

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Exide Battery - Removal Polrep
Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: POLREP #9
Final Report
Exide Battery
B5YX
Frankfort, IN
Latitude: 40.2851740 Longitude: -86.4956950

To:
From: Shelly Lam, On-Scene Coordinator
Date: 9/14/2016
Reporting Period: March 1 - September 14, 2016

1. Introduction

1.1 Background

Site Number:	B5YX	Contract Number:	EP-S5-09-05
D.O. Number:	175	Action Memo Date:	8/15/2015
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	9/8/2015	Start Date:	9/8/2015
Demob Date:	8/16/2016	Completion Date:	9/14/2016
CERCLIS ID:	INN000510504	RCRIS ID:	IND001647460
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

1.1.2 Site Description

The Exide Battery Site is a Residential Area surrounding the former Exide Battery facility at 555 North Hoke Avenue in Frankfort, Clinton County, Indiana. The Exide facility was originally developed by Prest-O-Lite Manufacturing during the World War II era. After General Battery Company purchased the property from Prest-O-Lite Manufacturing, battery manufacturing operations continued at the facility. In 1987, Exide acquired General Battery Corporation and the facility. Exide continued battery manufacturing as a large quantity generator until manufacturing was discontinued in 1998. From February 1999 until 2013, the facility was used to store equipment from other Exide properties. Facility buildings were eventually demolished.

1.1.2.1 Location

This Residential Area is defined as the area bounded by Washington Avenue to the north, Kelley Avenue to the east, the railroad to the south, and Young Street to the west. Coordinates for the center of the Residential Area are 40.2851740 degrees north latitude and 86.4956950 degrees west longitude.

1.1.2.2 Description of Threat

The U.S. Environmental Protection Agency (EPA) documented releases of lead in the soil nearby residences and trichloroethene (TCE) in the indoor air at one home. Lead and TCE are hazardous substances as defined by section 101(14) of CERCLA. Possible exposure routes include dermal contact with lead-contaminated soil; ingestion or inhalation of lead particles in soil; and inhalation of contaminated air that may have migrated through groundwater, i.e. vapor intrusion. Potential human receptors include residents in the Residential Area.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

See previous Pollution Reports (PolRep).

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

EPA signed an Action Memorandum on August 5, 2015 to conduct a time-critical removal action. The

2.1.2 Response Actions to Date

During the reporting period, EPA conducted two rounds of post-installation proficiency sampling at one residence in March and August. The purpose of sampling was to demonstrate that the vapor mitigation system installed in February 2016 was working effectively.

In March, EPA detected tetrachloroethene (PCE) and TCE in both sub-slab and indoor air samples. Concentrations were below vapor intrusion screening levels (VISL).

In August, EPA detected PCE, TCE, trans-1,2-dichloroethene (DCE), and cis-1,2,-DCE in the sub-slab sample. TCE was detected above the sub-slab VISL of 70 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) at a concentration of 200 $\mu\text{g}/\text{m}^3$. The other compounds were below the sub-slab VISL and no compounds were detected in the indoor air sample.

Based on these results, EPA determined that the vapor mitigation system was working effectively, and no further work was necessary.

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

Information on the PRPs and enforcement activities is contained in the Confidential Enforcement Addendum to the Action Memorandum.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
Non-hazardous soil	Solid	1,497 tons	Various	NA	Clinton County Landfill, Frankfort, IN

<i>Regional Metrics</i>		
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	12
	Number of workers on site	8
Contaminant(s) of Concern		
<i>Oil Response Tracking</i>		
Estimated volume	Initial amount released	NA
	Final amount collected	NA
CANAPS Info	FPN Ceiling Amount	NA
	FPN Number	NA
	Body of Water affected	NA
<i>Administrative and Logistical Factors</i>		
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
IIIAO	INPI site	Relocation

DOJ involved	Remote location	Drinking water impacted
Criminal Charges Have Been Filed*	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	475.37	gallons
Unleaded Fuel Used	1,054.67	gallons
Alternative/E-85 Fuel Used	24.52	gallons
Electricity from electric company	NA	kWh
Electric Company Name and Account #	Included in building rent	
Electricity from sources other than the electric company	NA	kWh
Solid waste reused	NA	
Solid waste recycled	NA	
Water Used	Included in building rent	gallons

2.2 Planning Section

2.2.1 Anticipated Activities

No additional response activities are planned.

2.2.1.1 Planned Response Activities

None

2.2.1.2 Next Steps

None

2.2.2 Issues

None

2.3 Logistics Section

The Emergency and Rapid Response Service (ERRS) contractor provided logistical support.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

The On-Scene Coordinator (OSC) was responsible for addressing worker health and safety concerns at a response scene, in accordance with 40 Code of Federal Regulations (CFR) § 300.150. Site personnel worked under a site-specific health and safety plan (HASP), and attended daily health and safety briefings.

2.5.2 Liaison Officer

Not applicable (NA)

2.5.3 Information Officer

NA

3. Participating Entities

3.1 Unified Command

NA

3.2 Cooperating Agencies

EPA received support from the Indiana Department of Environmental Management, the City of Frankfort, and the Clinton County Health Department.

4. Personnel On Site

Two START personnel were on-site during the reporting period.

5. Definition of Terms

µg/m³ micrograms per cubic meter

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

CFR	Code of Federal Regulations
DCE	Dichloroethene
EPA	Environmental Protection Agency
ERRS	Emergency and Rapid Response Services
HASP	Health & Safety Plan
NA	Not Applicable
OSC	On-Scene Coordinator
PCE	Tetrachloroethene
PolRep	Pollution Report
PRP	Potentially Responsible Parties
START	Superfund Technical Assessment and Response Team
TCE	Trichloroethene
VISL	Vapor Intrusion Screening Level

6. Additional sources of information

6.1 Internet location of additional information/report

For additional information, refer to www.epaossc.org/exidebattery.

6.2 Reporting Schedule

No additional PolReps will be submitted.

7. Situational Reference Materials

NA