

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #12  
Progress  
BNSF Galena Derailment  
E15510  
Galena, IL  
Latitude: 42.3744730 Longitude: -90.4443060

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Chief Randy Beadle, Galena FD  
Chuck Pedersen, Jo Daviess County EMA  
Ron Smith, Jo Daviess Co Board

**From:** Jaime Brown, OSC  
**Date:** 4/24/2015  
**Reporting Period:** 4/8/2015 - 4/23/2015

**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

**NPL Status:** Non NPL    **Operable Unit:**  
**Mobilization Date:** 3/5/2015    **Start Date:** 3/5/2015  
**Demob Date:**    **Completion Date:**  
**CERCLIS ID:**    **RCRIS ID:**  
**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**

Contaminated soils were removed for disposal and limited backfilling commenced in the excavation area. Soil flushing with clean water was conducted to remove and recover crude oil from track ballast and access ramp areas, with contaminated water treated in the on-site WTP. Off-spec crude oil was removed from storage tanks staged on site and shipped for refining. Field oversight personnel from Illinois EPA and US EPA continue to monitor activities.

#### **2.1.2 Response Actions to Date**

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

- Contaminated soils were transported for disposal at a landfill;
- Backfilling of the excavated area with clean sand commenced to support excavation of contaminated soil from the access ramp area;
- Additional contaminated soils were excavated from the access ramp to the impacted area;
- Track ballast and access ramp areas were flushed to remove & recover crude oil;
- Contact water was collected and treated from the interceptor trench adjacent to the track ballast;
- Crude oil recovered from derailed tanker cars was shipped for refining (approx. 94,000 gal shipped to date);
- Water quality was monitored and sampled in Harris Slough; 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. Sampling results from split samples taken by US EPA on 4/1/2015 were comparable to those taken by a contractor to BNSF Railway.

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>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Crude oil	liquid	230,242 gal	TBD	refining	Continental Refining Co. Somerset, KY
Oil/water mixture	liquid	35,132 gal	TBD	refining	Continental Refining Co. Somerset, KY
Contact water	liquid	269,400 gal	none	on-site WTP	discharge to Harris Slough
Contaminated soil	solid	3,568 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

## 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;
- Contaminated soils excavated from the ramp area will be removed for disposal;
- Crude oil and oil/water mixture transfer and transport for refining will be completed;
- Temporary storage tanks for crude oil and oil/water mixture will be emptied, cleaned and removed from the Site;
- Soil flushing with crude oil removal and recovery will be completed;
- Treatment of contact water will continue in the on-site water treatment plant;
- Backfilling of the impacted area will be completed; and
- Restoration of the impacted area will commence under direction from USACE.

#### 2.2.1.1 Planned Response Activities

Remediation activities continue under the direction of Illinois EPA Site Remediation Program Project Manager Jeffrey Guy. Field personnel from the Illinois EPA Rockford Field Office continue to conduct daily field oversight of cleanup activities. Restoration activities will commence under the direction of USACE project manager Donna Jones of the Rock Island District.

#### 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

Noney ...

### 2.3 Logistics Section

The ICP is located at Pilot Knob Road & BNSF Railway tracks.

### 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 - Mobile Command Post	\$7,000.00	\$2,767.00	\$4,233.00	60.47%
START	\$75,700.00	\$70,000.00	\$5,700.00	7.53%
USCG Atlantic Strike Force	\$30,000.00	\$25,000.00	\$5,000.00	16.67%
<b>Intramural Costs</b>				
USEPA - Direct	\$75,000.00	\$60,000.00	\$15,000.00	20.00%
<b>Total Site Costs</b>				
	\$187,700.00	\$157,767.00	\$29,933.00	15.95%

\* 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

A joint presentation on the response by US EPA and Illinois EPA was provided to the Region 5 Regional Response Team on April 22 in St. Louis, Missouri.

### 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 in mid-May.

## 7. Situational Reference Materials

No information available at this time.