

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Michner Plating - Mechanic Street Site - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #15
FINAL
Michner Plating - Mechanic Street Site
C57C
Jackson, MI
Latitude: 42.2541975 Longitude: -84.4060903

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From: Jeffrey Kimble, OSC

Date: 8/25/2016

Reporting Period: 05/09 - 06/22/2016

1. Introduction

1.1 Background

Site Number:	C57C	Contract Number:	
D.O. Number:		Action Memo Date:	7/2/2015
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	8/24/2015	Start Date:	8/24/2015
Demob Date:	6/22/2016	Completion Date:	6/22/2016
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time-Critical Removal Action.

1.1.2 Site Description

Michner Plating Mechanic Street (Site) is a former plating shop which operated from the 1930s until 2007. Michner Plating also operated a separate facility on Angling Road in Jackson, Michigan, until May 2015. The Site contains approximately 1,100 drums, vats, totes, and other containers. Labels and sample analytical results indicate the potential presence of cyanide, zinc cyanide, nickel chloride, chromic acid, hydrogen peroxide, sulfuric acid, ignitable wastes, reactive wastes (including water reactive chemicals), and other chemicals.

1.1.2.1 Location

The Site is located at 520 North Mechanic Street in Jackson, Jackson County, Michigan, in a mixed commercial and residential area and is bound to the north by a commercial property, to the east by North Mechanic Street with residential dwellings and commercial properties beyond, to the south by East Trail Street with commercial properties beyond, and to the west by a railroad and the Grand River. The Site sits on roughly 4 acres, and contains four buildings totaling approximately 137,000 square feet.

1.1.2.2 Description of Threat

The Site contains approximately 1,100 drums, vats, totes, and other containers. Labels and sample analytical results indicate the potential presence of cyanide, zinc cyanide, nickel chloride, chromic acid, hydrogen peroxide, sulfuric acid, ignitable wastes, reactive wastes (including water reactive chemicals), and other chemicals.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

EPA previously conducted an assessment and determined a Time-Critical Action was warranted. See Sitrep 1 for additional information.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

EPA began a Time-Critical action consisting of the removal of over 1,100 containers of hazardous waste on August 24, 2015.

2.1.2 Response Actions to Date

05/09/2016 – The crew remobilized to site to complete waste bulking operations and prepare the final waste streams for disposal.

05/10/2016 – The crew continued prepping the last of the waste for disposal.

05/11/2016 – The crew completed the majority of waste bulking and initiated floor sweepings and touch up removal of residual caustic waste on exposed surfaces.

05/12/2016 – The crew continue final residual waste removal and continued to apply floor sweep and physically clean facility floors.

05/13/2016 – The crew completed all site activities. Two roll off boxes full of solid hazardous waste are staged for eventual disposal. The site and all crew were demobilized.

Air monitoring conducted by the crew showed no levels of hazardous vapors in the breathing zone all week. Respirators were utilized to minimize exposure to potentially caustic dusts while scraping and sweeping were conducted.

06/03/2016 - US EPA returned to signed and signed the manifest for the last 2 roll off boxes to be shipped off site. These were both Hazardous Waste Solids (30 Yards and 20 yards).

06/22/2016 a final site walk through with Jackson County representatives and MDEQ representatives was conducted.

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

Michner Plating Company is the potentially responsible party (PRP), however, the company relinquished ownership of the property to the Jackson County Treasurer's Office due to tax reversion and bankruptcy. The removal action is a Fund Lead as a result of the PRP's bankruptcy and inability to finance the cleanup.

2.1.4 Progress Metrics

Date	Waste stream	Medium	Quantity	Units	Manifest #	Disposal
11/18/15	Hazardous Waste Solid (Empty containers & debris)	Solid	20cubic yards		015269770	Michigan Disposal Waste Treatment
11/18/15	Hazardous Waste Solid (Empty containers & debris)	Solid	20cubic yards		015269771	Michigan Disposal Waste Treatment
12/04/15	Hazardous Waste Solid (Empty containers & debris)	Solid	20cubic yards		015269767	Michigan Disposal Waste Treatment
12/08/15	Hazardous Waste Solid (Empty containers & debris)	Solid	20cubic yards		015269769	Michigan Disposal Waste Treatment
12/09/15	Hazardous Waste Solid (Empty containers & debris)	Solid	20cubic yards		015269768	Michigan Disposal Waste Treatment
12/10/15	Waste Corrosive Liquid, Basic	Liquid	1,045	Gallons	014463806	Michigan Disposal Waste Treatment
12/10/15	Waste Corrosive Liquid, Basic	Liquid	555	Gallons	014463807	EQ Detroit
12/10/15	Waste Corrosive Solid, Basic	Solid	16,500	Pounds	014463808	Michigan Disposal Waste Treatment
12/10/15	Waste Corrosive Liquid, Basic	Liquid	1,605	Gallons	014463808	Michigan Disposal Waste Treatment
12/10/15	Waste Flammable Liquid	Liquid	2,340	Gallons	014463810	Petro-Chem Processing Group
12/10/15	Waste Flammable Liquid	Liquid	500	Gallons	014463811	Petro-Chem Processing Group
12/14/15	Waste Alkaline Solids	Solid	33,000	Gallons	014463819	EQ Detroit
12/17/15	Hazardous Waste Solid (Empty containers & debris)	Solid	20cubic yards		015516432	Michigan Disposal Waste Treatment
12/17/15	Waste Corrosive Liquid, Basic	Liquid	330	Gallons	014463864	EQ Detroit
12/17/15	Waste Alkaline Solids	Solid	30,100	Pounds	014463864	EQ Detroit

