

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Waunakee Alloy - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #7  
Progress  
Waunakee Alloy  
C56H  
Waunakee, WI  
Latitude: 43.1941564 Longitude: -89.4503010

**To:**  
**From:** Andrew Maguire, On-Scene Coordinator  
**Date:** 9/25/2015  
**Reporting Period:** 9/21/15 - 9/25/15

## 1. Introduction

### 1.1 Background

|                            |           |                                |                |
|----------------------------|-----------|--------------------------------|----------------|
| <b>Site Number:</b>        | C56H      | <b>Contract Number:</b>        | EP-S5-08-02    |
| <b>D.O. Number:</b>        |           | <b>Action Memo Date:</b>       |                |
| <b>Response Authority:</b> | CERCLA    | <b>Response Type:</b>          | Time-Critical  |
| <b>Response Lead:</b>      | EPA       | <b>Incident Category:</b>      | Removal Action |
| <b>NPL Status:</b>         | Non NPL   | <b>Operable Unit:</b>          |                |
| <b>Mobilization Date:</b>  | 7/27/2015 | <b>Start Date:</b>             | 7/28/2015      |
| <b>Demob Date:</b>         |           | <b>Completion Date:</b>        |                |
| <b>CERCLIS ID:</b>         |           | <b>RCRIS ID:</b>               |                |
| <b>ERNS No.:</b>           |           | <b>State Notification:</b>     |                |
| <b>FPN#:</b>               |           | <b>Reimbursable Account #:</b> |                |

#### 1.1.1 Incident Category

CERCLA incident category: Inactive production facility

#### 1.1.2 Site Description

The Site is the former location of the Waunakee Alloy Castings Corporation which ceased operations in 2009. The Site contains one large main building where casting operations occurred and five smaller surrounding outbuildings that contain molds and other artifacts that were needed in the facility's processes when it was still in operation. A small office building is located in the southwest corner of the Site. There are various hazardous material issues throughout the Site.

##### 1.1.2.1 Location

The Waunakee Alloy Facility is located in Waunakee, Dane County, WI. The site is an abandoned metal castings facility.

The site borders a park and six mile creek to the south, Madison St to the west, and resident homes to the north and east.

##### 1.1.2.2 Description of Threat

The main contaminants are elemental mercury and PCB's (Aroclor-1248 and Aroclor-1254). The areas with the most significant contamination are the eastern end of the main building and the voltage room. Flammable and corrosive chemicals were also identified on the site.

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

See previous POLREPs for weekly summaries of the activities completed.

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START continued to perform perimeter dust monitoring using DataRAM's and Viper on the north, south,

east, and west sides when the weather permitted, no dust readings were detected above background levels. On 9/25 START moved the DataRAM in location #3 to the area where ERRS was loading sand into roll offs to monitor particulate levels in the immediate area. START continued to screen areas where ERRS had cleaned to ensure mercury contamination had been removed from the area. On 9/21 START assisted ERRS in collecting composite samples from the cubic yard boxes of foundry sand collected during the previous week. The composite samples will be analyzed for TCLP, Total Metals, and PCB's. On 9/24 ERRS conducted a small scale version of the encapsulation process we will be utilizing for the mixed PCB/mercury waste collected from the floor to test the processes effectiveness. Once the encapsulation was completed within a sample jar it was sent to the lab to be analyzed for TCLP.

ERRS continues to vacuum foundry sand and foundry sand that is contaminated with mercury inside the building. Debris was segregated and moved to the roll off-box for disposal. Mercury Vacuum was used on the foundry sand with high levels of mercury. A drum vacuum is being used on the foundry sand with low mercury readings.

ERRS has received bids for all waste disposal at the site, we will now be able to begin removing containerized waste from the facility.

### 2.1.2 Response Actions to Date

See previous POLREPs for weekly summaries of the activities completed.

ERRS continued vacuuming and segregating foundry sands based on START mercury assessment findings.

START completed mercury screenings of areas which ERRS had finished cleaning, conducted perimeter dust monitoring, collected samples and sent them to the lab for analysis, and documented site activities.

### 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> |
|-------------------------|---------------|-----------------|-------------------|------------------|-----------------|
| RCRA empty drums/debris |               | 30 cu yds       | T 429609          |                  | landfill        |
| RCRA empty drums/debris |               | 30 cu yds       | T 429616          |                  | landfill        |
| RCRA empty drums/debris |               | 30 cu yds       | T 429618          |                  | landfill        |

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

#### 2.2.1.1 Planned Response Activities

ERRS will continue and finish removing foundry sand located throughout the building.

ERRS will decontaminate areas stained with PCB residue.

START will continue to perform daily perimeter dust monitoring and conduct mercury vapor screenings of rooms as ERRS completes their cleaning. START will also continue to document and monitor site activities.

ERRS will begin to remove waste from the facility for disposal.

#### 2.2.1.2 Next Steps

Complete removal of foundry sand, and mercury and debris from inside the building.

Dispose of all Hazardous and Non-Hazardous Waste.

#### 2.2.2 Issues

No issues are anticipated during the coming week of work.

## 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

### **3.2 Cooperating Agencies**

Wisconsin Department of Natural Resources  
Village of Waunakee

### **4. Personnel On Site**

US EPA - 1  
START - 1  
ERRS - 8

### **5. Definition of Terms**

OSC: On-Scene Coordinator  
ERRS: Emergency and Rapid Response Services  
START: Superfund Technical Assessment and Response Team

### **6. Additional sources of information**

#### **6.1 Internet location of additional information/report**

[www.epaosc.org/waunakeealloy](http://www.epaosc.org/waunakeealloy)

#### **6.2 Reporting Schedule**

POLREPs will be sent on a weekly basis during field activities.

### **7. Situational Reference Materials**

No information available at this time.