

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 #9
Progress
BNSF Galena Derailment
E15510
Galena, IL
Latitude: 42.3744730 Longitude: -90.4443060

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Mark Razny, DOT PHMSA
Bruce Everetts, Illinois EPA
Blaine Kinsley, Illinois EPA
Captain Laura Petreikis, Illinois DNR
Steve Shults, Illinois IMT
Chief Randy Beadle, Galena FD
Chuck Pedersen, Jo Daviess County EMA

From: Jaime Brown, OSC
Date: 3/20/2015
Reporting Period: 3/17/2015 - 3/20/2015

1. Introduction

1.1 Background

Site Number:	E15510	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: 3/5/2015 **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

The sheet pile containment/isolation system was completed on 3/19/2015. The Illinois EPA Site Remediation Program accepted the Site and a project manager was assigned. The majority of EPA and USCG equipment, personnel and contract resources demobilized.

2.1.2 Response Actions to Date

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

- Daily surface water samples continue to be taken at the source and upstream/downstream locations;
- A sheet pile containment wall was installed around the impacted area to prevent contamination from entering the river as well as prevent inundation from potentially high seasonal water levels;
- Roadway repairs & maintenance continued on roads to & from the Site, particularly on Pilot Knob Road;
- Containment boom on Harris Slough was reduced and re-configured to optimize performance;
- The ICP was demobilized from the municipal park and re-located closer to the Site off Pilot Knob Road;
- Heavy equipment utilized to install the sheet pile containment wall was demobilized; and
- Equipment was mobilized to construct a water treatment system at the Site to treat contact water during excavation activities.

EPA and Illinois EPA worked with BNSF Railway to finalize a comprehensive work plan for site remediation, which involves excavation of the impacted soils for transport and disposal at a landfill. The following previously UC-approved work plans were integrated into one comprehensive Site Remediation Plan:

- 1) Site Health & Safety Plan
- 2) Traffic Control Plan
- 3) Security Plan
- 4) Construction Storm Water Prevention Plan
- 5) Worker Exposure Monitoring Plan
- 6) Surface Water Sampling & Monitoring Plan
- 7) Site Transfer Plan

- 8) Waste Management & Handling Plan
- 9) Post Excavation Soil Sampling Plan
- 10) Water Treatment Plan
- 11) Site Decontamination Plan
- 12) Sheet Wall & Drainage Trench Plan
- 13) Water Influx Contingency Plan
- 14) Oil Spill Contingency Plan
- 15) Site Demobilization Plan

The most recent version of these plans can be found in the 'documents' section of the website along with a spreadsheet showing an inventory and status of all work plans. This remediation plan was approved by the UC and will be submitted to the Illinois EPA by BNSF Railway for preliminary consideration in establishing a comprehensive plan for long term remediation under the guidelines of the Illinois EPA Site Remediation Program. The plan can be found in the 'documents' section of the website.

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	223,795 gal	TBD	staged	TBD
Oil/water mixture	liquid	25,417 gal	TBD	staged	TBD
Contaminated soil	solid	TBD	TBD	staged	TBD
Tanker cars	solid	12	NA	salvage	scrap

2.2 Planning Section

2.2.1 Anticipated Activities

- EPA will continue directing response actions & oversight to ensure protection of public health & the environment in coordination with Illinois EPA;
- The water treatment system will be assembled and tested;
- Preparations will be completed & excavation activities will likely commence;
- BNSF will continue containment/monitoring of the release with EPA oversight; and
- EPA will transition all oversight activities to Illinois EPA.

2.2.1.1 Planned Response Activities

Response activities will continue under the IAP for OP#10 (0700 3/17/2015 - 0700 03/25/2015).. Incident objectives will remain the same until the remediation phase of the project is transitioned to an Illinois EPA Site Remediation Program Project Manager (Mr. Jeff Guy).

2.2.1.2 Next Steps

EPA will continue to direct and oversee response activities and will coordinate closely with Illinois EPA in transition of oversight responsibilities.

2.2.2 Issues

Activities requiring track crossing continues to be closely coordinated by BNSF environmental, mechanical and operations personnel according to the rail schedule.

