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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region II

Subject: **POLREP #18**
Vapor Intrusion/Indoor Air Sampling
R.N.Hitchcock Electroplating Facility
XG
Port Byron, NY
Latitude: 43.0383000 Longitude: -76.6286000

To:
From: Michael Hoppe OSC
Date: 4/7/2012
Reporting Period: 3/12-4/7/2012

1. Introduction

1.1 Background

Site Number:	XG	**Contract Number:**	EP-S2-10-03
D.O. Number:	0037	**Action Memo Date:**	7/15/2011
Response Authority:	CERCLA	**Response Type:**	Time-Critical
Response Lead:	EPA	**Incident Category:**	Removal Action
NPL Status:	Non NPL	**Operable Unit:**	
Mobilization Date:	8/22/2011	**Start Date:**	8/22/2011
Demob Date:		**Completion Date:**	
CERCLIS ID:	NYN000205895	**RCRIS ID:**	
ERNS No.:		**State Notification:**	
FPN#:		**Reimbursable Account #:**	

1.1.1 Incident Category

Removal Action

1.1.2 Site Description

See POLREP/SITREPSs 1 through 17 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 Throughway 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.

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

Currently the EPA removal action activities at the Site have come to end for the season. The EPA has addressed the building materials contaminated with heavy metals and these materials have been removed from the Site. Actions to date have included the removal of contaminated materials, including a partial building demolition, and further assessment and removal of contamination within the soils at the Site. Site operations commenced on August 22, 2011 and removal activities continued until December 21, 2011.

On March 12, 2012 EPA and RST contract personnel traveled to site to complete a vapor intrusion sampling event in the remaining structure (58 Green Street) and homes surrounding the Site. This indoor air assessment data will supplement the data collected in February 2011 during a similar pre-removal event.

A stream survey and final grading/finishing operations are currently scheduled between May 14-25, 2012.

2.1.2 Response Actions to Date

Refer to POLREP/SITREPSs 1 through 17 for operations prior to this reporting period.

March 12-15, 2012:

EPA and RST traveled to Site to conduct an vapor intrusion air sampling event. The structure at 58 Green Street and surrounding homes were sampled during the event. Sub-slab and ground floor (where a basement was present) and first floor samples were collected using 6-L SUMMA cansisters over a 24-hours period. Samples were analyzed using low-level TO-15 method, with a 12 compound list.

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

2.1.4 Progress Metrics

Waste Stream	*Medium*	*Quantity*	*Manifest #*	*Treatment*	*Disposal*
			007675406, 007675407, 007675408,007675409,007675410, 007675411, 007675412, 007675413, 007675414, 007675415, 007675416, 007675417, 007675418, 007675419, 007675420 007675421, 007675422, 007675423, 007675424, 007675425, 007675426,		

Hazardous Soil (Cd, Cr)	Soil	~2200 Tons	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, 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		
Hazardous Soil (TCE, Cd)	Soil	22 Tons	009321935	Chemical/Thermal	
Hazardous Concrete/C&D	Debris	~210 Tons	007675325, 007675326, 007675327, 007675328, 007675329, 007675330, 007675331, 007675332, 00767533, 00767534, 009321774(30-yd roll off)		
Asbestos (ACM)	Debris	<70 cubic yards	(40yd) 001352417 (30yd) 002818306	Wrapped	
Non-Haz	Debris	260 cubic yards			
Recycled Metals	Metals	20 cubic yard			
Drum	Fuel Oil Waste	165 gallons			
Drums (2)	Hazardous Material	<400 pounds Caustic/ <85 Gallons Chlorinated Waste	003548457	Overpacked	
Electronics Waste	Electronics	1 cubic yard	Load #: 100285548		

2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

Site activities have been suspended until spring 2012. Final property restoration and a stream survey will be conducted during the next mobilization between May 14-25, 2012.

2.2.1.2 Next Steps

EPA will attend public meetings at the Town of Mentz and Village of Port Byron to discuss progress at the Site.

2.2.2 Issues

None.

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

3.1 Unified Command

3.2 Cooperating Agencies

City of Auburn

4. Personnel On Site

No personnel are currently on-site.

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

Weekly while on-site.

7. Situational Reference Materials

No information available at this time.