

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
May 2010 Tennessee Floods – Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV

Subject:
POLREP #12
May 2010 Tennessee Floods
Nashville, TN

From: Steve Spurlin, On-Scene Coordinator
Date: 5/15/2010
Reporting Period: 0700 May 15, 2010 through 0700 May 16, 2010

1. Introduction

1.1 Background

Response Authority: Stafford Act	Response Type: Emergency
Response Lead: FEMA	Incident Category: Removal Assessment
NPL Status: Non NPL	Start Date: 5/3/2010
Mobilization Date: 5/3/2010	Start Notification: 5/2/2010

1.1.1 Incident Category

This is a response to severe flooding in portions of Western and Central Tennessee, which occurred due to heavy rains May 2 through May 3, 2010, and has been declared a National Disaster Area. To date, 42 counties have been declared.

1.1.2 Site Description

EPA has responded to extensive flooding in Central and Western Tennessee caused by heavy rain May 2 and May 3, 2010. Tennessee Emergency Management Agency (TEMA) activated their Emergency Operations Center (EOC) at the National Guard Armory in Nashville, TN. EPA Emergency Response and Removal Branch (ERRB) mobilized under a request from the Tennessee Department of Environment and Conservation (TDEC) under ESF-10 to conduct Oil and Hazardous Substance Assessment and Recovery in the designated counties of Tennessee.

1.1.2.1 Location

Currently EPA has set up an Incident Command Post (ICP) in Nashville at the TEMA EOC with Operations being conducted in Central (Nashville and surrounding counties) and Western (Memphis, Jackson and surrounding counties) Tennessee. When the EOC moves to the Joint Field Office (JFO), EPA will remain in the National Guard Armory.

1.1.2.2 Description of Threat

On May 2 through May 3, 2010, Central and Western Tennessee received approximately thirteen inches of rainfall, surpassing both six and twenty four hour record rainfall amounts. The excessive rainfall led to extensive flooding of river systems in Central and Western Tennessee.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

EPA is coordinating with TEMA, FEMA, and TDEC to assess impacted areas for oil and hazardous material releases. Currently, EPA Operations assessed previously unvisited areas along Cumberland River and determined that additional assessment is required. EPA Operations have also initiated recovery efforts. Hazardous materials discovered in impacted areas will be disposed of at a designated disposal facility. Operations include a River Recovery Team, a Land Recovery Team and an Assessment Team, all working under direction from the Nashville ICP.

2.1.2 Response Actions to Date

- The Planning Section continued collecting information for and contacting county convenience facilities to coordinate Household Hazardous Waste (HHW) operations.
- A Staging area for items collected was established at a former TDEC field office at 1000 Morgan Road, Nashville, TN.

Land Recovery Operations

Nestor Road (Browns Creek – Davidson County)

- The Team conducted oversight of ERRS clean up activities to address pockets of oil in Browns Creek.
- WRS ERRS procured Marion Environmental, Inc. (MEI), who mobilized a vacuum truck to collect oil from the creek. The recovered oil was transferred to a tanker truck for shipment to an approved disposal facility.

January Environmental (91 Van Buren St, Nashville, TN – Davidson County)

- The Team coordinated with clean up personnel to monitor and ensure adequacy of clean up efforts.

- January Environmental personnel continued clean up activities, including in the area behind (to the south) the facility.

Bridge Tank (5900 North Lick Creek Road - Nashville, TN – Williamson County)

- Williamson County reported the discovery of a leaking 300 gallon diesel tank to EPA. The tank was observed near a bridge over North Lick Creek. EPA coordinated with the County and dispatched a cleanup crew who completed recovery efforts of the tank and delivered the tank to the Staging Area in Joelton, TN.

River Recovery Operations

- The River Recovery Team traveled to Commodore Marina (Davidson County) to meet with CMC ERRS to begin recovery operations along the Cumberland River.
- The Team recovered two 500 gallon propane tanks, both of which were empty. The Team also recovered one empty gas cylinder, one 40 pound propane tank, and one empty poly drum. All hazardous materials that were recovered were taken to the Staging Area for disposal at an approved facility.
- The Team traveled downstream of Cheatham Dam to search for additional boat ramps to utilize as points of access.
- Due to bad weather, River Recovery Operations were suspended for the day. However, EPA will continue operations along the Cumberland River.

The table, below, provides a summary of the number and types of containers recovered to date.

