

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Hard Chrome Plating Site - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #7  
Progress  
Hard Chrome Plating Site  
C57Z  
Grand Rapids, MI  
Latitude: 42.9356380 Longitude: -85.6435440

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**From:** Elizabeth Nightingale, OSC and Kim Churchill, OSC

**Date:** 2/1/2016

**Reporting Period:** 1/25/16-1/29/16

**1. Introduction**

**1.1 Background**

<b>Site Number:</b>	C57Z	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	10/5/2015
<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>	11/30/2015	<b>Start Date:</b>	11/30/2015
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>	MIN000505853	<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

**1.1.1 Incident Category**

Time Critical Removal Action

**1.1.2 Site Description**

The site is a former chemical plating facility, currently owned by the Kent County Land Bank. When the property tax reverted, historically accumulated plating wastes were abandoned in the building, and discovered by the Land Bank.

**1.1.2.1 Location**

The site is located at 1516 Blaine Avenue SE, Grand Rapids, Kent County, Michigan 49507. The site totals approximately 1/4 acre, and contains a one story industrial building and an open lot. The site was recently occupied by the Hard Chrome Plating and HCP Finishing LLC companies, and tax reverted to the Kent County Land Bank in 2014.

#### **1.1.2.2 Description of Threat**

See POLREP 1.

#### **1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results**

See POLREP 1.

### **2. Current Activities**

#### **2.1 Operations Section**

##### **2.1.1 Narrative**

##### **2.1.2 Response Actions to Date**

##### **2.1.2.1 Actions During Reporting Period**

Over the reporting period, work focused primarily on the following activities:

- Continuing to implement air monitoring program
- Continuing to clear debris from within the building and decontaminate building floors. Non-hazardous debris is being consolidated in rolloff boxes. Sweepings are consolidated in cubic yard boxes for disposal.
- Continuing to remove liquids and solids from vats, and dismantle vats. To date, 7 vats have been evacuated and fully or partially dismantled. Evacuation of the remaining vats was completed over this reporting period. The entire nickel plating line has been dismantled, and vats evacuated and staged for disposal/recycling. We completed evacuating vats in the chrome plating line this reporting period. After the vats are evacuated, we are removing them from their locations where they are inset into the facility floor. Four of these vats are very large, and removal from the floor inset areas is challenging due to the vat sizes and space limitations within the facility.
- Removal of ventilation system located near Vat #6.
- Pumping out sumps in the exclusion zone (Sumps 9, 10, 15, and 16) and staging contents (waste) for disposal.
- Loosepacking small containers smaller than 30 gallons.
- Compiling additional composite samples to create waste profiles for disposal and delivering samples to the laboratory for analysis.
  
- Mobilizing a conex box into the northwest yard of the site, and staged some properly packaged waste in the conex box pending disposal.
  
- Pumping, cleaning, and cutting of the poly tank located in the southern courtyard of the building

##### **2.1.2.2 Air Monitoring**

Every day that cleanup activity work will be ongoing, air monitoring will be conducted to ensure public and worker safety. Please see the air monitoring plan and POLREP 2 for details.

A website has been established to view the current and past air monitoring data for the site. To view the data go to the web address: [viper.ert.org](http://viper.ert.org). You have to create a login on your first visit to the site. Once logged in, go to the R05 Hard Chrome Metals Deployment to view site data.

##### **Particulate Air Monitoring:**

Over the reporting period, no exceedances of the perimeter or work zone action levels (calculated as work day averages) for particulates were detected.

##### **MultiGas Air Monitoring:**

Over the reporting period, no exceedances of the perimeter or work zone action levels were verified.

##### **Hydrochloric Acid Monitoring**

Over the reporting period, no exceedances of the perimeter or work zone action levels were detected.

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

General notice letters were issued to former owners of the property. Investigation is ongoing.

##### **2.1.4 Progress Metrics**

<b>Waste Stream</b>	<b>Medium</b>	<b>Quantity</b>	<b>Manifest #</b>	<b>Treatment</b>	<b>Disposal</b>
Solid	Non-Hazardous Debris	8 Tons	n/a		x
Solid	Mixed Recyclables	4 bags			x (recycling)
Solid	Non-Hazardous Debris	60 cubic yards	n/a		x

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

#### 2.2.1.1 Planned Response Activities

See POLREP 1.

#### 2.2.1.2 Next Steps

Over the next week, we will continue work to remove vats from floor insets and dismantle vats; decontaminate building and floors; and remove and stage air filtration infrastructure for disposal. We also plan to demobe the air trailer over the next reporting period.

- Security will be on site during non working hours.

### 2.2.2 Issues

None at this time.

## 2.3 Logistics Section

ERRS is managing site logistics.

## 2.4 Finance Section

### 2.4.1 Narrative

ERRS costs are estimated through January 29, 2016. START costs are estimated through January 31, 2016. USCG AST costs are estimated through January 29, 2016.

### Estimated Costs \*

	<b>Budgeted</b>	<b>Total To Date</b>	<b>Remaining</b>	<b>% Remaining</b>
<b>Extramural Costs</b>				
ERRS - Cleanup Contractor	\$400,000.00	\$323,188.36	\$76,811.64	19.20%
USCG	\$31,500.00	\$17,794.94	\$13,705.06	43.51%
TAT/START	\$80,000.00	\$56,692.00	\$23,308.00	29.14%
<b>Intramural Costs</b>				
<b>Total Site Costs</b>	<b>\$511,500.00</b>	<b>\$397,675.30</b>	<b>\$113,824.70</b>	<b>22.25%</b>

\* 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

OSC is serving in this role.

### 2.5.2 Liaison Officer

OSC is serving in this role.

### 2.5.3 Information Officer

OSC is serving in this role.

## 3. Participating Entities

### 3.1 Unified Command

### 3.2 Cooperating Agencies

Kent County Land Bank  
MDEQ

### 4. Personnel On Site

1/25/16  
EPA: 2  
START: 1  
ERRS: 7  
USCG AST: 5

1/26/16  
EPA: 2  
START: 1  
ERRS: 7  
USCG AST: 3

1/27/16-1/29/16  
EPA: 1  
START: 1  
ERRS: 7  
USCG AST: 3

### 5. Definition of Terms

ATSDR	Agency for Toxic Substances and Disease Registry
BZ	Breathing Zone
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
DNR	Department of Natural Resources
EPA	Environmental Protection Agency
ERNS	Emergency Response Notification System
ERRS	Emergency and Rapid Response Service
MDEQ	Michigan Department of Environmental Quality
NCP	National Oil and Hazardous Substance Pollution Contingency Plan
mg/m <sup>3</sup>	milligrams per cubic meter
NOAA	National Oceanic and Atmospheric Administration
NPL	National Priorities List
NRC	National Response Center
OSC	On Scene Coordinator
PPE	Personal Protective Equipment
PPM	Parts per million
RCRIS	Resource Conservation and Recovery Act Information System
RP	Responsible Party
RRT	Regional Response Team
START	Superfund Technical Assessment and Response Team
ug/m <sup>3</sup>	micrograms per cubic meter
US FWS	United States Fish and Wildlife Service
USCG	United States Coast Guard Atlantic Strike Team
AST	
VOC	Volatile Organic Compound

### 6. Additional sources of information

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

[www.epaosc.net/hardchromeplating](http://www.epaosc.net/hardchromeplating)

and

[vip.er.ert.org](http://vip.er.ert.org). Once logged in, go to the R05 Hard Chrome deployment to view site data.

#### 6.2 Reporting Schedule

POLREPs will typically be issued weekly over the course of the removal action.

### 7. Situational Reference Materials

No information available at this time.

