

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Pike County Flood - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV

Subject: POLREP #5
Completion of Recovery and Preparation for Disposal
Pike County Flood

Pikeville, KY
Latitude: 37.4792672 Longitude: -82.5187629

To:
From: Alyssa Hughes, On-Scene Coordinator
Date: 7/27/2010
Reporting Period: 7/24/10 0700 - 7/25/10 1800

1. Introduction

1.1 Background

Site Number:	B4A9	Contract Number:	
D.O. Number:		Action Memo Date:	
Response Authority:	CERCLA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	7/19/2010	Start Date:	7/20/2010
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Disaster Response

1.1.2 Site Description

On 7/17/2010, a heavy rainstorm caused localized flash flooding in Pike County, Kentucky, five miles east of Pikeville, Kentucky. Four fatalities were linked to the floods. By 7/20/2010 the Red Cross estimated that 79 homes had been completely destroyed, 86 received major damage, and 44 had received minor damage. By 7/18/2010 the local and state agencies began disaster recovery operations, and by 7/19/2010 federal agencies arrived for disaster assessment and recovery. On 7/19/2010, KYDEP requested EPA assistance in addressing various hazardous materials containers that had been spotted in debris piles along the washout corridor(s).

1.1.2.1 Location

The flooding encompasses several localities east of Pikeville within Pike County, Kentucky: Meta, Bent Branch, Zebulon, Raccoon, Justiceville, Millard, and Manowbone.

1.1.2.2 Description of Threat

The flood has washed away several hazardous materials containers and oil containers from residences and small commercial facilities. Materials within these containers present a threat of release or exposure to residents/responders if they are mishandled with other debris or if they are left unattended.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Containers that have been spotted by KYDEP and EPA assessment teams include: oil storage tanks (5-2000 gallon capacity), drums, totes, saddle tanks, and compressed gas cylinders. Also, several large propane tanks have been spotted and may present a fire or explosion hazard if they contain product under pressure.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

KYDEP requested EPA assistance on 7/19/2010; TEL dispatched R1 OSC Huyser, who arrived with START on 7/20/2010 and ERRS crews who arrived on 7/21/2010. START and KYDEP assessment teams collected data on hazmat containers using the DRAG with the Trimble GeoXT. ERRS crews collected

items that had been identified and tagged, then transported them to a staging area for processing.

Pike County Solid Waste Management has allocated a space for the staging area behind the county recycling center. Copies of the ESF 10 Operational Period Plan are being provided to the County EOC each day. By 7/21/2010 the NRCS, FEMA, Pike County Solid Waste Management, and Pike County Road Department were all been informed of KYDEP and EPA's activities and had notified their field personnel to report any hazardous material issues or orphaned containers; however, as of 7/23/2010, no new reports of containers have been submitted.

On 7/22/2010, FEMA announced that the event had reached the threshold for a federal disaster declaration. KYDEP had submitted a mission assignment request for federal technical assistance and direct federal assistance through the KY State EOC on 7/20/2010. The status of this mission assignment request will be monitored by EPA R4 to the RRCC and by KYDEP to the KY State EOC.

After refining response estimates, the decision was made not to pursue an ESF #10 mission assignment.

2.1.2 Response Actions to Date

During this reporting period the teams worked together to complete the recovery of remaining items in the following three areas: Johns Creek, Winns Branch and Meta. The track hoe was used in the Johns Creek area to retrieve the three 55-gallon drums located on the bank of the creek, approximately 25 feet below the roadway. In the Meta area located north of the staging area off Zebulon highway the teams completed the recovery of one large poly above ground storage tank, two 55-gallon drums, 1 large propane tank and several 5 gallon drums. Teams also completed the assessment and collection of orphaned containers in the Winn Branch area. One NRC report was received concerning a 100-lb propane tank located in the vicinity of Harliss Creek. KDEP officials traveled to the area to recover the tank.

These activities concluded the recovery of all known orphaned containers carrying or potentially carrying hazardous material or oil that presented a threat or a potential threat to human health and the environment.

On Sunday, July 25th EPA OSC Hughes, and most of the ERRS crew demobilized from the site. ERRS RM, Field Clerk, Equipment Operator, and one tech remained on site to prepare for the disposal of waste collected during the response. An inventory of all waste was compiled and plans for disposal were made. A total of 288 orphaned containers were collected. An inventory is attached in the documents section.

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

Owner permission is being sought before treading on private property. When available, commercial property owners are being encouraged to provide information on hazardous materials that may have been washed away from their facilities. Owners of containers will be sought prior to removing the container.

2.2 Planning Section

2.2.1 Anticipated Activities

Disposal of waste.

2.2.1.1 Planned Response Activities

- Assessments of hazardous material threats in the community; (COMPLETE)
- Coordinate response efforts with participating local/state/federal agencies; (ONGOING)
- Removal of hazardous materials; (COMPLETE)
- Disposal, treatment, and/or recycling of hazardous materials and/or containers; (NEXT STEP)

2.2.1.2 Next Steps

- Begin segregation and consolidation of recovered materials in the staging area in preparation for disposal.

2.2.2 Issues

No longer foresee the need for an OSC to backfill.

2.3 Logistics Section

- EPA OSC demobilized on Sunday 7/25.
- Majority of ERRS personnel and equipment demobilized on Sunday 7/25.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

N/A

2.6 Liaison Officer

By 7/21/2010 the NRCS, FEMA, Pike County Solid Waste Management, and Pike County Road Department were all been informed of KYDEP and EPA's activities and had notified their field personnel to report any hazardous material issues or orphaned containers.

2.7 Information Officer

2.7.1 Public Information Officer

N/A

2.7.2 Community Involvement Coordinator

N/A

3. Participating Entities

3.1 Unified Command

N/A

3.2 Cooperating Agencies

KYDEP

EPA

Pike County

4. Personnel On Site

KYDEP (2)

EPA (1)

START (1)

ERRS (8)

5. Definition of Terms

N/A

6. Additional sources of information

6.1 Internet location of additional information/report

N/A

6.2 Reporting Schedule

N/A

7. Situational Reference Materials

An ESF 10 Operational Period Plan has been posted for 7/24/2010.