

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



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
 Region V**

Subject: **POLREP #4**
Progress PolRep
Kiser Plating
B5XK
Muncie, IN
Latitude: 40.1898450 Longitude: -85.3829730

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From: Shelly Lam, On-Scene Coordinator

Date: 8/2/2013

Reporting Period: July 29 - August 2, 2013

1. Introduction

1.1 Background

Site Number:	B5XK	Contract Number:	EP-S5-09-05
D.O. Number:	119	Action Memo Date:	3/22/2013
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	6/14/2013	Start Date:	6/14/2013
Demob Date:		Completion Date:	
CERCLIS ID:	IND984891879	RCRIS ID:	IND984891879

ERNS No.:**State Notification:****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, 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 [VI]). 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 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 29 - August 2, 2013, EPA conducted the following activities:

- Continued excavating contaminated soil;
- Conducted dust suppression during excavation;

- Conducted air monitoring for volatile organic compounds (VOC) using AreaRAEs and particulates using DataRAMs connected to the VIPER wireless monitoring system;
- Shipped soil off-site for disposal;
- Collected 28 confirmation soil samples, including three duplicates, from 19 grids;
- Collected sample of backfill material to verify that clean fill will be installed at the site; and
- Maintained site security during off-site hours.

EPA collected soil confirmation samples from completely excavated grids. Samples were collected from the floor and walls of each grid. Samples for metals analysis were composited from five locations. Grab samples for volatile organic compound (VOC) analysis were collected from the center of the floor or wall. EPA received sample results from five grids - AA, AB, AD, AE, and AF. The table below provides maximum concentrations for the grids compared to EPA's Removal Management Levels (RML) for commercial/industrial soil and the Indiana Department of Environmental Management's (IDEM) Commercial/Industrial Direct Contact Soil Exposure levels. A map showing grid locations is posted to www.epaos.org/kiserplating.

Analyte	Units	Maximum Concentration	IDEM Industrial Exposure Level	Industrial RML
Arsenic	mg/kg	8.8	16	160
Barium	mg/kg	93.5	100,000	570,000
Cadmium	mg/kg	2.9	800	2,400
Chromium	mg/kg	154		
Chromium, Hexavalent	mg/kg	3.6	56	560
Lead	mg/kg	38.6	1,300	800
Trichloroethene	mg/kg	0.0386	20	60

mg/kg - milligrams per kilogram

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

Based on available information, 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	2832.58 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

EPA will suspend operations at the site from August 8 - 11, returning to the site on August 12. During the next reporting period, EPA will continue excavating contaminated soil, collecting confirmation samples, and may begin backfilling grids.

2.2.1.2 Next Steps

When excavation is complete, EPA will restore the site with backfill materials and grass seed. EPA will initiate VI 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 *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
ERRS - Cleanup Contractor	\$300,000.00	\$166,735.28	\$133,264.72	44.42%
TAT/START	\$44,500.00	\$29,996.95	\$14,503.05	32.59%
Intramural Costs				
USEPA - Direct	\$50,000.00	\$10,509.84	\$39,490.16	78.98%
Total Site Costs				
	\$394,500.00	\$207,242.07	\$187,257.93	47.47%

* 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

EPA has scheduled a community meeting for the evening of August 21st at the Maring-Hunt Library. Additional details will follow.

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

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
mg/kg	milligrams per kilogram
NA	Not applicable
OSC	On-Scene Coordinator
PCE	Tetrachlorethene
PolRep	Pollution Report
PRP	Potentially Responsible Party
RML	Removal Management Level
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 for additional information.

6.2 Reporting Schedule

The OSC will submit the next PolRep on August 16th.

7. Situational Reference Materials

NA