

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Nu-Chrome - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region I

Subject: POLREP #3
Final
Nu-Chrome
01KQ
Fall River, MA
Latitude: 41.7441520 Longitude: -71.1081640

To: Polrep Distribution, USEPA-R1

From: Tom Condon, OSC

Date: 4/4/2013

Reporting Period: 11/29/2012 to 2/15/2013

1. Introduction

1.1 Background

Site Number:	01KQ	Contract Number:	EP-W-08-062
D.O. Number:	0032	Action Memo Date:	8/8/2012
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	11/2/2012	Start Date:	11/2/2012
Demob Date:	2/15/2013	Completion Date:	2/15/2013
CERCLIS ID:	MA R000008151	RCRIS ID:	
ERNS No.:		State Notification:	MassDEP has been notified
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time Critical

1.1.2 Site Description

The Site is a metal finishing/electroplating facility that was operating until September 2012. The City of Fall River has perfected a Decree of Foreclosure in Land Court, and taken possession of the Site.

1.1.2.1 Location

The Site address is 161 Graham Road in Fall River Massachusetts. It is located in an industrial area, and encompasses an approximately 4.0 acre parcel including a single story building. Residential areas are located to the south and to the west of the site, with the closest residences approximately one third of a mile in the southerly direction and one half mile in the westerly direction.

1.1.2.2 Description of Threat

The interior of the building reflected bad housekeeping practices with vats, drums and other containers of hazardous chemicals and hazardous wastes in deteriorated condition. There is unrestricted access to the Site and potential trespassing and vandalism may result in a potential release and exposure to the public and the environment.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

EPA conducted a fund-lead removal action to address conditions at the Nu-Chrome Site.

2.1.2 Response Actions to Date

Please refer to POLREPs #1 and #2 for a description of site activities prior to November 29, 2012.

From November 29, 2012 through February 15, 2013, EPA and its contractors, performed the following site activities.

- Sludge from the bulk containers was solidified and packaged into drums in preparation for transportation and disposal. The bulk containers were subsequently pressure washed to remove residual contamination. The rinsate was collected and packaged for transportation and disposal.
- All drums and other small containers found throughout the site were consolidated in a temporary staging area. An inventory was conducted, and information was collected to assist in assigning each container to an appropriate waste stream in preparation for transportation and disposal.
- Surface soil contaminated with lead and mercury was excavated and staged in roll-off containers in preparation for transportation and disposal.
- All waste material was shipped off site to EPA approved disposal facilities. Detailed information is provided in the table below.

On February 15, 2013, EPA and its contractors demobilized from the site.

2.1.3 Progress Metrics

This table is an estimated representation of waste metrics collected on-site at the time of waste transport and does not reflect final disposal metrics. Final disposal metrics will be certified in the Certificate of Disposal and/or "Off-Site Rule" Disposal Report, provided by the contractor at the time of final disposal.

