

US EPA ARCHIVE DOCUMENT

U.S. ENVIRONMENTAL PROTECTION AGENCY
 POLLUTION/SITUATION REPORT
 Kalamazoo River/Enbridge Spill - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region V

Subject: POLREP #3
 Kalamazoo River/Enbridge Spill
 Z5JS
 Marshall, MI
 Latitude: 42.2395273 Longitude: -84.9662018

To: David Chung, U.S. EPA
 Jason El-Zein, U.S. EPA
 Duty Officer, NRC
 Michael Chezik, US Department of Interior
 Linda Nachowicz, US EPA
 OSLTF USCG, USCG
 James Rutherford, Calhoun County Health Department
 Connie Gibson, Calhoun County Sheriffs office
 Cheryl Vosburg, City of Marshall
 Jill Slaght, 7th district of Michigan
 Ken Brock, 7th District of Michigan
 Bruce Vanotteren, MDNRE
 Brian Pierzina, PHMSA Central Region
 Thomas Hemminger, USCG Grand Haven
 Ronna Beckmann, U.S. EPA
 CAPT Stephen Torpey, USCG
 Scott Corbin, Allegan County EMA Director

From: Ralph Dollhopf, On-Scene Coordinator
 Stephen Wolfe, On-Scene Coordinator
 Jeffrey Kimble, On-Scene Coordinator

Date: 7/28/2010

Reporting Period:

1. Introduction

1.1 Background

Site Number:	Z5JS	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	OPA	Response Type:	Emergency
Response Lead:	PRP	Incident Category:	Removal Assessment

NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	7/26/2010	Start Date:	7/26/2010
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:	E10527	Reimbursable Account #:	

1.1.1 Incident Category

Emergency Response -- Pipeline Rupture

1.1.2 Site Description

A 30 inch pipeline ruptured releasing its contents (NRC report of 19,500 barrels) into a culvert leading to Talmadge Creek. Talmadge Creek leads to the Kalamazoo River. The site is along the River running from Marshall, Michigan to Battle Creek, Michigan. The River is bordered by marshland, residential properties, farm land, and commercial properties for the approximate 30 mile stretch of the affected river.

1.1.2.1 Location

Spill location origin is in Marshall, Michigan

1.1.2.2 Description of Threat

Crude oil is released from the pipeline and has entered a navigable waterway.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Approximately 30 miles of the Kalamazoo River have been impacted. The Kalamazoo River level is higher than normal because of recent heavy rain in the area impacting boom deployment and site monitoring activities. Talmadge Creek has been boomed at the confluence to the Kalamazoo River. Booms have been placed in several locations along the Kalamazoo River. Precautionary boom has also been deployed in Morrow Lake.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

USEPA has mobilized ERRS contractors to provide additional resources for personnel and oil skimming, containment, and recovery activities. Currently USEPA ERRS contractors have deployed 2,000 feet of boom.

RP has deployed boom and skimming equipment at a minimum of 17 locations along Talmadge Creek and the Kalamazoo River. Booms and skimming equipment have been deployed at 3 new locations. The RP has plans to deploy boom at several other locations depending on access.

Recovered material is being temporarily stored in frac tanks on site. Tanker trucks are then transporting the material to another facility of the RP with available storage (Griffith IN, approximately 100 miles). To date approximately 98,000 gallons of oil/water has been recovered, the amount of crude oil recovered is not known at this time.

No sheen has been observed on Morrow Lake at this time.

START is monitoring air quality along the river and throughout residential areas. Monitoring equipment includes UltraRAE, PPB RAE, Multi RAE, Draeger CMS Chip Reader, and AreaRAE. The 51st Civil Support Team is providing air monitoring assistance as well as air sampling expertise. The RP has contracted with CTEH to perform air monitoring services along the affected area.

US Fish and Wildlife Service is working with the wildlife team to address wildlife impacts. Rescue relocation areas have been sent up and a rehabilitation center for oiled animals will be in place by Thursday July 29, 2010.

The USCG Atlantic Strike Team is on scene to provide assistance with PRP and contractor oversight.

Governor Granholm and U.S. Congressman Schauer were on site.

Calhoun County Health and the Calhoun County Sheriffs Department are providing assistance as requested.

NTSB and USDOT-PHMSA are on site conducting an investigation of the pipeline incident and are working with the appropriate State, Local, and Federal agencies.

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

Enbridge is the PRP.

On July 27, 2010, USEPA issued an Administrative Order under section 311(c) of the Clean Water Act to Enbridge. Enbridge is actively addressing all the deliverables of the Order including but not limited to; drafting an overall site work plan; health and safety plan; and sampling and analysis plan.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

The RP is planning to boom an additional one to five locations depending on access.

USEPA contractors will continue deploying additional resources and setting boom.

Continue to recover oil from the river.

Continue air monitoring and sampling and water sampling.

2.2.1.1 Planned Response Activities

See Anticipated Activities

2.2.1.2 Next Steps

See Anticipated Activities

2.2.2 Issues

The Kalamazoo River level is higher than normal because of recent heavy rain in the area impacting boom deployment and site monitoring activities.

RP has been informed that a Superfund site (PCB cleanup) is occurring on the Kalamazoo River Downstream of Morrow Lake (approximately 35 river miles downstream). The RP has been advised to make all efforts necessary to ensure the oil does not reach the Superfund Site. The City of Plainwell, Michigan has proposed a strategy involving boom diversion and oil collection as a contingency in the event oil impacts the Superfund Site.

2.3 Logistics Section

We are supporting twenty four hour operations.

Currently seven OSCs and seven IMT and management are covering day and night operations. A full IMT is expected on Thursday July 29, 2010. Sixteen START contractors are on staff for day and night operations.

2.4 Finance Section

2.4.1 Narrative

The Oil Spill Liability Trust Fund has been accessed for U.S. EPA expenditures. FPN E10527

US Fish and Wildlife and the USCG have received a PRFA for their activities.

The RP is currently financing the cleanup operations.

2.5 Safety Officer

A 50 foot perimeter has been established as the hot zone around each vac truck. Personnel inside the area are wearing half face air purifying respirators due to benzene content. Workers in the area are using personal monitors for benzene.

US EPA is assisting the RP with drafting a site Specific Health and Safety Plan.

2.6 Liaison Officer

Approximately 20 State, Local, and Federal agencies are participating in the response.

2.7 Information Officer

2.7.1 Public Information Officer

RP has identified a PIO for the project. US EPA has mobilized 2 PIOs for the project.

2.7.2 Community Involvement Coordinator

3. Participating Entities

3.1 Unified Command

Enbridge (Responsible Party)
 US EPA
 Michigan Department of Natural Resources and Environment
 Michigan State Police Emergency Management Division
 Calhoun County Public Health Department
 Calhoun County Sheriff

3.2 Cooperating and Assisting Agencies

US Fish and Wildlife
 City of Marshall Health Department
 Pipeline and Hazardous Materials and Safety Administration
 The 51st Civil Support Teamstance
 USCG

4. Personnel On Site

EPA OSCs	EPA IMT	START
7	7	16

5. Definition of Terms

6. Additional sources of information

6.1 Internet location of additional information/reports

6.2 Reporting Schedule

7. Situational Reference Materials