

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
R.N.Hitchcock Electroplating Facility - Removal Polrep  
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region II

**Subject:** POLREP #25  
Final SitRep/Polrep: Final Disposal and Site Demobilization  
R.N.Hitchcock Electroplating Facility  
XG  
Port Byron, NY  
Latitude: 43.0383000 Longitude: -76.6286000

**To:** Cris D'Onofrio, USEPA  
James Dalioia, USEPA, Region 2, ERRD-RPB  
Eric Mosher, USEPA, Region 2, ERRD-RPB  
Argie Cirillo, ORC  
George Zachos, USEPA Region 2 ERRD  
Doug Kodama, USEPA Region 2 ERRD  
Joe Rotola, USEPA Region 02  
Michael Hoppe, USEPA  
Eric Wilson, ERRD-RAB  
Mark Pane, USEPA, Region 02, ERRD-RAB

**From:** Michael Hoppe, OSC

**Date:** 8/30/2013

**Reporting Period:** 5/21/2013 through 6/27/2013

## 1. Introduction

### 1.1 Background

<b>Site Number:</b>	XG	<b>Contract Number:</b>	EP-S2-10-03
<b>D.O. Number:</b>	0037	<b>Action Memo Date:</b>	7/15/2011
<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>	8/22/2011	<b>Start Date:</b>	8/22/2011
<b>Demob Date:</b>	6/28/2013	<b>Completion Date:</b>	6/28/2013
<b>CERCLIS ID:</b>	NYN000205895	<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

#### 1.1.1 Incident Category

Removal Action

#### 1.1.2 Site Description

See POLREP/SITREPSs 1 through 24 for more complete Site description.

The former R.N. Hitchcock Electroplating Facility (Site) is located at 58 Green Street in Port Byron, New York. The Site conducted electroplating and metal-finishing activities at the facility from 1946 until 2003.

##### 1.1.2.1 Location

The Site is located in a residential neighborhood at 58 Green Street in the Village of Port Byron, Cayuga County, New York 13140. The former metals plating and finishing facility is currently separated from the owner's personal home by a paved driveway.

The Site is bounded to the north, west and east by private residences, to the south and east (250 feet) by the Port Byron public school grounds, Port Byron/Town of Mentz Library and administrative buildings, and immediately adjacent to the Owasco Lake Outlet to the east (15 feet). To the southeast is the Village of Port Byron. The New York State Thruway is less than 250 yards to the north. The Port Byron Middle School and the AA Gates Elementary School are located less than one half mile to the east of the Site.

### 1.1.2.2 Description of Threat

Between October 2006 and February 2007, EPA conducted a removal of plating materials from the facility including vats and drums containing corrosive plating solutions, acids, cyanides, and heavy metals including cadmium, chromium, copper, lead, nickel and zinc.

In September, 2010, EPA conducted a comprehensive site assessment at the Site to assess the remaining potential contamination at the Site. This assessment focused on the building materials and the soil, groundwater and sediment in the vicinity of the building.

Sampling revealed the presence of elevated levels of trichloroethylene (TCE) and its degrading byproducts in groundwater near the facility. This chemical was typically used for metal degreasing. The results also indicated the building materials are contaminated with heavy metals including chromium, hexavalent chromium, and cadmium. These metals were used in the electroplating process.

Recent catastrophic failure of the mill foundation and potential for additional contamination removal under the mill footprint lead to additional removal activities between the Fall 2012 and early Winter 2013.

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

The EPA conducted site assessment activities between September 20 and September 24, 2010. Site activities included soil/dust/sweep sampling, surface and subsurface soil sampling (soil borings), sub-slab soil sampling, groundwater sampling, concrete core sampling, sediment sampling, asbestos sampling, wipe and wood core sampling.

Results from all media show total chromium and cadmium detected, with maximum concentrations occurring within the building and elevated levels outside of the building. Migration of these contaminants was traced to surface and sub-surface soils, groundwater and sediment samples within the Owasco Lake Outlet.