Manifest No.	Date of Shipment	Description	Containers		Total Quantity	Waste Codes	Transporter/Destination
			No.	Type			
004979892 FLE	11/8/2012	Non-RCRA, Non-DOT Regulated Material	1	TT	1,650 gal.	MA99	Northland Environmental, LLC 275 Allens Avenue Providence, RI 02905
004979891 FLE	11/8/2012	Hazardous Waste, Liquid, n.o.s. (Nickel, Selenium)	1	TT	1,670 gal.	F009, D010	Northland Environmental, LLC 275 Allens Avenue Providence, RI 02905
004979916 FLE	11/13/2012	Hazardous Waste, Liquid, n.o.s. (Nickel, Chromium)	1	TT	1,260 gal.	F009, D007, D010	Northland Environmental, LLC 275 Allens Avenue Providence, RI 02905
004979915 FLE	11/13/2012	Hazardous Waste, Liquid, n.o.s. (Nickel, Selenium)	1	TT	1,970 gal.	F009, D010	Northland Environmental, LLC 275 Allens Avenue Providence, RI 02905
004975623 FLE	11/14/2012	Waste Corrosive Liquid, Acidic, Inorganic, n.o.s. (Sulfuric Acid)	1	TT	1,585 gal.	F009, D007, D002, D006, D010	Northland Environmental, LLC 275 Allens Avenue Providence, RI 02905
004975624 FLE	11/14/2012	Hazardous Waste, liquid, n.o.s. (Nickel, Chromium)	1	TT	1,530 gal.	F009, D007	Northland Environmental, LLC 275 Allens Avenue Providence, RI 02905
004975728 FLE	11/19/2012	Hazardous Waste, Liquid, n.o.s. (Nickel, Selenium)	1	TT	3,411 gal.	F009, D010	Northland Environmental, LLC 275 Allens Avenue Providence, RI 02905
006502341 FLE	1/10/2013	Hazardous Waste, liquid, n.o.s. (Nickel, Chromium)	1	TT	2,600 gal.	F009, D007	Northland Environmental, LLC 275 Allens Avenue Providence, RI 02905
001556650 GBF	1/23/2013	Waste Cyanide solutions, n.o.s.	1	DF	90 lbs.	F009	ENPRO Services of Vermont 54 Avenue D Williston, VT 05495
		Waste Cyanides, Inorganic, solid, n.o.s.	76	DF	24,320 lbs.	F008	
		Waste Cyanides, Inorganic, solid, n.o.s.	12	DM	2,900 lbs.	F008	

001556672 GBF 1/23/2013	Waste Copper Cyanide	1	DF	11 lbs.	P029, D003	ENPRO Services of Vermont 54 Avenue D Williston, VT 05495
001556663 GBF 1/24/2013	Hazardous Waste, solid, n.o.s. (Lead)	1	DF	110 lbs.	D008	ENPRO Services of Vermont 54 Avenue D Williston, VT 05495
	Non-RCRA, non-DOT Regulated Solids	1	DF	300 lbs.	VT99, MA99	
	Non-RCRA, non-DOT Regulated Solids	6	DF	2,100 lbs.	VT99, MA99	
001556653 GBF 1/24/2013	Non-RCRA, non-DOT Regulated Liquids	1	DF	200 lbs.	VT99, MA99	ENPRO Services of Vermont 54 Avenue D Williston, VT 05495
	Waste Aerosols 2.1	1	DF	44 lbs.	D001	
	Waste Propane 2.1	1	DF	8 lbs.	D001	
	Waste Flammable Liquids, Toxic, Corrosive, n.o.s.	1	DF	16 lbs.	D001, D002, U196, U122	
	Waste Oxidizing Liquids, Toxic, n.o.s.	2	DF	28 lbs.	D001, D007, D005, D011	
	Waste Toxic Liquids, Organic, n.o.s.	1	DF	74 lbs.	D007, VT99, MA99	
	Waste Corrosive Liquids, Acidic, Inorganic, n.o.s.	1	DF	44 lbs.	D002	
	Corrosive Solids, Acidic, Inorganic, n.o.s.	1	DF	190 lbs.	VT20, MA99	
	Waste Corrosive Liquids, Basic, Inorganic, n.o.s.	2	DF	310 lbs.	D002	
Waste Corrosive Solids, Toxic, n.o.s.	1	DF	9 lbs.	D003		
001556666 GBF 1/24/2013	Waste Corrosive Liquids, Toxic, n.o.s.	1	DF	9 lbs.	D002, D009	ENPRO Services of Vermont 54 Avenue D Williston, VT 05495
	Waste Paint related material	2	DF	390 lbs.	D001	
	Waste Petroleum distillates, n.o.s. (Petroleum Hydrocarbons)	2	DM	440 lbs.	D001	
	Hazardous waste, liquid, n.o.s. (Chromium)	1	DF	190 lbs.	D007	
	Waste Corrosive liquids, toxic, n.o.s. (Sulfuric Acid, Chromium)	1	DF	210 lbs.	D002, D004, D006, D007, D008, D009	