02/26/16Non-Hazardous Neutral Solids	solid	12Tons	022360	C&C landfill
03/09/16Waste Pit Water	Liquid	5,000Gallons	39161	Disposal and Recycling Technologies, Inc.
03/09/16Waste Pit Water	Liquid	5,000Gallons	39162	Disposal and Recycling Technologies, Inc.
03/10/16Waste Tank Water	Liquid	4,652Gallons	014994712	EQ Detroit
03/10/16Waste Pit Water	Liquid	3,300Gallons	31016	Disposal and Recycling Technologies, Inc.
03/10/16Waste Tank Water	Liquid	1,800Gallons	014994732	EQ Detroit
03/10/16Hazardous Waste Liquid	Liquid	4,236Gallons	014994713	Michigan Disposal Waste Treatment
03/17/16Hazardous Waste Solid	Solid	10Tons	014994709	EQ Detroit
03/17/16Hazardous Waste Solid	Solid	20Tons	014994771	EQ Detroit
04/11/16Hazardous Waste Liquid	Liquid	580Gallons	014994812	EQ Detroit
04/11/16Hazardous Waste Solid	Solid	7,200Pounds	014994812	EQ Detroit
04/11/16Hazardous Waste Liquid	Liquid	495Gallons	014994811	EQ Detroit
04/11/16Hazardous Waste Solid	Solid	14,400Pounds	014994811	EQ Detroit
04/11/16Hazardous Waste Liquid	Liquid	55Gallons	014994813	EQ Detroit
04/11/16Hazardous Waste Solid	Solid	19,200Pounds	014994813	EQ Detroit
04/11/16Waste Corrosive Liquid, Basic	Liquid	990Gallons	014994815	EQ Detroit
04/11/16Waste Corrosive Solid, Basic	Solid	500Pounds	014994815	EQ Detroit
04/12/16Waste Carbon Black	Solid	1,200Pounds	014994832	EQ Detroit
04/12/16Waste Hydrogen Peroxide	Liquid	70Gallons	014994831	EQ Detroit
04/12/16Hazardous Waste Liquid	Liquid	700Gallons	014994828	EQ Detroit
04/12/16Hazardous Waste Solid	Solid	6,000Pounds	014994828	EQ Detroit
04/12/16Hazardous Waste Solid	Solid	1,600Pounds	014994829	EQ Detroit
04/12/16Waste Alkaline Solids	Solid	6,400Pounds	014994829	EQ Detroit
04/12/16Waste Toxic Solids, Oxidizing	Solid	60Pounds	014994830	EQ Detroit
04/12/16Waste Hypochlorite Solutions	Liquid	300Gallons	014994830	EQ Detroit
04/12/16Waste Alkaline Solids	Solid	800Pounds	014994830	EQ Detroit
04/13/16Hazardous Waste Solids	Solid	1,200Pounds	014994836	EQ Detroit
04/13/16Waste Corrosive Liquid, Acidic	Liquid	605Gallons	014994833	EQ Detroit
04/13/16Hazardous Waste Solid	Solid	2,500Pounds	014994837	EQ Detroit
04/13/16Waste Sodium Dithionite	Solid	100Pounds	014994866	Heritage Environmental Services
04/13/16Waste Corrosive Liquid, Basic	Liquid	2,200Gallons	014994843	Waste Management - Vickery Environmental
04/13/16Waste Corrosive Liquid, Acidic	Liquid	970Gallons	014994835	Petro-Chem Processing Group
04/13/16Waste Corrosive Liquid, Acidic	Liquid	645Gallons	014994846	Petro-Chem Processing Group
04/13/16Waste Corrosive Liquid, Flammable	Liquid	115Gallons	014994845	Petro-Chem Processing Group
04/13/16Waste Corrosive Liquid, Acidic	Liquid	185Gallons	014994845	Petro-Chem Processing Group
04/13/16Waste Sulfuric Acid	Liquid	250Gallons	014994844	Petro-Chem Processing Group
04/13/16Waste Corrosive Liquid, Acidic	Liquid	2,385Gallons	014994844	Petro-Chem Processing Group
04/13/16Waste Nitric Acid	Liquid	250Gallons	014994844	Petro-Chem Processing Group
04/13/16Hazardous Waste Solid	Solid	1,200Pounds	014994836	EQ Detroit
04/13/16Hazardous Waste Solid	Solid	13,400Pounds	014994834	EQ Detroit
04/14/16Waste Corrosive Liquid, Toxic	Liquid	4,250Gallons	014994844	Petro-Chem Processing Group
04/14/16Waste Sodium Cyanide	Solid	2,370Pounds	014994863	Ross Incineration Services
04/14/16Waste Zinc Cyanide	Solid	220Pounds	014994863	Ross Incineration Services
04/14/16Waste Flammable Liquid	Liquid	90Gallons	014994861	Ross Incineration Services
04/14/16Waste Flammable Aerosols	Aerosols	35Pounds	014994861	Ross Incineration Services
04/14/16Waste Cyanides	Solid	9,000Pounds	014994861	Ross Incineration Services
04/14/16Hazardous Waste Liquid	Liquid	1,600Gallons	014994858	Petro-Chem Processing Group
04/14/16Waste Multiphase Liquid	Liquid	275Gallons	014994857	Petro-Chem Processing Group
04/14/16Waste Motor Oil	Liquid	30Gallons	014994857	Petro-Chem Processing Group
04/14/16Waste Flammable Liquid	Liquid	495Gallons	014994856	Petro-Chem Processing Group
04/14/16Hazardous Waste Solid	Solid	8,600Pounds	014994856	Petro-Chem Processing Group
04/14/16Waste Flammable Liquid	Liquid	550Gallons	014994855	Petro-Chem Processing Group
04/14/16Hazardous Waste Solid	Solid	460Pounds	014994855	Petro-Chem Processing Group
06/03/16Hazardous Waste Solid	Solid	30Yards	015615015	EQ Detroit
06/03/16Hazardous Waste Solid	Solid	20Yards	015615011	EQ Detroit

