

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
BNSF Galena Derailment - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #13  
Progress  
BNSF Galena Derailment  
E15510  
Galena, IL  
Latitude: 42.3744730 Longitude: -90.4443060

**To:**  
**From:** Jaime Brown, OSC  
**Date:** 6/4/2015  
**Reporting Period:** 4/24/2015 - 5/29/2015

## 1. Introduction

### 1.1 Background

<b>Site Number:</b>	E15510	<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>	3/5/2015	<b>Start Date:</b>	3/5/2015
<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>	E15510	<b>Reimbursable Account #:</b>	Z5PL

#### 1.1.1 Incident Category

Emergency Response

#### 1.1.2 Site Description

See POLREP #5

##### 1.1.2.1 Location

See POLREP #5

##### 1.1.2.2 Description of Threat

See POLREP #5

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

See POLREP #5

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

Removal of contaminated soils was completed between the tracks and the river. Limited backfilling commenced in the excavation area to maintain access by heavy equipment. Soil flushing operations continued to remove and recover crude oil from underneath the track ballast, with contaminated water treated in the on-site WTP. Removal of off-spec crude oil was completed, with storage tanks cleaned and removed from the Site. Field oversight personnel from Illinois EPA and US EPA continue to monitor activities.

#### 2.1.2 Response Actions to Date

Detailed daily reports of all work activities on Site are provided by BNSF to US EPA. These daily reports are posted in the 'documents' section of the website.

During this reporting period, the following field activities took place:

- Contaminated soils excavated from the ramp area were removed for disposal;
- Limited backfilling of the excavated area with clean sand was completed to maintain access;
- Crude oil was removed from storage tanks for transport to a refinery;
- Temporary storage tanks containing crude oil were emptied, cleaned and removed;
- Track ballast and access ramp areas continued to be flushed to remove & recover crude oil;

- Contact water continued to be collected & treated from an interceptor trench adjacent to the tracks;
- Water quality was monitored and sampled in Harris Slough if rainfall exceeded 1" in the area; and
- Roadway repairs & maintenance continued on Pilot Knob Road.

Water treatment plant effluent is sampled daily for laboratory analysis of the following parameters: BTEX, PNAs, Oil & Grease, pH & TSS. Soil samples taken to verify excavation grids are clean for backfilling were analyzed in a laboratory for BTEX and PNAs. Sampling results were provided to Illinois EPA, US EPA and US ACE on May 15. These results are posted on the website along with a map showing sample locations.

There continues to be no visual or monitoring data evidence to indicate that any spilled product has impacted either the Galena or Mississippi Rivers. There were no injuries at the Site or wildlife impacts reported during the reporting period.

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

See POLREP #5

### 2.1.4 Progress Metrics (totals to date)

<i><b>Waste Stream</b></i>	<i><b>Medium</b></i>	<i><b>Quantity</b></i>	<i><b>Manifest #</b></i>	<i><b>Treatment</b></i>	<i><b>Disposal</b></i>
Crude oil (from tankers)	liquid	221,421 gal*	various	refining	Continental Refining Co. Somerset, KY
Crude oil/water mixture	liquid	35,132 gal	various	refining	Continental Refining Co. Somerset, KY
Crude oil (from trench)	liquid	3,041 gal	TBD	refining	Continental Refining Co. Somerset, KY
Contact water	liquid	523,150 gal	none	on-site WTP	discharge to Harris Slough
Contaminated soil	solid	4,400 tons	various	disposal	Republic Waste Upper Rock Island Co LF East Moline, IL
Oily debris	solid	20 yd	NA	disposal	Republic Waste Upper Rock Island Co LF
General debris	solid	20 yd	NA	disposal	Republic Waste Upper Rock Island Co LF
Tanker cars	solid	12	NA	salvage	scrap

\* Final figure for crude oil transferred to trucks for transport to refinery, which varies from preliminary estimate of crude oil recovered from wrecked tankers by vac truck reported in previous POLREPs (230,242 gal).

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

- Contaminated soils will be identified and excavated from the area between the railroad tracks and the inland bluff according to a 'Roadway Assessment & Cleanup Plan;'
- Crude oil will continue to be flushed from underneath the track and recovered in a collection trench according to a 'Track Slope Supplemental Liquid Recovery Plan;'
- Surface water monitoring on the river will be discontinued according to a 'Surface Water Sampling & Monitoring Plan, Addendum 2' unless a sheen is observed on the water surface;
- Treatment of contact water will continue in the on-site water treatment plant;
- Restoration of the impacted area will commence under direction from USACE; and
- Illinois EPA will continue monitoring and oversight of continuing cleanup activities to ensure protection of public health & the environment in consultation with US EPA and other agencies;

All work plans referenced above are posted in the 'documents' section of the website.

#### 2.2.1.1 Planned Response Activities

Field personnel from the Illinois EPA Rockford Field Office continue to conduct oversight of cleanup activity. Restoration activity is under the direction of USACE project manager Donna Jones of the Rock Island District. A restoration work plan was submitted by BNSF to US ACE for review in early May.

#### 2.2.1.2 Next Steps

Illinois EPA, US EPA and US ACE will continue to coordinate in oversight of response and restoration activities.

### 2.2.2 Issues

None

## 2.3 Logistics Section

The ICP is now located adjacent to the Site.

## 2.4 Finance Section

No information available at this time.

## 2.5 Other Command Staff

### 2.5.1 Safety Officer

Safety briefings are held each day for individual contractor personnel by field supervisors.

### 2.5.2 Liaison Officer

NA

### 2.5.3 Information Officer

NA

## 3. Participating Entities

### 3.1 Unified Command

NA

### 3.2 Cooperating Agencies

See POLREP #5

## 4. Personnel On Site

FEDERAL: 1

STATE: 1

BNSF: 1

CONTRACTORS (ARCADIS, SunPro, J.F. Brennan): 11

TOTAL (estimated): 14

## 5. Definition of Terms

BNSF	Burlington Northern Santa Fe
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
FPN	Federal Project Number
gal	gallons
HASP	Health & Safety Plan
ICP	Incident Command Post
NPDES	National Pollution Discharge Elimination System
NPL	National Priorities List
OPA	Oil Pollution Act
OSC	On Scene Coordinator
PNA	Polynuclear Aromatic Hydrocarbon
POLREP	Pollution Report
PRP	Potentially Responsible Party
START	Superfund Technical Assessment and Response Team
TDD	Technical Direction Document
TSS	Total Suspended Solids
USACE	United States Army Corps of Engineers
WTP	Water Treatment Plant

## 6. Additional sources of information

### 6.1 Internet location of additional information/report

<http://www.epaosc.org/bnsfgalenaspill>.

<http://www2.epa.gov/il/galena-train-derailment>

### 6.2 Reporting Schedule

Another POLREP will be issued at the end of June.

## 7. Situational Reference Materials

No information available at this time.