for VOCs and PAHs. START collected 4 split samples.
- Weston reviewed Buckeye pipeline contractor's sampling plans, air monitoring plan and work plan.

The following response actions occurred during night operations from 3/16/14 (1700) to 3/17/14 (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, interceptor trench, ponded area, and at the ditch near 1726 Indian trail road.
- Thirteen soil trucks were hauled off Site.
- 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 0-4.6 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 0-2 ppm in the excavation area and non-detects in the residential area. Benzene readings were non-detects in the excavation and 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		515 yd3			staged at Buckeye terminal
water		17,654gal			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.

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 \$50,000. 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.epaossc.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 #3 Last Updated 3/19/2014