

U.S. ENVIRONMENTAL PROTECTION AGENCY  
 POLLUTION/SITUATION REPORT  
 Kiser Plating - Removal Polrep



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region V**

**Subject:** POLREP #2  
 Progress PolRep  
 Kiser Plating  
 B5XK  
 Muncie, IN  
 Latitude: 40.1898450 Longitude: -85.3829730

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**From:** Shelly Lam, On-Scene Coordinator

**Date:** 7/19/2013

**Reporting Period:** July 15-19, 2013

**1. Introduction**

**1.1 Background**

<b>Site Number:</b>	B5XK	<b>Contract Number:</b>	EP-S5-09-05
<b>D.O. Number:</b>	119	<b>Action Memo Date:</b>	3/22/2013
<b>Response Authority:</b>	CERCLA	<b>Response Type:</b>	Time-Critical
<b>Response Lead:</b>	EPA	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	Non NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	6/14/2013	<b>Start Date:</b>	6/14/2013
<b>Demob Date:</b>		<b>Completion Date:</b>	
<b>CERCLIS ID:</b>	IND984891879	<b>RCRIS ID:</b>	IND984891879
<b>ERNS No.:</b>		<b>State Notification:</b>	

FPN#:

Reimbursable Account #:

**1.1.1 Incident Category**

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Incident Category: Manufacturing/Processing/Maintenance - Metal fabrication/finishing/coating

**1.1.2 Site Description**

The site is the former Kiser Plating. Kiser Plating operated as plating shop from approximately 1911 until 1999. It operated under the names Muncie Jewelry & Plating Works and J.F. Kiser Company Plating Works. Muncie Heat Light and Power Company, Muncie Electric Light Company, a hay warehouse, and Muncie Bagging Company also operated there prior to the plating shop. In 2001, the majority of the buildings on the property were destroyed in a fire. The City of Muncie demolished the one remaining building in 2010 or 2011. The site is currently vacant.

**1.1.2.1 Location**

Kiser Plating is located at 401 E. Howard Street in Muncie, Delaware County, Indiana. The geographical coordinates are 40.1902° north latitude and 85.3832° west longitude.

Kiser Plating is located in the southeast portion of downtown Muncie in an area that is a mixture of commercial, residential, and industrial properties. A residential building is located north of Kiser Plating across Howard Street; a warehouse and former industrial property are to the east across an alley; a commercial building is located to the south; and residential properties are located to the west. Based on 2010 census data, approximately 10,000 people live within one mile of the site.

**1.1.2.2 Description of Threat**

The Environmental Protection Agency (EPA) conducted a site assessment and documented the presence of hazardous substances as defined by section 101(14) of CERCLA including arsenic, cadmium, copper, 1,1-dichloroethene, trans-1,2-dichloroethene, ethylbenzene, mercury, nickel, tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride, and xylene.

Hazardous substances are present in soil and soil vapor. Possible exposure routes for hazardous substances include dermal contact with contaminated soil and inhalation of contaminated air that has migrated through subsurface soil and groundwater (i.e. vapor intrusion [VI]). Potential human receptors include trespassers, future workers and nearby residents

**1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results**

See Pollution Report (PolRep) #1 for information on site assessment results.

From June 14-24, 2013, EPA conducted an extent-of-contamination survey on-site and a soil gas investigation off-site. For the extent-of-contamination survey, EPA divided the site into 25-foot grids and collected soil samples for total metals analysis from 0-4 feet below ground surface (bgs). Maximum concentrations of metals included arsenic at 68 milligrams per kilogram (mg/kg); cadmium at 85.6 mg/kg; total chromium at 50,100 mg/kg; hexavalent chromium at 1,590 mg/kg; and lead at 468 mg/kg.

EPA identified several volatile organic compounds (VOC) in soil gas samples, including 1,1,2,2-tetrachloroethane; 1,3-butadiene; benzene; ethylbenzene; and TCE. Maximum concentrations in soil gas were 0.7 parts per billion by volume (ppbv) for 1,1,2,2-tetrachloroethane; 14.5 ppbv for 1,3-butadiene; 22 ppbv for benzene; 11.5 ppbv for ethylbenzene; and 78.7 ppbv for TCE. EPA will use these results to define the VI study area for assessment and mitigation.

