

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Kokomo Dump - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #10
Progress Report
Kokomo Dump
C564
Kokomo, IN
Latitude: 40.4770000 Longitude: -86.1650000

To:
From: Shelly Lam, On-Scene Coordinator
Date: 11/3/2014
Reporting Period: October 1-31, 2014

1. Introduction

1.1 Background

Site Number:	C564	Contract Number:	
D.O. Number:		Action Memo Date:	8/13/2012
Response Authority:	CERCLA	Response Type:	PRP Oversight
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	2/24/2014	Start Date:	8/5/2013
Demob Date:		Completion Date:	
CERCLIS ID:	INN000510728	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) incident category:
Waste Management - co-disposal landfill (municipal and industrial)

1.1.2 Site Description

The Kokomo Dump Site is 4.54 acres in size, and contains one small building. The City of Kokomo owns the property, which is currently operated by Howard County as a yard waste recycling center. The City operated a municipal landfill at the site from 1963 to the 1970s. Landfill operations included running a large tepee-style incinerator until the late 1960s.

1.1.2.1 Location

The Kokomo Dump Site is located at 1130 S. Dixon Road in Kokomo, Howard County, Indiana, 46901. The geographical coordinates for the site are latitude 40.477° north and longitude 86.165° west.

The area around the site is mixed use, including residential, commercial, and industrial properties. The site is bounded by a metal recycling facility to the north; a railroad and Haynes International to the east; residential properties to the south; and Dixon Road to the west. Wildcat Creek is approximately 500 feet from the northern boundary of the site.

1.1.2.2 Description of Threat

The Site Assessment documented hazardous substances in surface soil/waste piles, subsurface soil, and leaking from drums into a small creek, which drains into Wildcat Creek. Hazardous substances, as defined by Section 101(14) of CERCLA, included lead, arsenic, polychlorinated biphenyls (PCB), benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

The facility is currently operated as a yard waste recycling center, and is open to the public. Additionally, the facility is not fenced completely along the southern, western, and northern property boundaries, potentially allowing access to trespassers. The Environmental Protection Agency's (EPA) On-Scene Coordinator (OSC) observed that one of the drums was close to a child's swing set on a neighboring residential property.

Release mechanisms from these sources include fugitive dust generation from soil or waste to air; contaminated surface soil or waste runoff and overland flow to surface water, in particular Wildcat Creek; leaching of surface and buried waste to groundwater and deeper soils; and tracking of contaminated surface soil or waste. Possible exposure routes for hazardous substances include dermal contact with contaminated soil or waste; inhalation or accidental ingestion of fugitive dust; and direct contact with

potentially-impacted surface water or sediment in the on-site creek or Wildcat Creek. Potential human receptors include current and future site workers, site visitors, trespassers at the site, recreational users of Wildcat Creek, and nearby residents.

1.1.3 Preliminary Removal

The OSC and the Superfund Technical Assessment and Response Team (START) contractor conducted a Site Assessment on August 19, 2011. Site Assessment activities included drum, surface and subsurface soil sampling. EPA documented high levels of lead, arsenic, and PCBs. Refer to Pollution Report (PolRep) #1 for additional information.

Additional site investigation in April 2014 documented hazardous substances including lead, arsenic, PCBs, benzo(a)pyrene, benzo(b)fluoranthene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene; and pollutants and contaminants including benzo(a)anthracene. Refer to PolRep #6 for additional information.

2. Current Activities

2.1 Operations Section

• 2.1.1 Narrative

EPA executed an Administrative Settlement Agreement and Order on Consent (ASAOC) on August 5, 2013, pursuant to Sections 104, 106(a), 107 and 122 of CERCLA, as amended, 42 U.S. Code (USC) §§ 9604, 9606(a), 9607 and 9622. Work to be performed under the ASAOC includes:

- Developing and implementing site plans including a site-specific Health and Safety Plan (HASP), a Quality Assurance Project Plan (QAPP), a Site Emergency Contingency Plan, and a Work Plan;
- Establishing site security;
- Determining the extent of buried drums and contamination in soil;
- Developing and implementing a plan to control, contain, and/or remove drums and highly contaminated soil;
- Performing sampling and analysis to determine disposal options;
- Providing EPA with notice of sampling events five (5) business days in advance of the sampling so that EPA can conduct oversight and split samples; 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

The City of Kokomo and its insurers contracted with SESCO Group (SESCO). During this reporting period, SESCO received laboratory analytical results from surface waste piles. Results were below screening levels with a few exceptions.

