

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #9  
Final  
Kiser Plating  
B5XK  
Muncie, IN  
Latitude: 40.1898450 Longitude: -85.3829730

**To:**

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

**Date:** 2/2/2015

**Reporting Period:** March 2014 - February 2015

## 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>	8/16/2014	<b>Completion Date:</b>	2/2/2015
<b>CERCLIS ID:</b>	IND984891879	<b>RCRIS ID:</b>	IND984891879
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

#### 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, J.F. Kiser Company Plating Works, and Shear-Line Golf. Former operations included plating silver tableware, gold and silver jewelry, nickel golf clubs, and military parts for World Wars I and II, the Korean War, and the Vietnam War. Muncie Heat Light and Power Company, Muncie Electric Light Company, a hay warehouse, and Muncie Bagging Company also operated at the property 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). Potential human receptors include trespassers, future workers and nearby residents

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

See previous Pollution Reports (PolRep) for information on assessment results.

## 2. Current Activities

### 2.1 Operations Section

### 2.1.1 Narrative

EPA initiated time-critical removal actions on June 14, 2013. Removal actions include developing and implementing site plans, including a Work Plan, Health and Safety Plan, and Air Monitoring Plan; removing contaminated soil; backfilling excavated areas with clean impermeable fill; conducting vapor intrusion assessment at 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

For previous actions, refer to PolReps 1-8. From March 1, 2014 to February 2, 2015, EPA conducted the following actions:

- EPA retested homes where the pathway was incomplete but the potential for vapor intrusion existed; and
- Reported results to residents of the subject homes.

Based on a review of the analytical data, the targeted vapors in all homes retested were below vapor intrusion screening levels.

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

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

### 2.1.4 Progress Metrics

Waste Stream	Medium	Quantity	Manifest #	Treatment	Disposal
Contaminated soil	Solid	4167.33 tons	Various	NA	Jay County Landfill

### 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	5
Contaminant(s) of Concern	Arsenic, cadmium, copper, hexavalent chromium, 1,1-dichloroethene, trans-1,2-dichloroethene, ethylbenzene, mercury, nickel, tetrachloroethene (PCE), trichloroethene (TCE), vinyl chloride, and xylene	

### Oil Response Tracking

Estimated volume	Initial amount released	NA
	Final amount collected	NA
	FPN Ceiling Amount	NA
CANAPS Info	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	X 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	X Statutory Exemption for 1 Year	Active fire present
Hazmat Entry Conducted – Level A, B or C	Incident or Unified Command established	Actual air release (not threatened)

### Green Metrics

Metric	Amount	Units
Diesel Fuel Used	Removal conducted prior to metrics being tracked	gallons
Unleaded Fuel Used	Removal conducted prior to metrics being tracked	gallons
Alternative/E-85 Fuel Used	Removal conducted prior to metrics being tracked	gallons
Electricity from Coal	Removal conducted prior to metrics being tracked	kW
Electricity from solar/wind	Removal conducted prior to metrics being tracked	kW
Electricity from grid/mix	Removal conducted prior to metrics being tracked	kW
Solid waste used	Removal conducted prior to metrics being tracked	
Solid waste recycled	Removal conducted prior to metrics being tracked	

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

See Section 2.2.1.2.

#### **2.2.1.1 Planned Response Activities**

None

#### **2.2.1.2 Next Steps**

EPA will refer the site to IDEM.

#### **2.2.2 Issues**

None

### **2.3 Logistics Section**

No information available at this time.

### **2.4 Finance Section**

No information available at this time.

### **2.5 Other Command Staff**

#### **2.5.1 Safety Officer**

The EPA OSC was the safety officer for time-critical removal actions.

#### **2.5.2 Liaison Officer**

NA

#### **2.5.3 Information Officer**

NA

### **3. Participating Entities**

#### **3.1 Unified Command**

NA

#### **3.2 Cooperating Agencies**

Cooperating agencies included 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

START 1

ERRS 1

### **5. Definition of Terms**

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
IDEM	Indiana Department of Environmental Management
NA	Not applicable
OSC	On-Scene Coordinator
PCE	Tetrachlorethene
PolRep	Pollution Report
PRP	Potentially Responsible Party
START	Superfund Technical Assessment and Response Team
TCE	Trichloroethene
TDD	Technical Direction Document

### **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**

No further POLREPs will be issued.

### **7. Situational Reference Materials**

NA