Recovered Container Inventory 5/15/10	Oily Water Shipped (5,000 G Tankers)	Propane	Cylinders	Large Containers (> 85G)	Drums (30-85G)	Small Containers (< 30G)
Collected during this reporting period	0	3	1	1	25	5
Collected to date	4	3	1	1	25	5

Assessment Operations

- In addition to land recovery operations, OSC Dixon and START conducted Assessment activities. OSC Dixon received a report of the possibility of hazardous materials and / or releases at the Cheatham County Schools Bus Garage in Ashland City (Cheatham County) from Mr. Nile Baker, the Point of Contact at the school for clean up and restoration activities.
 - The Team conducted assessment at the location and observed oil pools inside and outside of the facility. PCC Cleaning & Restoration Co. out of Tulsa, Oklahoma is currently cleaning the facility.
 - Drums and propane tanks were also observed, which the hired cleaning company will be disposing of.
 - The Team discussed clean up expectations with the facility manager. EPA will follow up with this location.
- The Assessment Team spoke with Ms. Diane Williams, the Interim Director of Cheatham County Schools, who stated Kingston Springs Elementary School did not have any thermometers of concern, however if they observe any, they will contact EPA for assistance. This location should not require further follow up by EPA.

EPA Water Division Under ESF-3

Drinking and Waste Water Team

All Water Team personnel demobilized from the EOC on May 15, 2010. It was determined the state would continue drinking and waste water treatment activities. The State will notify EPA if further assistance is needed.

2.2 Planning Section

2.2.1. Anticipated Activities

ERRS will continue recovery operations in Cheatham County and along Nestor Road.

River Recovery Operations will continue along the Cumberland and Red Rivers.

2.2.1.1. Planned Response Activities

- The Planning Team will continue to contact county convenience centers to coordinate recovery operations.

- The River Operations Team will continue to conduct recovery activities along the Cumberland River in Davidson and Cheatham Counties.
- The Land Operations Team will continue to conduct recovery activities at Nestor Road in Davidson County.
- All information recorded during recovery operations will be reported to the Data Management Team.

2.2.2 Issues

2.3 Logistics

2.4 Finance Section

2.4.1 Narrative

FEMA issued Mission Assignment No. 1909DR-TN-EPA-01 (FOS) on May 6, 2010 in the amount of \$100,000 for assessment activities.

FEMA issued Mission Assignment No. MA1909DR-TN-EPA-02 (DFA) on May 6, 2010, in the amount of \$575,000 for continued assessments and removal in support of ESF-10.

FEMA issued a Mission Assignment No. 1909DR-TN-COE-LRD-04 to EPA under ESF-3 in the amount of \$360,000 for support and technical assistance. EPA accepted this mission assignment on May 8, 2010.

FEMA issued a mission assignment amendment to MA1909DR-TN-EPA-02 to extend the projected end date to 7/6/10. Also, the amendment adjusted the state cost share to 25% of this zero dollar amendment. Further clarification on state cost share will be obtained once the JFO opens on Monday, May 17, 2010.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
START – OTIE	\$65,000.00	\$39,901.00	\$25,099.00	38.61%
START – TTMI	\$64,000.00	\$26,675.00	\$37,325.00	58.32%
ERRS – WRS	\$200,000.00	\$21,000.00	\$179,000.00	89.50%
ERRS - CMC	\$100,000.00	\$10,000.00	\$90,000.00	90.00%
Intramural Costs				
USEPA – Direct	\$171,000.00	\$29,800.00	\$141,200.00	82.57%
Total Site Costs				
	\$600,000.00	\$157,176.00	\$442,824.00	73.80%

* 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 Safety Officer**2.6 Liaison Officer****2.7 Information Officer****3. Participating Entities****3.1 Unified Command**

TEMA is acting as the lead agency on this response and EPA is assisting TDEC in response actions. Currently the IC for EPA is OSC Spurlin.

3.2 Cooperating and Assisting Agencies

EPA continues to work closely with TDEC and supporting Agencies. TWRA is periodically providing a boat and personnel to assist with the River Assessment Team, as needed.

4. Personnel On Site

EPA - 5

START -5

ERRS - 21

River Recovery Operations

1 EPA, 1 START, 15 ERRS

Land Recovery Operations

1 EPA, 1 START, 10 ERRS

River Assessment Operations

1 EPA, 1 START, 1 ERRS

ICP

2 EPA, 2 START

5. Definition of Terms

6. Additional Sources of Information

6.1 Internet location of additional information/reports

EPA will post other information published on this incident under the documents tab of the website www.epaossc.org/2010TNFloods.

6.2 Reporting Schedule

EPA plans to publish a POLREP/SITREP for the incident on a daily basis. Starting with Polrep #9, Polreps can be found in the Documents section of the above listed website.

7. Situational Reference Materials