

United States Environmental Protection Agency
Region V
POLLUTION REPORT

Date: Monday, December 29, 2008

From: James Augustyn

Subject: Removal Action

DLH Plating Site

2801 Grand Avenue, Cleveland, OH

Latitude: 41.4847000

Longitude: -81.6281000

POLREP No.:	3	Site #:	B5NQ
Reporting Period:	12/12/2008-12/23/2008	D.O. #:	31
Start Date:	11/11/2008	Response Authority:	CERCLA
Mob Date:	11/11/2008	Response Type:	Time-Critical
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:	OHN 000510286	Contract #	68-S5-03-01
RCRIS ID #:			

Site Description

See POLREP #1

Current Activities

On December 12, 2008, two tanker trucks were mobilized to the site to remove liquids from 20 on site tanks. Approximately 8,950 gallons of waste chromic acid solution (D002, D004, D006, D007) were transported to Vickery for disposal.

On December 15, 2008, ERRS removed residual acid liquid from ten tanks and consolidated the material with acid liquid from eight drums into totes. ERRS began solidifying acid sludge in tanks after all acid liquids were pumped off. A hazardous waste roll-off box was delivered to the site for the disposal of solidified acid sludges. The City of Cleveland Fire Department visited the site to check on the progress of removal activities.

On December 16, 2008, ERRS removed residual acid liquid from six tanks and consolidated the material into totes. ERRS continued solidifying acid sludge in tanks. ERRS collected three composite samples of cyanide liquids for additional waste disposal analysis by Vickery. Envirite was on site to collect a composite sample of the cyanide sludge in a DLH Plating roll-off box.

On December 17, 2008, ERRS removed residual acid liquid from three tanks and consolidated the material into totes. ERRS continued solidifying acid sludge in tanks, removed the solidified acid sludge from four tanks, and placed the material into a hazardous waste roll-off box. ERRS removed three tanks from the plating line in Room M, removed the tank liners, placed the tank liners into a roll-off box, decontaminated the tanks, and staged the tanks in the hallway for decommissioning. ERRS removed tanks T018, T019, and T020 from the plating line in Room G, in order to safely remove an overhead exhaust fan that was falling through the roof and supported only by a fire suppression line.

On December 18, 2008, ERRS removed residual acid liquid from five tanks and consolidated the material into totes. ERRS continued solidifying acid sludge in tanks, removed the solidified acid sludge from nine tanks, and placed the material into a hazardous waste roll-off box. ERRS removed 6 tanks from the plating line in Room M, removed the tank liners, and placed the tank liners into a roll-off box. While removing tanks from the plating line in Room M, an overhead product line (later determined to be a hydrochloric acid line) broke open and spilled product onto the floor. The product reacted with standing water on the floor and formed a vapor cloud that filled Room M and portions of Room G and Room L. Air monitoring determined that the vapor cloud was a slightly acidic water vapor cloud (fog). ERRS capped the broken product line and temporarily secured it with rope until the line could be drained, flushed, and removed the following day. One tanker truck mobilized to the site to remove liquids from the pump house. Approximately 4,700 gallons of pump house liquids [Hazardous Waste Liquid (Cadmium, Chromium) D006, D007] were transported to Vickery for disposal.

On December 19, 2008, ERRS removed residual acid liquid from thirteen tanks and consolidated the material into totes. ERRS decontaminated 6 tanks and staged the tanks in the hallway for decommissioning. ERRS drained the hydrochloric acid from the broken product line in Room M into tank T059, flushed the line with clean water, and removed the damaged/unsecure portion of the line. Two tanker trucks mobilized to the site to remove liquids from the pump house. Approximately 11,000 gallons of pump house liquids [Hazardous Waste Liquid (Cadmium, Chromium) D006, D007] were transported to Vickery for disposal. While removing liquids from the pump house, a leaking pipe was discovered. ERRS replaced the metal bands on a rubber gasket around the pipe to stop the leak.

