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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: **POLREP #3**
Progress PolRep
Kiser Plating
B5XK
Muncie, IN
Latitude: 40.1898450 Longitude: -85.3829730

To:
From: Shelly Lam, On-Scene Coordinator
Date: 7/26/2013
Reporting Period: July 22-26, 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 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 22-26, 2013, EPA conducted the following activities:

- Continued 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 soil off-site for disposal;
- Collected 17 confirmation soil samples, including one duplicate, from seven grids; and
- Maintained site security during off-site hours.

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

Waste Stream	*Medium*	*Quantity*	*Manifest #*	*Treatment*	*Disposal*
Contaminated soil	Solid	1,585.24 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 send fact sheets and access agreements to residential properties identified for vapor intrusion sampling.

2.2.1.2 Next Steps

When excavation is complete, EPA will restore the site with backfill materials and grass seed. EPA will conduct a community meeting on August 21st.

2.2.2 Issues

None

2.3 Logistics Section

EPA's contractors are providing logistical support.

2.4 Finance Section

No information available at this time.

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. 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

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 for additional information.

6.2 Reporting Schedule
The OSC will submit the next PolRep the week of July 29th.

7. Situational Reference Materials
NA