2.2 Planning Section

2.2.1 Anticipated Activities

Actions Complete.

2.2.1.1 Planned Response Activities

None.

2.2.1.2 Next Steps

Cleanup is complete.

2.2.2 Issues

Regional Metrics

This is an Integrated River Assessment. The numbers should overlap.	Miles of river systems cleaned and/or restored	NA
	Cubic yards of contaminated sediments removed and/or capped	NA
	Gallons of oil/water recovered	NA
	Acres of soil/sediment cleaned up in floodplains and riverbanks	NA
Stand Alone Assessment	Number of contaminated residential yards cleaned up	0
	Number of workers on site	19
Contaminant(s) of Concern		

Oil Response Tracking

Estimated volume	Initial amount released	NA
	Final amount collected	NA
CANAPS Info	FPN Ceiling Amount	NA
	FPN Number	NA
	Body of Water affected	NA

Administrative and Logistical Factors (Place X where applicable)

Precedent-Setting HQ Consultations (e.g., fracking, asbestos)	Community challenges or high involvement	Radiological
More than one PRP	Endangered Species Act / Essential Fish Habitat issues	Explosives
AOC	Historic preservation issues	Residential impacts
UAO	NPL site	Relocation
DOJ involved	Remote location	Drinking water impacted
Criminal Investigation Division involved	Extreme weather or abnormal field season X	Environmental justice
Tribal consultation or coordination or other issues	Congressional involvement	High media interest
Statutory Exemption for \$2 Million	Statutory Exemption for 1 Year	Active fire present
Hazmat Entry Conducted – Level A, B or C	X Incident or Unified Command established	Actual air release (not threatened)

Green Metrics

Metric	Amount	Units
Diesel Fuel Used	1604.54	gallons
Unleaded Fuel Used	1379.73	gallons
Alternative/E-85 Fuel Used	0	gallons
Propane	53.7	gallons
Kerosene	85	gallons
Electricity from Coal	0	kW
Electricity from solar/wind	0	kW

Electricity from grid/mix	34927
Solid waste used	10
Solid waste recycled	NA

kW
bags (corn cobs)

2.3 Logistics Section

Site logistics are being managed by ERRS.

Site infrastructure has been demobilized.

2.4 Finance Section

2.4.1 Narrative

This removal action is complete.

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$1,435,000.00	\$1,412,784.00	\$22,216.00	1.55%
IAGs	\$48,500.00	\$47,500.00	\$1,000.00	2.06%
TAT/START	\$190,000.00	\$188,265.00	\$1,735.00	0.91%
Intramural Costs				
USEPA - Direct	\$75,000.00	\$74,500.00	\$500.00	0.67%
USEPA - InDirect	\$40,000.00	\$39,500.00	\$500.00	1.25%
Total Site Costs				
	\$1,788,500.00	\$1,762,549.00	\$25,951.00	1.45%

* 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

No Unified Command. This is a Time-Critical Response directed by EPA, not an ICS incident.

3.2 Cooperating Agencies

Jackson County Treasurer's Office
City of Jackson Water Department
Michigan Department of Environmental Quality (MDEQ)

4. Personnel On Site

EPA: 2
USCG: 7
START: 1
ERRS: 9

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.