

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Ellis Road - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region IV

Subject: POLREP #4
Ellis Road
049W
Jacksonville, FL
Latitude: 30.3202749 Longitude: -81.7436254

To: James Webster, USEPA R4 ERRPB

From: Chris Tripp, On-Scene Coordinator

Date: 8/8/2016

Reporting Period:

1. Introduction

1.1 Background

Site Number:	049W	Contract Number:	
D.O. Number:		Action Memo Date:	9/11/2012
Response Authority:	CERCLA	Response Type:	PRP Oversight
Response Lead:	PRP	Incident Category:	Removal Action
NPL Status:	Non NPL	Operable Unit:	
Mobilization Date:	12/2/2013	Start Date:	9/11/2012
Demob Date:		Completion Date:	
CERCLIS ID:		RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time Critical, PRP Led removal with EPA oversight.

1.1.2 Site Description

AEC operated at the Site from 1981 to 1984 as a staging and re-packing facility for the disposal of PCB transformers. The company also provided for the transportation and disposal of others wastes. In 1984, a fire at the facility contributed to the spreading of contamination throughout the Site. Portions of the Site are open to the public and have residential dwellings located on the property. Although previous removal actions were conducted, as noted above, hazardous substances still remain on site.

1.1.2.1 Location

The Ellis Road/American Electric Corporation Superfund Site is located in Jacksonville, Duval County, Florida, and encompasses the former property on which American Electric Corporation (AEC) operated, located at 475, 495 and 523 South Ellis Road in Jacksonville, Duval County, Florida.

The Site is bounded to the north by Arnold Avenue, the east by Roberts Street, the south by Harold Avenue, and the west by South Ellis Road

1.1.2.2 Description of Threat

The American Electric Corporation operated at the Site from 1981 to 1984 as a staging and re-packing facility for the disposal of polychlorinated biphenol (PCB) transformers. The company also provided for the transportation and disposal of others wastes. In 1984, a fire at the facility contributed to the spreading of contamination throughout the Site. Portions of the Site are open to the public and have residential dwellings located on the property.

The results of the 2010 RSE published in the Removal Investigation Report (RI) indicate the presence of PCBs at the Site. PCBs are hazardous substances as defined by §101 (14) of CERCLA. The EPA and the International Agency for Research on Cancer (IARC) have determined that PCBs are probable carcinogens

to humans. PCBs, if released from the Site, have the capability of presenting a potential hazard to the occupants of the property and potentially to neighboring properties. The threat comes primarily from human exposure to the PCB contamination in surface soil through residential traffic and land use over the contaminated areas of the property. Direct contact, ingestion, and inhalation of PCBs are the primary pathways of exposure. Continued exposure of PCBs in surface soils may cause chronic health effects to the occupants of the property.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Site sampling was conducted from 12/02/2013 -12/11/2013. Incremental sampling methodology was used to gather samples for analysis. In order to further delineate the extent of contamination, a second round of sampling was performed in August, 2014. A synopsis of the results are below.

12 Sampling Units (Decision Units) representing the 4 city blocks (Site)

PCBs 2 exceeded the Florida Residential SCTL of 500 ug/Kg (both the former AEC facility parcels)

Dioxin 0 (zero) exceeded the Florida Residential SCTL of 7 ng/Kg (for 2,3,7,8 TCDD): Dioxins no exceedences.

Arsenic 3 marginally exceeded the Florida Residential SCTL of 2.1 mg/Kg; however, concentrations are representative of background conditions.

Discrete Soil Sampling PCBs completed in Dec 2013 and August 2014

69 soil sampling locations

150 individual soil samples analyzed (plus QA/QC analysis)

Of the 150 soil samples, 31 exceeded the Florida Residential SCTL of 500 ug/Kg

6 concrete sample locations collected for disposal purposes

6 individual concrete samples (plus QA/QC)

1 exceeded 500 ug/Kg

None of the samples exceeded the TSCA criteria of 50 ppm.

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

GHD and Action Environmental have been hired as removal contractors to excavate/backfill, perform sampling/monitoring, and transport/dispose of PCB contaminated soil.

2.1.2 Response Actions to Date

July 11, 2016 - Heavy equipment and crews mobilize to the Ellis Rd Site. Safety briefing was held. Fencing was put up around the perimeter of the Site. Started excavation of contaminated soil at A4. GHD took two 5-point composite samples in A4 and samples from all side walls of excavated pit. No air monitoring levels were observed during excavation. Met with property owners.

July 12, 2016 - Started the day with a health and safety briefing. An operator discovered that the cap on the septic tank located on property was unstable and therefore a hazard; this area was fenced off. Crews started backfilling and steamrolling A4. Transportation and disposal of excavated soil took place throughout the day. Samples of A3 were taken. Crew sprayed water for dust control. No air monitoring levels were observed during excavation activities.

July 13, 2016 - Excavation of A1 began. A berm was created on the outer edge of A1 running parallel with Leaming Ave. Crew is going to wait on backfilling until new septic tank and leaching field are installed. Two 5-point composite and sidewall samples were taken in the A1 excavation area. There were thunderstorms.

July 14, 2016 - Continued excavation of A1 and A2. GHD took several 5-point composite and sidewall samples in A1 and A2. Excavated soil was covered. Thunderstorms arrived by late afternoon. No air monitoring levels were observed during excavation activities.

July 15, 2016 - Contaminant (N-Nitrosodimethylamine) found in concrete on property. Backfilling in A2 took place. Dump trucks transported and disposed of more contaminated soil. No air monitoring levels were observed during excavation activities.

July 21, 2016 - A3 was excavated to 2 feet, crews will excavate to 3 feet because sampling results came back with elevated levels of PCBs. A5, A6, A7 - property owner wanted to install on-property utility connections but is holding off until sample results come back. A4 - backfilled, with crushed limestone on

top. A1 - Samples came back with PCBs, waiting for septic installation to begin before they can remove contaminated soil and begin to backfill. Crews started backfilling A7. No air monitoring levels were observed during excavation activities. At this date an estimated 2,030 tons of contaminated soil have been transported off-site and disposed of. To this date crews have transported and disposed of around 2,030 tons of contaminated soil.

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

PRPs have been identified and have formed the Ellis Road Steering Committee to provide direction and funding for cleanup.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

Removal is expected to continue on to 475/495 Ellis Rd in the next week. Removal activities are planned to continue for two months.

2.2.1.1 Planned Response Activities

None

2.2.1.2 Next Steps

None

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

Estimated Costs *

	Budgeted	Total To Date	Remaining	% Remaining
Extramural Costs				
Intramural Costs				
USEPA - Direct	\$1,003.48	\$0.00	\$1,003.48	100.00%
Total Site Costs				
	\$1,003.48	\$0.00	\$1,003.48	100.00%

* 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

No information available at this time.

3. Participating Entities

3.1 Unified Command

USEPA

Ellis Rd Steering Committee

State of Florida

3.2 Cooperating Agencies

4. Personnel On Site

USEPA
Conesta Rovers & Associates

GHD: Bob Pyle: Bob.Pyle@ghd.com Kristen Bell: Kristen.Bell@ghd.com

Michael Potter: Michael.Potter@ghd.com

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.

POLREP #4 Last Updated 8/12/2016