Samples of the concrete in the process area on the first floor (floors and walls) revealed elevated levels of hexavalent chromium, chromium, cadmium and lead. Three of these samples failed Toxic Characteristic Leaching Procedure test (TCLP) for chromium and six failed for cadmium, displaying the characteristic of Toxicity as defined in 40 CFR, Subpart C, 261.24 of RCRA. Soil sweep/dust throughout the building is contaminated with chromium, cadmium and lead. Exterior structure sampling revealed the presence of metals, including hexavalent chromium and total chromium in wall concrete.

Samples at the Site revealed the presence of metals in soils immediately adjacent to the plating section of the building. These metals included hexavalent chromium, total chromium, total cadmium and lead. Additionally, sediment samples in the Owasco Lake Outlet revealed detected levels of chromium, cadmium and lead.

Metals were also detected in groundwater samples collected between the plating section of the building and the outlet, including chromium and cadmium.

Samples collected between the plating section of the building and the outlet, as well as those collected from under the building show elevated levels for chlorinated solvents including cis-1,2 DCE, trans-1,2 dichloroethene (trans-1,2 DCE), 1,1 dichloroethene (DCE), vinyl chloride, TCE, and tetrachloroethene (PCE). Groundwater samples collected revealed the presence of cis-1,2 DCE, TCE, vinyl chloride, trans-1,2 DCE and 1,1 DCE at elevated levels. Soil samples collected below the concrete structure, in exterior surface soils and in soil borings also detected TCE. Water collected from the settling tank and sump that feeds the tank inside the building revealed cis-1,2 DCE, TCE and vinyl chloride.

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

USEPA has completed final disposal operations and Site restoration activities.

#### 2.1.2 Response Actions to Date

Refer to POLREP/SITREPSs 1 through 24 for operations prior to this reporting period.

#### Most Recent Activities:

On June 27, 2013, ERRS contractors met the OSC on-site to complete disposal of final decontamination waste associated with the decontamination of the historic turbines (2). This waste included a 275-gallon tote of wastewater (non-hazardous) and five (5) drums of recovered soils/PPE (hazardous). Wastes were shipped to the EnviroSAFE facility in Oregon, Ohio.

One turbine was delivered locally to a representative from the historical society for display at the local Erie Canal museum and the second was picked up by a third party and delivered to the Ward W. O'Hara Agricultural Museum in Auburn, NY. Both were free of soil and residual contamination as verified by XRF and visual inspection of areas not otherwise accessible. These turbines are believed to be the only intact examples of water powered turbines of their era in the Cayuga County region.

Final analytical results from the samples collected between May 14 and 15, 2013 by EPA's Removal Support Team 2 (RST 2) contractors from soil boring locations (post-excavation soil samples) have been received. RST 2 collected a total of nine post-excavation soil samples: four sidewall samples from the east and south sidewalls at depths ranging from 72 to 144 inches and five base samples at depths ranging from 72 to 144

inches. Additional samples were collected a depths 24 to 72 inches from areas uncovered by an excavator, where the Geoprobe encountered refusal. A total of 16 soil samples were submitted for analysis.

**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>
Non-Hazardous (Regulated)	Water (Aqueous)	275 gallons	007356785		6/27/13
Hazardous Soil (Cd, Cr)	Soil	~2290 Tons	007675406, 007675407, 007675408,007675409, 007675410, 007675411, 007675412, 007675413, 007675414, 007675415, 007675416, 007675417, 007675418, 007675419, 007675420 007675421, 007675422, 007675423, 007675424, 007675425, 007675426, 007675427, 007675428, 007675429, 007675430, 007675431, 007675432, 007675433, 007675434, 007675435, 007675436, 007675437, 007675438, 007675439, 007675440, 009321501, 009321502, 009321503, 009321504, 009321505, 009321506, 009321507, 009321508, 009321509, 009321510, 009321511, 009321512, 009321513, 009321514, 009321515, 009321516, 009321517, 009321518, 009321519, 009321520, 009321521, 009321522, 009321523, 009321524, 009321525, 009321526, 009321527, 009321528, 009321543, 009321530, 009321531,		11/1/11, 11/3/11, 11/4/11, 11/7/11, 11/8/11, 11/9/11, 11/11/11, 11/14/11, 11/15/11, 11/16/11, 11/18/11, 11/21/11, 11/22/11, 11/28/11, 11/29/11, 11/30/11, 12/1/11, 12/2/11, 12/5/11, 12/6/11, 12/7/11, 12/8/11, 12/9/11, 12/10/11, 12/12/11, 12/13/11, 12/17/12, 12/18/12,