**2. Current Activities****2.1 Operations Section****2.1.1 Narrative**

EPA initiated time-critical removal actions on June 14, 2013. Removal actions will include developing and implementing site plans, including a Work Plan, Health and Safety Plan, and Air Monitoring Plan; removing approximately 1,500 cubic yards of contaminated soil based on site assessment analytical results; backfilling excavated areas with clean impermeable fill; conducting vapor intrusion assessment at up to 50 nearby properties within ¼ mile of the site; performing vapor intrusion mitigation at residential properties where assessment results show that relevant indoor air action levels are exceeded in accordance with current EPA guidance; and consolidating and packaging hazardous substances, pollutants and contaminants for transportation and off-site disposal in accordance with the EPA Off-Site Rule, 40 Code of Federal Regulations (CFR) § 300.440.

### 2.1.2 Response Actions to Date

From July 15-19, 2013, EPA conducted the following activities:

- Remobilized to the site;
- Completed site setup;
- Distributed Emergency Contingency Plans to the Muncie Fire Department, Muncie Police Department, the Delaware County Health Department, and a neighboring business;
- Began excavating contaminated soil;
- Conducted dust suppression during excavation;
- Conducted air monitoring for VOCs using AreaRAEs and particulates using DataRAMs connected to the VIPER wireless monitoring system;
- Shipped 198 tons of soil off-site for disposal; and
- Maintained site security during off-site hours.

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

Based on available parties, the PRPs do not have the financial resources to conduct the work. The former owner is in Chapter 7 receivership.

### 2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Contaminated soil	Solid	198 tons	Various	None	Jay County Landfill

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

The next sections discuss EPA's planned response activities and next steps.

#### 2.2.1.1 Planned Response Activities

During the next reporting period, EPA will continue excavating contaminated soil . EPA will also identify addresses of properties for VI assessment.

#### 2.2.1.2 Next Steps

EPA will dispose of soil in accordance with the Off-Site Rule. Additionally, EPA will begin community engagement for vapor assessment and mitigation.

### 2.2.2 Issues

None

## 2.3 Logistics Section

EPA's contractors are providing logistical support.

## 2.4 Finance Section

### 2.4.1 Narrative

On March 22, 2013, EPA approved an Action Memorandum with a total project ceiling of \$1,021,918. EPA issued delivery orders to the Emergency and Rapid Response Services (ERRS) contractors in the amount of \$300,000. The Superfund Technical Assessment and Response Team (START) contractor has been issued a Technical Direction Document (TDD) in the amount of \$44,500.

### Estimated Costs \*

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	Budgeted	Total To Date	Remaining	% Remaining
<b>Extramural Costs</b>				
ERRS - Cleanup Contractor	\$300,000.00	\$11,038.57	\$288,961.43	96.32%
TAT/START	\$44,500.00	\$6,502.29	\$37,997.71	85.39%
<b>Intramural Costs</b>				
USEPA - Direct	\$50,000.00	\$9,597.57	\$40,402.43	80.80%
<b>Total Site Costs</b>				
	\$394,500.00	\$27,138.43	\$367,361.57	93.12%

\* 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

On-Scene Coordinator (OSC) Shelly Lam is the safety officer for time-critical removal actions. EPA approved the Health and Safety Plan (HASP) and contractors are attending daily health and safety meetings.

### 2.5.2 Liaison Officer

Not applicable (NA)

### 2.5.3 Information Officer

The OSC is coordinating a media release with the Office of Public Affairs.

## 3. Participating Entities

### 3.1 Unified Command

NA

### 3.2 Cooperating Agencies

Cooperating agencies include the City of Muncie, Delaware County Health Department, and IDEM.

## 4. Personnel On Site

The following numbers of personnel were on-site during the reporting period.

Agency # Personnel

EPA 1

START 1

ERRS 3

## 5. Definition of Terms

bgs below ground surface

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

CFR Code of Federal Regulations

EPA	Environmental Protection Agency
ERRS	Emergency and Rapid Response Services
HASP	Health and Safety Plan
mg/kg	milligrams per kilogram
NA	Not applicable
OSC	On-Scene Coordinator
PCE	Tetrachlorethene
PolRep	Pollution Report
ppbv	parts per billion by volume
PRP	Potentially Responsible Party
START	Superfund Technical Assessment and Response Team
TCE	Trichloroethene
TDD	Technical Direction Document
VI	Vapor Intrusion
VOC	Volatile Organic Compound

## **6. Additional sources of information**

### **6.1 Internet location of additional information/report**

Refer to [www.epaosc.org/kiserplating](http://www.epaosc.org/kiserplating) for additional information.

### **6.2 Reporting Schedule**

The OSC will submit the next PolRep the week of July 21st.

## **7. Situational Reference Materials**

NA