On December 22, 2008, ERRS removed residual acid liquid from one tank and consolidated the material into totes. One tanker truck mobilized to the site to remove liquids from the pump house. Approximately 4,900 gallons of pump house liquids [Hazardous Waste Liquid (Cadmium, Chromium) D006, D007] were transported to Vickery for disposal. Two additional tanker trucks mobilized to the site to remove cyanide liquids from several tanks and totes within the building. Approximately 9,271 gallons of cyanide liquids [Waste Corrosive Liquid, Basic, Inorganic (Sodium Hydroxide, Cadmium)] were transported to Vickery for disposal.

On December 23, 2008, one tanker truck mobilized to the site to remove cyanide liquids from tank T090 and several totes within the building and liquids from the pump house. Approximately 4,730 gallons of cyanide liquids [Waste Corrosive Liquid, Basic, Inorganic (Sodium Hydroxide, Cadmium)] were transported to Vickery for disposal.

Planned Removal Actions

ERRS will continue to perform: general site clean-up; sample small containers; perform hazard characterization testing on samples; segregate drums and small containers into waste groups; consolidate waste material; lab pack small containers; solidify waste sludges; submit waste characterization samples to a laboratory for disposal analyses; and coordinate transportation and disposal of waste material.

START will continue to document Site activities and conditions and perform air monitoring.

Key Issues

U.S. EPA and its contractors demobilize from the site on December 23, 2008 for Christmas and will return to the site on December 29, 2008.

Disposition of Wastes

Total to Date:

70,740 gallons of Hazardous Waste Liquids N.O.S. D006, D007 (Chromium, Cadmium) have been transported to Vickery for disposal.

23,750 gallons of Hazardous Waste, Liquids D006, D007, F006 (Chromium, Cadmium, Cyanide) have been transported to Vickery for disposal.

17,650 gallons of Waste Chromic Acid Solution D002, D004, D006, D007 have been transported to Vickery for disposal.

14,001 gallons of Waste Corrosive Liquid, Basic, Inorganic N.O.S. have been transported to Vickery for disposal

See Previous POLREPs for Waste Disposition listings prior to December 12, 2008.

Waste Stream	Quantity	Manifest #	Disposal Facility
RQ, Waste Chromic Acid Solution, 8, UN1755, II, D002, D004, D006, D007	3950 gallons	001988808	Vickery Environmental, Inc.
RQ, Waste Chromic Acid Solution, 8, UN1755, II, D002, D004, D006, D007	5000 gallons	001988807	Vickery Environmental, Inc.
RQ, NA3082, Hazardous Waste, Liquid, N.O.S., (Chromium, Cadmium), 0, NA3082, III, D006, D007	4700 gallons	001988735	Vickery Environmental, Inc.
RQ, NA3082, Hazardous Waste, Liquid, N.O.S., (Chromium,	5500	001988736	Vickery

Cadmium), 0, NA3082, III, D006, D007	gallons		Environmental, Inc.
RQ, NA3082, Hazardous Waste, Liquid, N.O.S., (Chromium, Cadmium), 0, NA3082, III, D006, D007	5500 gallons	001988737	Vickery Environmental, Inc.
RQ, NA3082, Hazardous Waste, Liquid, N.O.S., (Chromium, Cadmium), 0, NA3082, III, D006, D007	4900 gallons	001988738	Vickery Environmental, Inc.
RQ, Waste Corrosive Liquid, Basic, Inorganic, N.O.S., 6, UN3266, PGII (Sodium Hydroxide, Cadmium)	4260 gallons	005478636	Vickery Environmental, Inc.
RQ, Waste Corrosive Liquid, Basic, Inorganic, N.O.S., 6, UN3266, PGII (Sodium Hydroxide, Cadmium)	5011 gallons	005478626	Vickery Environmental, Inc.
RQ, Waste Corrosive Liquid, Basic, Inorganic, N.O.S., 6, UN3266, PGII (Sodium Hydroxide, Cadmium)	4730 galons	005478634	Vickery Environmental, Inc.

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