

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: **POLREP #2**
Progress update
Michner Plating - Mechanic Street Site
C57C
Jackson, MI
Latitude: 42.2541975 Longitude: -84.4060903

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From: Jeffrey Kimble, OSC

Date: 9/21/2015

Reporting Period: 9/8 - 9/18-2015

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:		Completion Date:	
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 1,000 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 1,000 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. The Site is vacant and no longer maintained, and many of the containers showed signs of deterioration. Residences and other occupied properties are located approximately 250 feet east of Site, and the Grand River is located approximately 50 feet west of the Site, thus leading to the potential exposure of animals and humans to hazardous substances.

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 initiated a time-critical removal action consisting of the removal of unknown materials on August 24, 2015.

2.1.2 Response Actions to Date

9/8/15 – Crews collected samples from containers 213 through 279. The chemist completed hazard categorization through sample 074.

9/9/2015 – Crews collected samples from containers 279 through 336. Hazard categorization of samples continued. The crew began sweeping in the central room of the main warehouse building and staging containers in this area. They also entered the office building and began moving containers from the building to the staging area.

9/10/2015 - Crews collected samples from containers 337 through 386. Hazard categorization of samples continued. The crew gathered containers from the laboratory area and moved them to the staging area.

9/11/2015 – Crews collected sample from containers 387 through 437. Hazard categorization of samples continued. To date, hazard categorization has been completed through sample 185. Crew gathered containers from the eastern portions of the building and moved to the staging area. Members of the Jackson County Health Department, the Summit Township Fire Department, and the City of Jackson Fire Department were onsite to conduct an EPA led walkthrough of the buildings. EPA identified the location of hazards at the site and discussed the site's emergency plans.

From 9/12-13/2015, no site work occurred. 24-hour security was on site.

9/14/15 – Crews collected samples from containers 438 through 566. Hazard categorization of samples continued. Crews continued to gather containers from the eastern and central portions of the building and moving them to the staging area.

9/15/2015 – Crews collected samples from containers 576 through 674. Hazard categorization of samples continued. Air monitoring results indicated HCN gas was detected over 30.0 ppm in the sampling area. Crews remain in Level B PPE during sampling activities. The crew remained in Level B PPE during sampling activities. Air monitoring showed no elevated HCN readings outside the immediate area of sampling activities, and no HCN were detected outside the building or near the perimeter of the site.

9/16/2015 - Crews collected samples from containers 675 through 721. Hazard categorization of samples continued. Crews gathered waste containers from the basement and first floor of the office building and moved these containers to the staging area in the warehouse building to stage them for sampling. EPA attended a meeting with members of the Summit Township Fire Department and the City of Jackson Fire Department to discuss emergency planning activities at the site.

9/17/2015 – Crews collected samples from containers 712 through 775. Hazard categorization of samples continued. Crews gathered waste containers from the garage and first floor of the office building, wrapped and covered the containers with poly sheeting, and moved the containers to the staging area in the warehouse building. The elevator in the office building stopped working. The crew tried to repair the elevator, but could not, so no large containers (greater than 5-gallons) from the upper floors can be moved. Members of the Jackson County Sheriff's Office – Emergency Management Department were onsite and met with EPA. The Sheriff's office representatives identified two potential unsecured entrances to the site which were secured by the crew.

9/18/2015 - Crews collected samples from containers 776 through 850. Hazard categorization of samples continued with the chemist completing hazard categorization through sample 430. Crews continued gathering containers from the garage and first floor of the office building and moved those containers to the staging area in the warehouse building. Crews also covered containers that have already been sampled.

with poly sheeting. The crew received a shipment of PPE including boots and gloves.

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 RP's bankruptcy and inability to finance the cleanup.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

Anticipated activities for the next reporting period include continuing to move containers into the staging area and to continue collecting samples and performing hazard categorization.

2.2.1.1 Planned Response Activities

Inventory and perform hazard characterization on all substances contained in containers, drums, tanks and spilled material on the floor and in pits;

Investigate the potential for soil contamination on the property;

Consolidate and package all hazardous substances, pollutants and contaminants for transportation and off-site disposal;

Dismantle and decontaminate process equipment, tanks and building components associated with the product process area, as necessary;

Remove from site and recycle or dispose of vats and waste containers and contaminated process equipment;

Transport and dispose of all characterized or identified hazardous substances, pollutants, wastes, or contaminants that pose a substantial threat of release at a RCRA/CERCLA approved disposal facility in accordance with EPA's Off-Site Rule (40 CFR § 300.440);

Take any other response actions to address any release or threatened release of a hazardous substance, pollutant or contaminant that the EPA OSC determines may pose an imminent and substantial endangerment to the public health or the environment.

2.2.1.2 Next Steps

Continue to perform the planned response actions until cleanup is complete.

2.2.2 Issues

No issues to report at this time.

2.3 Logistics Section

Site logistics are being managed by ERRS.

We are trying to establish a power drop from the power company to provide site power. We are currently operating off generators until this can be established.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

OSC is fulfilling this role.

2.5.2 Liaison Officer

OSC is fulfilling this role.

2.5.3 Information Officer

OSC is fulfilling this role.

3. Participating Entities

3.1 Unified Command

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: 2
START: 2
ERRS: 10

5. Definition of Terms

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

EPA Environmental Protection Agency

ERRS Emergency and Rapid Response Service

MDEQ Michigan Department of Environmental Quality

mg/kg milligrams per kilograms

OSC On Scene Coordinator

PPE Personal Protective Equipment

RCRA Resource Conservation and Recovery Act

PRP Potentially Responsible Party

START Superfund Technical Assessment and Response Team

USCG United States Coast Guard

6. Additional sources of information

6.1 Internet location of additional information/report

-- OSC reporting website with maps and technical documentation:
www.epaosc.org/MichnerMechanicStreet

(create a login and password if this is your first time visiting)

6.2 Reporting Schedule

POLREPs will typically be issued weekly.

7. Situational Reference Materials

No information available at this time.