	Waste Corrosive solids, Toxic, n.o.s. (Sulfuric Acid, Chromium)	1	DF	180 lbs.	D007, VT20	
001556667 GBF 1/24/2013	Waste Hypochlorite solutions	1	DF	40 lbs.	D002	ENPRO Services of Vermont 54 Avenue D Williston, VT 05495
	Waste Corrosive solids, Toxic, n.o.s. (Sulfuric Acid, Chromium)	1	DF	280 lbs.	D006, D007, D008, VT20, D018, D039	
	Corrosive Solids, Acidic, Inorganic, n.o.s. (Boric Acid)	1	DF	190 lbs.	MA99, VT20	
001556670 GBF 1/24/2013	Waste Hydrogen Peroxide, aqueous solutions	1	DF	15 gal.	D001, D002	ENPRO Services of Vermont 54 Avenue D Williston, VT 05495
	Waste Petroleum distillates, n.o.s. (Petroleum Hydrocarbons)	1	DM	240 lbs.	D001	
	Hazardous Waste, solid, n.o.s. (chrome)	1	DF	140 lbs.	D007	
	Non-DOT, Non-RCRA Regulated Material	1	DF	150 lbs.	MA99, VT99	
001556671 GBF 1/24/2013	Non-DOT, Non-RCRA Regulated	2	DF	200 lbs.	MA99, VT99	ENPRO Services of Vermont 54 Avenue D Williston, VT 05495
001556651 GBF 1/24/2013	Hazardous waste, solid, n.o.s. (Chromium, Lead)	15	DF	5,850 lbs.	D007, D008	ENPRO Services of Vermont 54 Avenue D Williston, VT 05495
	Waste Cyanides, inorganic, solid, n.o.s. (Chromium)	5	DF	320 lbs.	D007, F008	
	Waste Cyanides, inorganic, solid, n.o.s. (Chromium, Mercury)	11	DF	4,855 lbs.	D007, D009, F008	
	Waste Cyanide solutions, n.o.s. (Copper Cyanide)	4	DF	760 lbs.	F009	
001556652 GBF 1/24/2013	Waste Paint related material	1	CF	1150 lbs.	D001, U239	ENPRO Services of Vermont 54 Avenue D Williston, VT 05495
	Waste Flammable Solids, Toxic, n.o.s.	2	DM	480 lbs.	D001, D011, D008, D007, D006	
	Non-RCRA, Non-DOT Material (Propylene Glycol)	1	DM	200 lbs.	VT06, MA99	

001556654 GBF	1/24/2013	Waste Cyanide solutions, n.o.s. (Chromium)	7	DF	3,100 lbs.	D007, F009	ENPRO Services of Vermont 54 Avenue D Williston, VT 05495
		Non-RCRA, Non-DOT Material	6	DF	40 lbs.	VT99, MA99	
		Waste Sodium Sulfide hydrated	1	DF	125 lbs.	D003	
001556660 GBF	1/24/2013	Waste Cyanide solutions (Copper Cyanide)	1	DM	240 lbs.	F008	ENPRO Services of Vermont 54 Avenue D Williston, VT 05495
		Waste flammable liquids, toxic, n.o.s. (petroleum distillates, chromium)	1	DM	300 lbs.	D001, D007, F009	
		Waste Cyanide solutions, n.o.s. (Copper Cyanide)	1	DF	110 lbs.	D008, D011, F009	
001556662 GBF	1/24/2013	Waste Cyanide solutions, n.o.s. (Copper Cyanide)	2	DF	490 lbs.	D007, F009	ENPRO Services of Vermont 54 Avenue D Williston, VT 05495
		Hazardous Waste, solid, n.o.s. (Lead)	2	DF	840 lbs.	D008	
		Corrosive solid, basic, inorganic, n.o.s. (hydroxide)	29	DF	12,900 lbs.	VT20, MA99	
		Non-RCRA, non-DOT Regulated Resin	3	DF	1,080 lbs.	VT99, MA99	
010260971 JJK	1/24/2013	Non-RCRA, non-DOT Regulated Resin	1	DF	290 lbs.	VT99, MA99	Envirite of Pennsylvania, Inc. 730 Vogelsong Road York, PA 17404
		Hazardous waste, solid, n.o.s. (Lead, Cyanide)	1	CM	24,000 lbs.	F008	
82925	2/11/2013	Non-RCRA, non-DOT, Non-regulated soil	1	CM	30,000 lbs.	None	Turnkey Recycling & Env. Enterprise 90 Rochester Neck Road Rochester, NH 03839

