

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Deep South Plating - Removal Polrep
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV

Subject: POLREP #1
Initial POLREP
Deep South Plating
B465
Prattville, AL
Latitude: 32.4304062 Longitude: -86.4634645

To: Jim McGuire, USEPA R4 ERRB
Matt Taylor, USEPA R4 ERRB
Jim Webster, USEPA R4 ERRB

From: Jeffery Crowley, On-Scene Coordinator

Date: 3/15/2010

Reporting Period: 3/10/2010 - 3/12/2010

1. Introduction

1.1 Background

Site Number:	B465	Contract Number:	EP-S4-0703
D.O. Number:	0703-F4-0061	Action Memo Date:	3/15/2010
Response Authority:	CERCLA	Response Type:	Emergency
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	3/10/2010	Start Date:	3/10/2010
Demob Date:	3/12/2010	Completion Date:	
CERCLIS ID:	ALN000410540	RCRIS ID:	
ERNS No.:		State Notification:	3/8/2010
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

CERCLA Incident Category: Inactive Production Facility

1.1.2 Site Description

1.1.2.1 Location

The Site is located at 914 Industrial Park Road, Prattville, Alabama (32.4304062 latitude, -86.4634645 longitude). The site is a 0.60-acre inactive electroplating facility.

The land use of the surrounding area is industrial with many businesses surrounding the Site. It is also bordered by Industrial Park Road to the east and north. The nearest human population is approximately 700-feet from the Site. Autauga Creek is located approximately 400-feet and down-gradient of the Site.

Deep South Plating was an electroplating facility that operated from sometime in the early 1980's until as recently as 2009. The main process conducted at the facility was zinc and nickel electroplating. The site consists of the main process building, a small storage shed, and the facilities former waste water treatment system.

1.1.2.2 Description of Threat

Field screening of the wastes on site showed pH readings of most of the fluids being below 1 or above 14; this also includes water collecting on the floor of the building. Some of the other materials located on site that are defined as hazardous substances by section 101(14) of CERCLA include: muriatic acid, nickel sulfate, sodium cyanide, zinc cyanide, and sulfuric acid. Also located outside the building were several drums of what appeared to be used oil.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The Deep South Plating Site was referred to ERRB by Alabama Department of Environmental Management (ADEM) on March 8, 2010 for consideration as a Removal Site Evaluation (RSE) after the Site was referred to them by the City of Prattville Fire Department (PFD) due to the presence of the hazardous materials located on the property.

On March 10, 2010 OSC Jeff Crowley mobilized to the Site with members of Superfund Technical Assessment and Response Team (START) personnel to conduct a RSE. During a reconnaissance of the Site, OSC Crowley discovered approximately 25-30 containers (55-gal drums, 5-gal buckets, mini-drums) on the site, located near a public road bordering the Site. In addition, the main plating building was not secure as a large bay door was missing with the plating lines still in the building. Based on pH readings taken from the drums and plating lines it was determined that the containers contained high levels of caustic and corrosive materials. The OSC decided that the drums and other open containers needed stabilization and had the Region 4 Telephone Duty Officer initiate an emergency response action on March 10, 2010.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

As stated earlier, an emergency response action to stabilize all containers was initiated on March 10, 2010. START was already onsite due to the RSE and began the process of sampling all containers, photo documenting the site and conducting air monitoring. ERRS crews arrived onsite on March 11, 2010. ADEM and PFD also remained onsite to assist ERRB should they need it. For a detailed list of actions completed, please refer to section 2.1.2 of this POLREP.

2.1.2 Response Actions to Date

The following response actions were completed during this reporting period:

- All drums located outside the building were overpacked (if needed) and moved inside and placed on pallets to avoid contact with the standing water on the floor of the building.
- All contaminated soil (visible), including nickel solids, oils, and stained, were removed and placed into drums and moved inside the building.
- All free liquids located in open top drums, vats, and the floor were pumped into totes and segregated according to pH with neutral liquids being bulked with high-pH liquids due to the presence of cyanide.
- START then sampled all of the waste streams and collected all necessary sampling for disposal of the wastes.
- The building was then secured by enclosing the doorways and other access points.

START, ERRS, and EPA demobilized from the Site on March 12, 2010. The Emergency Action Memorandum was completed and signed on March 15, 2010.

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

OSC Crowley made contact with the current property owner in order to gain access and divulge EPA's involvement in the Site. Enforcement Activities are ongoing for the Site.

2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

All emergency response (ER) activities have been completed at this Site. Results of the sampling will arrive in the next week or two and be analyzed by the OSC. It is expected at a minimum that a time-critical removal action will be needed to dispose of all materials bulked during the ER. A determination will also be made on whether or not there is soil contamination and any soil removal is needed.

The final thing that will be determined is the integrity of the building and its foundation. As stated earlier, there were very low pH liquids pooled on the ground of the building and a determination of the foundation could not be made during the ER due to the amount of debris in the building. Also noted during the ER was that the cinder block wall of the building had a green staining indicating saturation from the byproducts of the plating process. A removal of the building itself may be needed.

2.2.1.2 Next Steps

The OSC will prepare conduct an IGCE and ceiling increase action memorandum (if needed) for the remainder of the work at the Site.

2.2.2 Issues

The main issue at the building is security. Though ERRS secured the building, it is not a permanent solution. The OSC asked PFD to conduct patrols of the building to make sure there is no vandalism and trespassing until EPA returns to complete the removal.

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$95,000.00	\$0.00	\$95,000.00	100.00%
TAT/START	\$20,000.00	\$0.00	\$20,000.00	100.00%
Intramural Costs				
USEPA - Direct	\$1,000.00	\$0.00	\$1,000.00	100.00%
Total Site Costs				
	\$116,000.00	\$0.00	\$116,000.00	100.00%

* 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 Other Command Staff

2.5.1 Safety Officer

2.6 Liaison Officer

2.7 Information Officer

The City of Prattville released a statement to the media on March 12, 2010 regarding Site activities. The OSC coordinated with EPA Region 4 Office of External Affairs for any questions that may arise for the EPA.

3. Participating Entities

3.1 Unified Command

The following groups participated in this response:

ADEM Assessment Section, Land Division
ADEM Office of Emergency Response
Prattville Fire Department

3.2 Cooperating Agencies

4. Personnel On Site

To date the following personnel were present onsite during this reporting period:

1 EPA OSC
2 EPA
4 ERRS (WRS)
3 START (Otie)
4 ADEM
3 Prattville Fire Department
1 Prattville City Councilman
1 Prattville Planning Office

5. Definition of Terms

No information available at this time.

6. Additional sources of information

6.1 Internet location of additional information/report

For additional information, please refer to "Documents" on www.epaosc.org/deepsouth.

6.2 Reporting Schedule

7. Situational Reference Materials

No information available at this time.

POLREP #1 Last Updated 3/16/2010