

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #5  
Progress  
Hard Chrome Plating Site  
C57Z  
Grand Rapids, MI  
Latitude: 42.9356380 Longitude: -85.6435440

**To:** Mark Johnson, ATSDR  
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Laura Knapp, Grand Rapids Fire Dept.  
David Allen, Kent County Land Bank

**From:** Elizabeth Nightingale, OSC and Lori Muller

**Date:** 1/18/2016

**Reporting Period:** 1/11/16 - 1/15/16

**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. Debris is being consolidated into rolloff boxes. Sweepings are consolidated into 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. Dismantled vats are staged for disposal. Evacuation of vats is approximately 60% complete.

-Collected dust samples from the two dust collection system located in Storage Area 1 (prior to the initiating demolition of the dust collection system)

##### 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. On several occasions, low HCN detections were noted on the AreaRAEs, but could not be verified with other instruments and believed to be due to sensor drift.

#### 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

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
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 evacuate and dismantle vats, decontaminate building floors and remove and stage air filtration infrastructure for disposal.

- Security will be on site during non working hours and during the break.

#### 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 7, 2016. START costs are estimated through January 15, 2016. USCG AST costs are estimated through January 8, 2016.

### Estimated Costs \*

	Budgeted	Total To Date	Remaining	% Remaining
<b>Extramural Costs</b>				
ERRS - Cleanup Contractor	\$400,000.00	\$176,515.49	\$223,484.51	55.87%
USCG	\$31,500.00	\$9,267.08	\$22,232.92	70.58%
TAT/START	\$80,000.00	\$44,090.31	\$35,909.69	44.89%
<b>Intramural Costs</b>				
<b>Total Site Costs</b>	<b>\$511,500.00</b>	<b>\$229,872.88</b>	<b>\$281,627.12</b>	<b>55.06%</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

1/11/16-1/12/16

EPA: 1  
START: 1  
ERRS: 7  
USCG AST: 3

1/13/16-1/15/16  
EPA: 1  
START: 1  
ERRS: 7  
USCG AST: 2

## 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.org](http://vip.er.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.