

US EPA ARCHIVE DOCUMENT

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #11  
Progress  
BNSF Galena Derailment  
E15510  
Galena, IL  
Latitude: 42.3744730 Longitude: -90.4443060

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**From:** Jaime Brown, OSC  
**Date:** 4/7/2015  
**Reporting Period:** 3/25/2015 - 4/7/2015

**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>	

**ERNS No.:**

**State Notification:**

**FPN#:**

E15510

**Reimbursable Account #:** 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**

Excavation of contaminated soils was completed from the primary impacted area (between the railroad tracks and the river). Field oversight personnel from Illinois EPA and US EPA are monitoring excavation and water treatment activities.

**2.1.2 Response Actions to Date**

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

- Excavation of contaminated soils was completed from the primary impacted area;
- Contaminated soils were transported for disposal at a landfill;
- Contact water was collected and treated from the excavation area;
- Split samples were taken of water treated by the on site plant by US EPA;
- Split samples were taken of verification soil samples in the excavation by US EPA; 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 that an excavation grid is clear for backfilling are analyzed in a laboratory for BTEX and PNAs. US EPA collected split samples for independent laboratory analyses on 4/1/2015, with results and comparison pending at the time of this report.

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	liquid	230,242 gal	TBD	staged	TBD
Oil/water mixture	liquid	35,132 gal	TBD	staged	TBD
Contact water	liquid	125,000 gal	none	on site WTP	discharge
Contaminated soil	solid	2600 tons	various	disposal	Republic Waste Upper Rock Island County Landfill

					East Moline, IL
Oily debris	solid	20 yd	NA	disposal	same as above
General debris	solid	20 yd	NA	disposal	same as above
Tanker cars	solid	12	NA	salvage	scrap

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

- 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;
- Crude oil and oil/water mixture recovered from derailed tanker cars (currently staged in storage tanks) will be removed from the site; and
- Backfilling and restoration of the impacted area will commence.

#### 2.2.1.1 Planned Response Activities

Remediation activities continue under the direction of Illinois EPA Site Remediation Program Project Manager Jeffrey Guy. Illinois EPA provided guidance to BNSF regarding criteria for backfill material which will need to be imported to the excavation area. Illinois EPA issued a 'Construction Site Activity Storm Water General Permit' (ILR10U765) pursuant to NPDES regulations on 3/27/2015.

Field personnel from the Illinois EPA Rockford Field Office continue to conduct field oversight of cleanup activities.

#### 2.2.1.2 Next Steps

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

### 2.2.2 Issues

Representatives from US EPA and Illinois EPA participated in an 'After Action Meeting' on 3/27/2015 facilitated by IEMA. An 'After Action Report' will be prepared based on input obtained from representatives from most local agencies that participated in the response, which were all in attendance at the meeting.

## 2.3 Logistics Section

The ICP is located at Pilot Knob Road & the BNSF railroad tracks to support ongoing cleanup activities.

## 2.4 Finance Section

### 2.4.1 Narrative

The approved cost ceiling for overall response under FPN #E15510 is \$250,000. The cost ceiling for START contractor Tetra Tech EM is \$75,700.

### Estimated Costs \*

	Budgeted	Total To Date	Remaining	% Remaining
<b>Extramural Costs</b>				
ERRS - Cleanup Contractor	\$7,000.00	\$5,000.00	\$2,000.00	28.57%
START	\$75,700.00	\$66,000.00	\$9,700.00	12.81%
USCG Atl Strike Force	\$30,000.00	\$25,000.00	\$5,000.00	16.67%
<b>Intramural Costs</b>				
USEPA - Direct	\$75,000.00	\$55,000.00	\$20,000.00	26.67%
<b>Total Site Costs</b>				
	\$187,700.00	\$151,000.00	\$36,700.00	19.55%

\* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

## **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**

See Section 6.2.

## **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: 13

TOTAL (estimated): 16

## **5. Definition of Terms**

BNSF	Burlington Northern Santa Fe
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
FPN	Federal Project Number
HASP	Health & Safety Plan
ICP	Incident Command Post
IEMA	Illinois Emergency Management Agency
NPDES	National Pollution Discharge Elimination System
PNA	Polynuclear Aromatic Hydrocarbon
POLREP	Pollution Report
TDD	Technical Direction Document
TSS	Total Suspended Solids

## **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**

The next POLREP will be issued at the conclusion of restoration activities.

## **7. Situational Reference Materials**

No information available at this time.