EPA is currently implementing a demobilization plan for personnel, equipment and resources. A formal memorandum documenting transition of Site oversight responsibility to Illinois EPA was forwarded to Illinois EPA Site Remediation Program Manager Joyce Munie on 3/20/2015. A copy of this document can be found in the 'documents' section of the website.

2.3 Logistics Section

The EPA Mobile Command Post (MCP) was demobilized on 3/20/2015. Remaining EPA staff (OSC Kimble) moved into an IMT personnel trailer closer to the Site. Sampling and response equipment was also demobilized on 3/20/2015.

2.4 Finance Section

2.4.1 Narrative

The approved cost ceiling for overall response under FPN #E15510 remains at \$250,000.

The cost ceiling for a TDD to START contractor Tetra Tech EM is being increased to \$75,700. The EPA Mobile Command Post was demobilized by ERRS contractor EQM under an existing Task Order. Approximately \$30,000 was set aside for the USCG Strike Team.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$7,000.00	\$6,000.00	\$1,000.00	14.29%
START	\$75,700.00	\$60,000.00	\$15,700.00	20.74%
USCG Atl Strike Force	\$30,000.00	\$25,000.00	\$5,000.00	16.67%
Intramural Costs				
USEPA - Direct	\$75,000.00	\$50,000.00	\$25,000.00	33.33%
Total Site Costs				
	\$187,700.00	\$141,000.00	\$46,700.00	24.88%

* 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

As construction of the sheet pile wall containment system was completed, all USCG AST members demobilized on 3/19/2015 & 3/20/2015. Safety briefings are still held each day for individual contractor personnel by their respective field supervisors.

2.5.2 Liaison Officer

EPA Region 5 Congressional Liaison Ronna Beckmann continues to keep local elected officials up to date on Site activities. A briefing for Congressional representatives is scheduled for 3/23/2015.

A briefing for the JoDaviess County Board, Social & Environmental Committee was held on 3/19/2015 at 7:00pm. Representatives from EPA, Illinois EPA, and JoDaviess County EMA presented at this meeting. USCG AST members were in attendance. The presentation given at this meeting can be found in the 'documents' section of the website.

2.5.3 Information Officer

EPA Public Information Officer Phillipa Cannon continues to respond to press inquiries and requests for interviews and information related to the incident. EPA Region 5 Community Involvement Coordinator Heriberto Leon is maintaining a website for the incident (see link in Section 6.2) and continues to post updates.

A radio interview was conducted with Rock Island, Illinois radio station WVIK on 3/19/2015. BNSF Railway held a press conference and event at the Site which included a tour of the work site on 3/19/2015. The press event was attended by at least 7 press outlets.

3. Participating Entities

3.1 Unified Command

The UC remains in place and consists of ICs from the following agencies:

US EPA Region 5 (FOSC Jeff Kimble)
Illinois EPA (Greg Kazmerski)
Jo Daviess County EMA (Chuck Pedersen)
BNSF Railway (Chuck Thomas)

3.2 Cooperating Agencies

See POLREP #5 for list of agencies cooperating in the response.

4. Personnel On Site

FEDERAL: 1
STATE: 1
LOCAL: 1
BNSF: 3
CONTRACTORS: 40

TOTAL (estimated): 46

OSC Ruesch and OSC Emmanouil demobilized on 3/19/2015 along with remaining START contractors. USCG AST members demobilized on 3/20/2015. OSC Kimble remains on Site serving as IC for EPA.

5. Definition of Terms

bgs	below ground surface
BNSF	Burlington Northern Santa Fe
CTEH	Center for Toxicology and Environmental Health LLC
ERRS	Emergency and Rapid Response Services
FPN	Federal Project Number
HASP	Health & Safety Plan
IC	Incident Commander
ICP	Incident Command Post
ICS	Incident Command System
IMT	Incident Management Team
MCP	Mobile Command Post
NRC	National Response Center
OP	Operational Period
OPS	Operations Section Chief

OSC	On-Scene Coordinator
POLREP	Pollution Report
SDS	Safety Data Sheet
Sitrep	Situation Report
START	Superfund Technology Assessment and Response Team
TDD	Technical Direction Document
UC	Unified Command
US FWS	United States Fish & Wildlife Service
VOC	Volatile Organic Compound

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 on March 24.

7. Situational Reference Materials

No information available at this time.