

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #8
Progress
Hard Chrome Plating Site
C57Z
Grand Rapids, MI
Latitude: 42.9356380 Longitude: -85.6435440

To: Mark Johnson, ATSDR
Dan Wyant, MDEQ
Bill Schuette, Michigan Department of Attorney General
Rodney Stokes, Michigan DNR
Todd Goeks, NOAA
Greg Schweitzer, NOAA
Wayne Babcock, U.S. Department of Interior
Robert Burr, U.S. Department of Interior
Valencia Darby, U.S. DOI
Carolyn Bohlen, U.S. EPA
Sam Borries, U.S. EPA
Yolanda Bouchee-Cureton, U.S. EPA
Mindy Clements, U.S. EPA
Mark Durno, U.S. EPA
Jason El-Zein, U.S. EPA
HQ EOC, U.S. EPA
Charlie Gebien, U.S. EPA
John Glover, U.S. EPA
Matt Mankowski, U.S. EPA
Cecilia Moore, U.S. EPA
Mike Ribordy, U.S. EPA
Carol Ropski, U.S. EPA
Brian Schlieger, U.S. EPA
Annette Trowbridge, U.S. Fish & Wildlife
Laura Knapp, Grand Rapids Fire Dept.
David Allen, Kent County Land Bank

From: Elizabeth Nightingale, OSC

Date: 2/5/2016

Reporting Period: 2/1/16 - 2/5/16

1. Introduction

1.1 Background

Site Number:	C57Z	Contract Number:	
D.O. Number:		Action Memo Date:	10/5/2015
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	11/30/2015	Start Date:	11/30/2015
Demob Date:		Completion Date:	
CERCLIS ID:	MIN000505853	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

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 package, overpack when necessary and secure waste for disposal. All known containerized wastes have now been secured pending disposal.
- All sumps have been evacuated. One sump is continuing to refill with rainwater.
- Continuing to dismantle vats. All 14 vats have now been evacuated. The entire nickel plating line has been dismantled, and staged for disposal/recycling. We completed evacuating the contents from the vats from the chrome plating line in Storage Area 1 during this reporting period, and removed the final 3 large vats (vats 2, 4, and 6) from floor inset location in Storage Area 1 (see photos). After the vats were removed, we decontaminated the floors where the vats had been located, and removed unnecessary pipework and ductwork.
- Continued removal of ventilation systems.

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: vipr.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

<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

Solid	Non-Hazardous Debris	8 Tons	n/a		x
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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 complete work to dismantle remaining vats where necessary; continue to decontaminate the building and floors; and remove and stage air filtration infrastructure for disposal. We will insure that all waste is secure and properly staged pending disposal and prepare to demobilize pending arrangement of disposal.

- Security will be on site during non working hours, and during the time we are off-site arranging disposal.

2.2.2 Issues

Overnight on February 2nd, the Grand Rapids area received over 1.5 inches of rain. On February 3rd, while removing the tarp that was covering the non-hazardous waste rolloff, we inadvertently tore/punctured the tarp. This resulted in rainwater that had pooled on the tarp entering the rolloff and flowing through a seam onto a portion of the site parking lot. We immediately covered the storm drain in the street downstream from the site, deployed absorbent and collected the runoff with a shop vac. The runoff was contained within the parking area. There were no air monitoring readings above background.

2.3 Logistics Section

ERRS is managing site logistics.

2.4 Finance Section

2.4.1 Narrative

ERRS costs are estimated through February 4, 2016. START costs are estimated through February 7, 2016. USCG AST costs are estimated through February 5, 2016.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$400,000.00	\$355,659.23	\$44,340.77	11.09%
USCG	\$31,500.00	\$21,215.27	\$10,284.73	32.65%
TAT/START	\$80,000.00	\$63,152.10	\$16,847.90	21.06%
Intramural Costs				
Total Site Costs	\$511,500.00	\$440,026.60	\$71,473.40	13.97%

* 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

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

2/2/16-2/5/16
EPA: 1
START: 1
ERRS: 6
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/m3	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/m3	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.epaossc.net/hardchromeplating

and

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.