

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
St. Clair Shores PCB Drain #2 - Removal Polrep
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: **POLREP #1**
St. Clair Shores PCB Drain #2
B5VE
St. Clair Shores, MI
Latitude: 42.4856214 Longitude: -82.8988813

To:
From: Jeffrey Lippert, On-Scene Coordinator
Date: 6/3/2014
Reporting Period: 05-28-2014 thru 06-06-14

1. Introduction

1.1 Background

Site Number:	B5VE	Contract Number:	EP-S5-09-05
D.O. Number:		Action Memo Date:	4/16/2014
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	NPL	Operable Unit:	
Mobilization Date:	5/27/2014	Start Date:	5/28/2014
Demob Date:		Completion Date:	
CERCLIS ID:	MIN000510421	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time-Critical, Fund Lead

1.1.2 Site Description

The site consists of a total of ten properties, nine residential and one commercial. Polychlorinated biphenyls (PCBs) were found in the soil at or near the ground's surface on all 10 properties. Samples collected from the commercial and residential properties showed levels of PCBs above the Removal Management Level (RML) of 22 mg/kg for Aroclor 1248 and the RML of 3.4 mg/kg for Aroclor 1254.

1.1.2.1 Location

The site is located near the intersection of Harper Avenue and Lakeland Street, St. Clair Shores, Macomb County, Michigan. The site is located in a residential neighborhood with one commercial property at the northeast corner of Harper Avenue and Lakeland Street.

1.1.2.2 Description of Threat

PCBs in the soil, as high as 3,500 parts per million were found in this area.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

For previous information on past removal actions, follow the links below.

http://www.epaossc.org/site/site_profile.aspx?site_id=2082

http://www.epaossc.org/site/site_profile.aspx?site_id=5727

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

EPA began a Time-Critical action consisting of the removal of PCB-contaminated soil from a residential yard, residential right-of-ways and one commercial property on May 27, 2014. Assistance from ERB was requested by the Remedial Branch after the Remedial Investigation confirmed levels of PCBs in residential areas above Removal Management Levels. The Time-Critical removal will consist of removing and disposing of unsecured PCB-contaminated soils at or near the ground's surface throughout the site.

2.1.2 Response Actions to Date

On May 27, 2014, EPA initiated a removal action to mitigate the threats posed by PCBs above the Removal Management Level (RML) of 22 mg/kg for Total PCBs and Aroclor 1248; and the RML of 3.4 mg/kg for Aroclor 1254 in residential and commercial yards by removing and replacing clean soil.

Prior to May 27, 2014, access was obtained and START completed pre-excavation assessments at all 10 impacted properties.

Between May 27, 2014 and June 06, 2014, EPA removed approximately 488 tons of contaminated soil from the site for offsite disposal. Waste was shipped to Wayne Disposal at 49350 North I-94 Service Drive, Belleville, Michigan 48111.

Excavation was completed at one area of the commercial property down 18 inches and the entire backyard at one residential property down 24 inches. Confirmation samples were collected for both properties. Analytical results indicate that the commercial property required further excavation and another 6 inches is being removed. Results for the residential property are due next week.

Air monitoring using a DataRam 4000 was conducted during all work activities. Time-weighted Average values ranged between 2.4 and 19.5 micrograms per meter cubed which is below the site specific action level of 3,000 micrograms per meter. Two (one upwind and one downwind) air samples were collected on May 30, 2014 and analyzed for PCBs. Both samples were non-detect.

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

2.1.4 Progress Metrics

Date	Waste Stream	Medium	Quantity (tons)	Manifest Number	Treatment	Disposal
6/2/2014	PCB Contaminated	Soil	24.35	13274707NA		Wayne Disposal
6/2/2014	PCB Contaminated	Soil	26.93	13274708NA		Wayne Disposal
6/2/2014	PCB Contaminated	Soil	21.55	13274709NA		Wayne Disposal
6/2/2014	PCB Contaminated	Soil	27.2	13274710NA		Wayne Disposal
6/3/2014	PCB Contaminated	Soil	29.14	13274711NA		Wayne Disposal
6/3/2014	PCB Contaminated	Soil	27.11	13274712NA		Wayne Disposal
6/3/2014	PCB Contaminated	Soil	26.23	13274713NA		Wayne Disposal
6/4/2014	PCB Contaminated	Soil	26.17	13274714NA		Wayne Disposal
6/4/2014	PCB Contaminated	Soil	22.44	13274715NA		Wayne Disposal
6/4/2014	PCB Contaminated	Soil	26.21	13274716NA		Wayne Disposal
6/4/2014	PCB Contaminated	Soil	23.9	13274717NA		Wayne Disposal
6/4/2014	PCB Contaminated	Soil	25.73	13274718NA		Wayne Disposal
6/5/2014	PCB Contaminated	Soil	27.91	13274698NA		Wayne Disposal
6/5/2014	PCB Contaminated	Soil	25.84	13274697NA		Wayne Disposal
6/5/2014	PCB Contaminated	Soil	27.52	13274696NA		Wayne Disposal
6/6/2014	PCB Contaminated	Soil	25	13274699NA		Wayne Disposal
6/6/2014	PCB Contaminated	Soil	25	13274700NA		Wayne Disposal
6/6/2014	PCB Contaminated	Soil	25	13274701NA		Wayne Disposal
6/6/2014	PCB Contaminated	Soil	25	13274702NA		Wayne Disposal

Note: Quantity on 6/6/14 are estimates

2.2 Planning Section

2.2.1 Anticipated Activities

Continue to remove PCB-contaminated soils from impacted properties.

2.2.1.1 Planned Response Activities

N/A

2.2.1.2 Next Steps

Complete time-critical removal.

2.2.2 Issues

N/A

2.3 Logistics Section

N/A

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

2.5.1 Safety Officer

Each agency/contractor will provide their own site supervisor, but all groups will conduct the activities under 1 approved U.S. EPA Site Safety Plan. Considerations will include hazardous levels of PCBs, heavy equipment safety, and hazardous road work.

2.5.2 Liaison Officer

On-Scene Coordinator

2.5.3 Information Officer

On-scene Coordinator

3. Participating Entities

3.1 Unified Command

N/A

3.2 Cooperating Agencies

City of St. Clair Shores

Michigan Department of Environmental Quality

4. Personnel On Site

U.S. EPA (1)

START – Tetra Tech (1)

ERRS – Environmental Restoration (5)

5. Definition of Terms

EPA - Environmental Protection Agency

ERRS - Emergency and Rapid Response Services

PCBs- Polychlorinated Biphenyls

START - Superfund Technical Response and Assessment Team

NCP - National Oil and Hazardous Substances Pollution Contingency Plan

MDEQ - Michigan Department of Environmental Quality

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

RML - Removal Management Level

6. Additional sources of information

6.1 Internet location of additional information/report

www.epaossc.org/SCSPCB

6.2 Reporting Schedule

Polreps will be sent out weekly or as needed.

7. Situational Reference Materials

NCP

CERCLA

RMLs