- Arsenic was above residential screening levels in five surface waste piles. However, the results are within three times background concentrations and are likely from naturally-occurring arsenic.
- Lead was detected in Waste Pile 3 at a concentration of 572 milligrams per kilogram (mg/kg). This concentration is below the industrial screening level of 800 mg/kg but above the residential screening level of 400 mg/kg. Because the sample result from Waste Pile 3 represents an average concentration from 9 sub-samples, there is potential for lead in part of the waste pile to be above 800 mg/kg. As such, the OSC requested that SESCO prepare a work plan for addressing Waste Pile 3.

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

EPA executed Docket No. V-W-13 C-018 on August 5, 2013 with the City of Kokomo as the Respondent.

2.1.4 Progress Metrics

Below is a summary of waste transported off-site.

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Non-hazardous purge water	Liquid	100 gallons	70914	NA	CGS Services, Morristown, Indiana
Non-hazardous soil cuttings	Solid	410 gallons	70914	NA	CGS Services, Morristown, Indiana

Below is a schedule of milestones per the ASAOC and/or the approved schedule.

Order #	Milestone	Date Due	Date Started	Date Done
89	Effective Date	8/5/2013	Not applicable (NA)	8/5/2013
16b	Establish site security	NA	NA	8/5/2013
12	Contractor Notification, including Quality Management Plan	8/12/2013	NA	8/9/2013
13	Project Coordinator Notification	8/12/2013	NA	8/9/2013

18	HASP	9/4/2013	NA	9/4/2013
17a	Work Plan, including QAPP	9/4/2013	NA	9/4/2013
17b	Work Plan Revisions	10/27/2013	NA	10/27/2013
	Work Plan Approval	NA	NA	2/24/2014
16c	Field Investigation	4/21/2014	2/24/2014	4/21/2014
	Site boundary survey	3/17/2014	3/7/2014	3/7/2014
	Phase I environmental site assessment	3/3/2014	2/3/2014	5/28/2014
	Brush clearance	3/3/2014	2/24/2014	
	Utility clearance	4/10/2014	2/18/2014	2/18/2014
	Surface drum removal	2/26/2014	2/24/2014	2/26/2014
	Geophysical survey	6/13/2014	3/31/2014	6/10/2014
	Geophysical survey completion	1/8/2015		
	Waste Pile Work Plan	7/7/2014	NA	7/7/2014
	Waste Pile Work Plan Approval	NA	NA	7/31/2014
	Waste Pile Sampling	9/11/2014	9/9/2014	9/11/2014
	Waste Pile Analytical Results	10/17/2014	NA	10/14/2014
	Waste Pile Management Plan	11/14/2014		
	Waste Pile Relocation or Disposal	12/12/2014		
16f	Surface and subsurface soil sampling	4/21/2014	4/14/2014	4/21/2014
	Laboratory Results	5/12/2014	NA	6/27/2014
	Test pit excavations	2/6/2015		
	Removal	TBD		
22	Final Report, 60 days after removal is complete	TBD		

2.2 Planning Section

2.2.1 Anticipated Activities

The following sections discuss planned response activities and next steps.

2.2.1.1 Planned Response Activities

SESCO will submit a Waste Pile Management Plan on or before November 14, 2014. Field work is scheduled to resume in December when the Howard County Yard Waste Recycling Center closes for the season.

2.2.1.2 Next Steps

The areas to be removed will be determined by the surface and subsurface soil analytical results and the geophysical survey.

2.2.2 Issues

None.

2.3 Logistics Section

NA

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

Personnel are working under an approved HASP. EPA's OSC has overall responsibility for health and safety.

2.5.2 Liaison Officer

NA

2.5.3 Information Officer

NA

3. Participating Entities

3.1 Unified Command

NA

3.2 Cooperating Agencies

EPA will coordinate with the Indiana Department of Environmental Management (IDEM) and the Howard County Health Department.

4. Personnel On Site

No personnel were on-site during the reporting period for time-critical removal activities.

5. Definition of Terms

ASAO	Administrative Settlement Agreement and Order on Consent
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
EPA	Environmental Protection Agency
HASP	Health and Safety Plan
IDEM	Indiana Department of Environmental Management
mg/kg	milligrams per kilogram
NA	Not Applicable
OSC	On-Scene Coordinator
PCB	Polychlorinated Biphenyls
PolRep	Pollution Report
PRP	Potentially Responsible Party
QAPP	Quality Assurance Project Plan
SESCO	SESCO Group
START	Superfund Technical Assessment and Response Team
TBD	To Be Determined
USC	U.S. Code

6. Additional sources of information

6.1 Internet location of additional information/report

Additional information is posted to www.epaosc.org/kokomodump.

6.2 Reporting Schedule

PolReps will be submitted monthly.

7. Situational Reference Materials

NA