

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Custom Metal Finishing - Removal Polrep
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #1
Custom Metal Finishing
C522
Shelby, MI
Latitude: 43.6212000 Longitude: -86.3694000

To:
From: JAIME BROWN, OSC
Date: 12/13/2011
Reporting Period:

1. Introduction

1.1 Background

Site Number:	C522	Contract Number:	
D.O. Number:	CM583	Action Memo Date:	9/14/2011
Response Authority:		Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:		Operable Unit:	
Mobilization Date:	11/14/2011	Start Date:	11/14/2011
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

The Site is categorized as a Time Critical Removal Action.

1.1.2 Site Description

The Custom Metal Finishing Site is located at 763 Industrial Park Drive in Shelby, Michigan. The site building main structure is a warehouse with an office addition. The warehouse contains a plating shop, office, and an additional room.

1.1.2.1 Location

The Site is located in an industrial area and is surrounded by an industrial building to the south, a wooded area to the west, a residential building to the north, and Industrial Park Drive to the east. The geographical coordinates for the building are 43.6224 degrees north latitude and 86.3702 degrees west longitude.

1.1.2.2 Description of Threat

On July 26, 2010, Michigan Department of Environmental Quality (MDEQ) received a complaint regarding the abandoned drums at the Custom Metal Finishing Site. MDEQ staff inspected the site the next day and confirmed the presence of numerous abandoned drums, vats, and containers inside the building. MDEQ staff referred the site to its Office of Criminal Investigation (OCI). MDEQ-OCI conducted a joint criminal investigation in conjunction with U.S. EPA – Criminal Investigation Division. The criminal investigation was concluded on December 13, 2010 and MDEQ referred the site to U.S. EPA – Emergency Response Branch for assessment and removal.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

The building at the site was found to contain uncontrolled hazardous wastes (including containers labeled hexavalent chromium, cyanide solution, sodium cyanide, muriatic acid, sulfuric acid, and cyanide copper). Numerous vats, drums, and small containers of various sizes were found opened and unlabeled both inside the buildings and around the grounds. Eight gasoline containers were observed on-site containing what appeared to be plating waste. U.S. EPA quantified the containers on-site that included seventy-two 55-gallon drums, seven vats, and multiple other small containers. Four waste liquid samples were collected yielding pH results that were characteristically hazardous or TCLP levels that were characteristically hazardous according to the characteristic of corrosivity and toxicity as defined by 40 C.F.R. § 261.22 and 261.24.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

2.1.2 Response Actions to Date

On November 14, 2011 ERRS began setup of the site for a weekly work schedule. Collected tires around the site and placed them into a trailer behind the building for disposal/recycling. Cleaned up wood debris scattered around the building and placed them in a pile behind the building. Collected empty and full containers around the site and placed them inside of the building.

On November 15, 2011 ERRS began prepping and organizing facility for sampling. Contractors collected all aerosols and other small containers for inventory and disposal. Contractors began consolidating empty and full containers within the facility.

On November 16, 2011 ERRS continue organizing facility to prep for decontamination work and sampling. Contractors consolidated empty and full containers within the facility.

On November 17, 2011 ERRS continue organizing facility to prep for decontamination work and sampling. Contractors numbered drums for sampling and inventory. Contractors also began sweeping areas of the facility to prep for pressure washing.

On November 18, 2011 ERRS secured site for demobilization and demobilized equipment and personnel from the site.

On November 22, 2011 ERRS mobilized to the site to have the security fence installed in the entrance of the facility.

On December 5, 2011 ERRS and START mobilized to the site and begin setting up for the weekly activities. Work zones were set-up within the building (CRZ, Hot Zone, and Support Zone). Rental heaters were delivered and installed by electricians (M&I Electric). Water meter was installed within the building and turned on. One 30 yard roll-off was delivered for disposal of non-hazardous waste and trash. ER began cutting up tires for disposal.

On December 6, 2011 ERRS continues cutting up tires for disposal, and finish setting up the site for the weekly activities. The contractors begin sampling containers in the facility and the chemist begins hazard characterization of waste streams.

On December 7, 2011 ERRS finished loading the office trailer and running the water line. The crew continued cutting tires behind the facility for waste disposal. ERRS crew continued sampling the containers in the facility while the chemist conducted hazard characterization of waste streams.

On December 8, 2011 ERRS continued sampling and hazard characterization inside the facility. Tire cutting continued behind the facility for waste disposal. The crew also began cutting empty containers within the facility for disposal and loading the trash pile behind the facility into roll-offs. A portable septic tank was installed for the office trailer and a hand wash station was delivered.

On December 9, 2011 there were two hazardous and one non-hazardous roll-offs delivered for disposal. The crew also completes cutting up empty containers for disposal and continues cutting tires.

On December 10, 2011 ERRS crew begins loading items into the hazardous and non-hazardous roll-offs. The crew completed cutting the tires at the facility and began cutting and disposing of debris within the facility.

Air Monitoring

START conducts daily air monitoring using the MultiRae, VRAE with cyanide monitor and the pDR. There have been no exceedances above background level in the facility.

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

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

- Continue removing hazardous and non-hazardous debris from building
- Obtain waste management approval

- Review HazCat data to develop waste groups
- Clean out semi-trailer behind facility
- Transfer drums
- Collect soil samples from behind building.
- START will continue conducting air monitoring

2.2.2 Issues

None

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

All on-site agencies and companies will designate 1 person for their supervisor/safety lead

A site specific Health and Safety plan is signed and on-site.

2.5.2 Liaison Officer

OSC Brown will handle all public/local/media interests at the site.

2.5.3 Information Officer

3. Participating Entities

3.1 Unified Command

No unified command. This is a time-critical site and the OSC has the lead for the project.

3.2 Cooperating Agencies

MDEQ

4. Personnel On Site

- 1 U.S. EPA OSC
- 1 ERRS RM
- 1 ERRS Chemist
- 1 ERRS EO
- 3 ERRS Crew
- 1 START

5. Definition of Terms

- VOC = Volatile Organic Compound
- OSC = On-Scene Coordinator
- ERRS = Emergency and Rapid Response Services contractors
- START = Superfund Technical Assessment and Response Team

6. Additional sources of information

6.1 Internet location of additional information/report

6.2 Reporting Schedule

Polreps will be issued on a biweekly basis from this point.

7. Situational Reference Materials

No information available at this time.