			009321532, 009321533, 009321534, 009321544, 009321545, 009321546, 009321547, 009321548, 009321549, 009321550, 009321554, 009321555, 009321556, 009321557, 009321558, 009321559, 009321560, 009321561, 009321563, 009321773, 009321539, 009321538, 009321537, 009321536, 009321535, 009321762, 009321540, 009321541, 009321542, 009321765, 009321766, 009321767, 009321768, 009321769, 007356791, 007396792, 007356794, 007356797, 007356785 (5-drums)		12/19/12,  6/27/13
Hazardous Soil (TCE, Cd)	Soil	22 Tons	009321935	Chemical/Thermal	12/14/11
Hazardous Concrete/C&D	Debris	~294 Tons	007675325, 007675326, 007675327, 007675328, 007675329, 007675330, 007675331, 007675332, 00767533, 00767534, 009321774(30-yd roll off), 008776891, 008776892, 008776893, 010675891		10/24/11, 10/25/11, 12/12/11, 12/17/12,
Asbestos (ACM)	Debris	<71 cubic yards	(40yd) 001352417 (30yd) 002818306; (1 yd) 10/24/12-001-ACM	Wrapped	8/31/11, 11/20/11, 10/24/12
Non-Haz	Debris	880 cubic yards			10/12/11, 10/13/11, 10/14/11, 11/23/11, 12/9/11, 5/15/13
Recycled Metals	Metals	20 cubic yard			
Drum	Fuel Oil Waste	165 gallons			11/16/11
Drums (2)	Hazardous Material	<400 pounds Caustic/ <85 Gallons Chlorinated Waste	003548457	Overpacked	12/2012

Electronics Waste	Electronics	1 cubic yard	Load #: 100285548	Recycled	11/3/11
-------------------	-------------	--------------	-------------------	----------	---------

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

#### 2.2.1.1 Planned Response Activities

None.

#### 2.2.1.2 Next Steps

EPA will archive Site files and summarize final costs.

### 2.2.2 Issues

None.

## 2.3 Logistics Section

Worked with Village/Town, historian and property owner to assist in relocation of historical mill components.

## 2.4 Finance Section

### 2.4.1 Narrative

Final funding totals will be calculated after final invoices are reconciled.

#### Estimated Costs \*

	Budgeted	Total To Date	Remaining	% Remaining
<b>Extramural Costs</b>				
ERRS - Cleanup Contractor	\$1,075,000.00	\$1,062,989.00	\$12,011.00	1.12%
RST	\$230,000.00	\$226,890.59	\$3,109.41	1.35%
SERAS	\$154,000.00	\$123,047.00	\$30,953.00	20.10%
<b>Intramural Costs</b>				
<b>Total Site Costs</b>	<b>\$1,459,000.00</b>	<b>\$1,412,926.59</b>	<b>\$46,073.41</b>	<b>3.16%</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

No information available at this time.

## 3. Participating Entities

### 3.1 Unified Command

N/A

### 3.2 Cooperating Agencies

NYSHPO.

## 4. Personnel On Site

As of May 17, 2013 no personnel are on-site. No further activities on-site are anticipated.

## 5. Definition of Terms

No information available at this time.

## 6. Additional sources of information

### 6.1 Internet location of additional information/report

## **6.2 Reporting Schedule**

No further reporting is anticipated.

## **7. Situational Reference Materials**

No information available at this time.

POLREP #25 Last Updated 10/18/2013