

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Bedford Anodizing - Removal Polrep
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #1
Initial -- site mobilization
Bedford Anodizing
C518
Macedonia, OH
Latitude: 41.2932640 Longitude: -81.5005240

To: Kevin Clouse, Ohio EPA
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Distribution List, National Response Center

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Date: 5/6/2011

Reporting Period: 03/21/11 through 05/6/11

1. Introduction

1.1 Background

Site Number:	C518	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:	4/15/2011	Start Date:	4/14/2011
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

CERCLA incident category: Active Production Facility

1.1.2 Site Description

Bedford Anodizing operates as an aluminum anodizing facility. The company originally began operations in 1978 in Bedford, Ohio, but has solely operated at the Macedonia, Ohio location after shutting the doors to the Bedford, Ohio location sometime around 1990. The Bedford Anodizing Site is located on approximately 21 acres of land. A building and covered storage area occupies approximately 5 acres of the property. The Site is located in an industrial area and is surrounded by wetlands. A creek borders the site to the east, behind the facility, and flows along the southern boundary of the site.

On March 18, 2011, the Summit County Environmental Services Department was called to the Site after learning that the sanitary sewer system had become blocked. Upon investigating, they learned that the facility had continued discharging their waste water containing Aluminum Hydroxide (which forms a gel under prolonged contact with water), and the material had backed up into a ditch on the facility.

Ohio EPA was informed of the spill and upon investigation, learned that the material had flowed along the ditch into a creek in the back of the facility and also into a nearby storm sewer which emptied on a neighboring property.

While replacing the blocked lateral, the ditch was excavated of the discharged material, however, no removal work was performed on the creek. Ohio EPA issued a Notice of Violation on March 18, 2011 and instructed the facility owner to clean the material out of the creek.

On March 21, 2011, Ohio EPA contacted US EPA for assistance as the facility owner was not performing any clean up actions. Ohio EPA and US EPA continued to work with the facility owner to perform the clean up; however, the facility owner repeatedly informed the agencies that he did not have the funds to properly clean up the spilled material. Sample results received from Ohio EPA indicated that the material contained

hazardous substances such as lead, chromium, nickel and zinc. On April 14, 2011, verbal authorization to spend up to \$50,000 was granted by the Chief of Emergency Response Branch 1 to begin removal actions to mitigate the spill at the site. On April 28, 2011 verbal authorization was granted by the Chief of Emergency Response Branch 1 to increase the ceiling to \$200,000.

1.1.2.1 Location

The Bedford Anodizing Site is located at 7860 Empire Parkway, Macedonia, Summit County, Ohio. The geographical coordinates for the Site are 41° 17" 35' North latitude and -81° 30" 1' West longitude.

1.1.2.2 Description of Threat

Aluminum Hydroxide (a component of the wastewater) was discharged into two creeks. The two creeks travel into wetlands and eventually merge, before emptying into the Brandywine creek, located less than 1 mile downstream. Aluminum Hydroxide forms a gel under pro-longed contact with water. Analytical results of the spilled material indicated that hazardous substances (heavy metals such as lead, nickel, chromium, and zinc) were present in the discharged material.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

A site walk conducted on March 21st revealed approximately 1,000 feet of an un-named creek was impacted on the facility's property ranging from 1 to 3 feet deep of material. In addition, approximately 1,000 feet of a second un-named creek was affected with several inches of the material settled to the bottom.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

On April 15, 2011 US EPA and the ERRS Response Manager performed a site walk to discuss removal options.

On April 22, 2011, ERRS began mobilizing equipment, creating access points to the creek behind the facility, and built access roadways from the street to the creek behind the facility using crushed stone.

For the week of April 25, 2011 ERRS continued to build access roadways and constructed a dam across the creek to dry out the creek bed in order to excavate the impacted area. Heavy rains caused work cancelation several days during the week.

On May 2, 2011, ERRS began consolidating the material in the upstream side of the creek; however the wet conditions were unsuitable for proper excavation. In order to promote drainage, two beaver dams, located downstream of the impacted area, were taken out to increase the flow of water.

On May 3, 2011, work was canceled due to heavy rains.

On May 4, 2011, the work area was flooded due to the rains the previous day. A larger pump was mobilized to reroute the creek around the work area. Additional damming was installed to aid in isolating the work area.

On May 5, 2011, ERRS continued to work on dewatering the work zone. Additional drainage creeks were discovered that will hinder progress. US EPA, START and ERRS investigated alternative options for the work plan.

On May 6, 2011, dewatering of the work area continued.

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

Bedford Anodizing currently continues operations. The owner of Bedford Anodizing has been identified, although he has informed US EPA and Ohio EPA that performing the clean-up work would bankrupt the company.

2.1.4 Progress Metrics

Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal

2.2 Planning Section

2.2.1 Anticipated Activities

Dewater work areas and excavate contaminated material from the creek bed
Construct a mixing pit to dry the excavated material in preparation of transportation and disposal
Upon receipt of an access agreement, begin clean-up action in the creek on the neighboring property
Restoration of work areas

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

2.2.2 Issues

Inclement weather (Heavy Rains) is delaying the response actions

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

2.5.1 Safety Officer

A site-specific HASP has been developed for the site. Daily H&S meetings are held prior to the start of each workday.

2.6 Liaison Officer

2.7 Information Officer

2.7.1 Public Information Officer

2.7.2 Community Involvement Coordinator

3. Participating Entities

3.1 Unified Command

3.2 Cooperating Agencies

Ohio EPA is continuing with enforcement actions at the site and assisting US EPA as necessary.

Summit County Environmental Services are assisting US EPA as necessary.

4. Personnel On Site

US EPA
START - Weston Solutions
ERRS - Environmental Restoration (ER)

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.