

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Williams Drive - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV

Subject: POLREP #2
Progress Report
Williams Drive
B4A2
Ore Knob, NC
Latitude: 36.4010716 Longitude: -81.3333736

To:
From: Terrence Byrd, On Scene Coordinator
Date: 3/3/2011
Reporting Period: 06/01/10 - 03/03/10

1. Introduction

1.1 Background

Site Number:	B4A2	Contract Number:	
D.O. Number:		Action Memo Date:	6/15/2010
Response Authority:	CERCLA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	NPL	Operable Unit:	
Mobilization Date:	6/1/2010	Start Date:	6/1/2010
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category - Emergency

1.1.2 Site Description - Contaminated Drinking Water

1.1.2.1 Location - Ashe County, North Carolina

1.1.2.2 Description of Threat - Concentrations of metals that exceed Maximum contaminant levels for drinking and bathing

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Due to growing concern of elevated levels of metals precipitating into groundwater due to acid mine drainage, EPA's Remedial Branch performed a water sampling event in April, 2010. Initial samples were taken in areas believed to have the highest exceedances of metals concentrations with other residences to be sampled shortly thereafter. The samples were taken at the well head outside of the homes and at the water tap inside of the residences. EPA's Remedial Branch and Technical Services Section have analyzed results and determined that homes with a functional water filtration system or water softening device have metal contaminants below risk levels. However, some residences without these devices were determined to have manganese levels that exceed MCLs. Concentrations approaching 10,000 ppb were recorded. OSC Byrd executed an emergency action providing affected residents with potable water based on this information.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

EPA's ERRS contractor has been tasked to provide affected residents with bottled water and explore options to provide affected residents sources of water for dermal contact. EPA, as a preventative measure, provided potable water to any resident that requested it in addition to households identified to have contaminants that were above Maximum Contaminant Levels (MCLs) or Regional Screening Levels (RSL) (800 ppb for manganese) in drinking water. EPA's Remedial Program has taken the lead role in sampling households in the affected area.

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

2.1.4 Progress Metrics

<i># of Households Sampled</i>	<i># of Households Placed on Potable Water b/c of Possible MCL/RSL Exceedences</i>	<i># of Households Receiving Treatment Systems</i>	<i># of Households with Exceedences After Proper Installing/Adjustment of System</i>		
87	11	8	0		

2.2 Planning Section

2.2.1 Anticipated Activities

EPA plans to continue sampling homes in order to properly characterize the affected area.

2.2.1.1 Planned Response Activities

Initial and confirmation sampling, as well as water distribution will resume as needed.

2.2.1.2 Next Steps

A community meeting was held at which time local residents were informed of all EPA activities in the Ore Knob area (Ore Knob Mine Site and Williams Drive).

2.2.2 Issues

None at this time.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

No information available at this time.

4. Personnel On Site

No information available at this time.

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.