010260773 JJK	2/11/2013	Hazardous waste, solid, n.o.s. (Lead, Cyanide)	1	CM	10,000 lbs.	F008	Envirite of Pennsylvania, Inc. 730 Vogelsong Road York, PA 17404
010260701 JJK	2/11/2013	Non-hazardous solid waste, Non-DOT, non-RCRA regulated	19	DM	9,500 lbs.	MA99	EQ Detroit, Inc. 1923 Frederick Detroit, MI 48211
010260720 JJK	2/11/2013	Hazardous waste, solid, n.o.s. (Lead, Cyanide)	5	DM	2500 lbs.	F008	Michigan Disposal Waste Treatment 49350 N I-94 Service Drive Belleville, MI 48111
		Hazardous waste, solid, n.o.s. (Lead, Cyanide)	1	DM	300 lbs.	F008	
82923	2/12/2013	Non-hazardous solid waste, Non-DOT, non-RCRA regulated (RCRA empties)	1	CM	20,000 lbs.	None	Turnkey Recycling & Env. Enterprise 90 Rochester Neck Road Rochester, NH 03839
82928	2/13/2013	Non-hazardous solid waste, Non-DOT, non-RCRA regulated (PPE)	1	CM	25,000 lbs.	None	Turnkey Recycling & Env. Enterprise 90 Rochester Neck Road Rochester, NH 03839
010260725 JJK	2/13/2013	Hazardous waste, solid, n.o.s., (Lead, Cyanide)	1	CM	10,000 lbs.	F008	Envirite of Pennsylvania, Inc. 730 Vogelsong Road York, PA 17404
82928	2/13/2013	Non-hazardous solid waste, Non-DOT, non-RCRA regulated (Paint Dust)	1	CM	10,000 lbs.	None	Turnkey Recycling & Env. Enterprise 90 Rochester Neck Road Rochester, NH 03839

DM = Metal Drums
DF = Fiber or Plastic Drums
CM = Metal boxes including roll-offs
CF = Fiber of Plastic boxes or cartons
TT = Cargo Tanks (tank trucks)

2.2 Planning Section

2.2.1 Anticipated Activities

2.2.1.1 Planned Response Activities

None

2.2.2 Issues

Subsequent to the initiation of the removal action, EPA and the START contractor conducted additional site investigation activities. Preliminary screening using a portable X-Ray Fluorescence Spectrometer identified elevated levels of lead, barium and silver in particulate matter in portions of the site. The lead and silver contaminated particulate material appeared to be residue from metal grinding and buffing operations at the site. The barium-contaminated material appears to be residue from metallic coating operations. The OSC prepared an Action Memorandum addendum, requesting approval of a modification to the scope of the response to include removal of the lead-contaminated material. The Action Memorandum was approved on November 29, 2012.

2.3 Logistics Section

The OSC was the Logistics Section Chief.

2.4 Finance Section

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$800,000.00	\$425,000.00	\$375,000.00	46.88%
TAT/START	\$200,000.00	\$105,000.00	\$95,000.00	47.50%
Intramural Costs				
USEPA - Direct	\$100,000.00	\$40,000.00	\$60,000.00	60.00%
USEPA - InDirect	\$32,840.00	\$13,136.00	\$19,704.00	60.00%
Total Site Costs				
	\$1,132,840.00	\$583,136.00	\$549,704.00	48.52%

* 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

The OSC was the Health and Safety Officer. All work on site was conducted in accordance with a site-specific Health and Safety Plan.

3. Participating Entities

3.1 Unified Command

EPA

3.2 Cooperating Agencies

MassDEP and the City of Fall River

4. Personnel On Site

none

5. Definition of Terms

No information available at this time.

6. Additional sources of information

6.1 Internet location of additional information/report

For additional information please refer to www.epaosc.org/nuchrome

7. Situational Reference Materials

No information available at this time

POLREP #3 Last Updated 4/4/2013