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

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region V

Subject: **POLREP #3**
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: 7/11/2014
Reporting Period: 6/23/2014 - 7/11/2014

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:	7/10/2014	**Completion Date:**	7/10/2014
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 consisted 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 was located near the intersection of Harper Avenue and Lakeland Street, St. Clair Shores, Macomb County, Michigan. It's 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.epaosc.org/site/site_profile.aspx?site_id=2082

http://www.epaosc.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 that consisted of the removal of PCB-contaminated soil from a residential yard, residential right-of-ways and one commercial property on May 27, 2014 and completed on July 11, 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 consisted 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

Between June 23, 2014 and July 11, 2014, EPA removed approximately 204 tons (1,504 tons overall for project) of contaminated soil from the site for offsite disposal. Waste was shipped to Woodland Meadows, Wayne, Michigan.

Excavation was complete at the remaining five residential properties at depths ranging from 12 inches to 36 inches. Confirmation samples were collected for all properties to determine excavation depths. Once analytical data was received the properties were backfilled with clean fill. All 10 properties were backfilled and sprinklers were repaired. Restoration, including sod placement and tree planting, was also completed..

Approximately 1,500 yards of backfill was used during removal activities.

Air monitoring continued using a DataRam 4000 during excavation activities. Time-weighted Average values ranged between 5.0 and 35.0 micrograms per meter cubed which is below the site specific action level of 3,000 micrograms per meter.

On July 11, 2014, all personnel and equipment was demobilized from the site.

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	13274707	NA	Wayne Disposal
6/2/2014	PCB Contaminated	Soil	26.93	13274708	NA	Wayne Disposal
6/2/2014	PCB Contaminated	Soil	21.55	13274709	NA	Wayne Disposal
6/2/2014	PCB Contaminated	Soil	27.2	13274710	NA	Wayne Disposal
6/3/2014	PCB Contaminated	Soil	29.14	13274711	NA	Wayne Disposal
6/3/2014	PCB Contaminated	Soil	27.11	13274712	NA	Wayne Disposal
6/3/2014	PCB Contaminated	Soil	26.23	13274713	NA	Wayne Disposal
6/4/2014	PCB Contaminated	Soil	26.17	13274714	NA	Wayne Disposal
6/4/2014	PCB Contaminated	Soil	22.44	13274715	NA	Wayne Disposal
6/4/2014	PCB Contaminated	Soil	26.21	13274716	NA	Wayne Disposal
6/4/2014	PCB Contaminated	Soil	23.9	13274717	NA	Wayne Disposal
6/4/2014	PCB Contaminated	Soil	25.73	13274718	NA	Wayne Disposal
6/5/2014	PCB Contaminated	Soil	27.91	13274698	NA	Wayne Disposal
6/5/2014	PCB Contaminated	Soil	25.84	13274697	NA	Wayne Disposal
6/5/2014	PCB Contaminated	Soil	27.52	13274696	NA	Wayne Disposal
6/6/2014	PCB Contaminated	Soil	23.56	13274699	NA	Wayne Disposal
6/6/2014	PCB Contaminated	Soil	23.92	13274700	NA	Wayne Disposal
6/6/2014	PCB Contaminated	Soil	28.68	13274701	NA	Wayne Disposal
6/6/2014	PCB Contaminated	Soil	25.69	13274702	NA	Wayne Disposal
6/9/2014	PCB Contaminated	Soil	31.08	13274703	NA	Wayne Disposal
6/9/2014	PCB Contaminated	Soil	27.77	13274704	NA	Wayne Disposal
6/9/2014	PCB Contaminated	Soil	25.67	13274705	NA	Wayne Disposal
6/9/2014	PCB Contaminated	Soil	20.35	13274706	NA	Wayne Disposal
6/9/2014	PCB Contaminated	Soil	23.88	13274846	NA	Wayne Disposal
6/10/2014	PCB Contaminated	Soil	20.92	13274847	NA	Wayne Disposal
6/11/2014	PCB Contaminated	Soil	22.96	13274848	NA	Wayne Disposal
6/11/2014	PCB Contaminated	Soil	21.23	13274849	NA	Wayne Disposal
6/11/2014	PCB Contaminated	Soil	24.75	13274850	NA	Wayne Disposal
6/11/2014	PCB Contaminated	Soil	20.51	13274851	NA	Wayne Disposal
6/11/2014	PCB Contaminated	Soil	24.12	13274852	NA	Wayne Disposal
6/12/2014	PCB Contaminated	Soil	25.91	13274853	NA	Wayne Disposal
6/12/2014	PCB Contaminated	Soil	23.68	13274854	NA	Wayne Disposal
6/12/2014	PCB Contaminated	Soil	25.89	13274855	NA	Wayne Disposal
6/12/2014	PCB Contaminated	Soil	23.88	13274856	NA	Wayne Disposal
6/13/2014	PCB Contaminated	Soil	25.49	13274857	NA	Wayne Disposal
6/13/2014	PCB Contaminated	Soil	23.43	13274858	NA	Wayne Disposal
6/13/2014	PCB Contaminated	Soil	23.42	13274859	NA	Wayne Disposal
6/13/2014	PCB Contaminated	Soil	21.41	13274860	NA	Wayne Disposal
6/13/2014	PCB Contaminated	Soil	22.32	13274861	NA	Wayne Disposal
6/13/2014	PCB Contaminated	Soil	18.9	13274862	NA	Wayne Disposal
6/16/2014	PCB Contaminated	Soil	38.43	13274863	NA	Wayne Disposal
6/17/2014	PCB Contaminated	Soil	31.94	13274864	NA	Wayne Disposal
6/17/2014	PCB Contaminated	Soil	29.27	13274865	NA	Wayne Disposal
6/19/2014	Non TSCA - Non Regulated	Soil	17.95	2608518	NA	Woodland Meadows
6/19/2014	Non TSCA - Non Regulated	Soil	19.64	2608519	NA	Woodland Meadows
6/19/2014	Non TSCA - Non Regulated	Soil	20.49	2608520	NA	Woodland Meadows
6/19/2014	Non TSCA - Non Regulated	Soil	19.65	2608521	NA	Woodland Meadows

6/20/2014	Non TSCA - Non Regulated Soil	24.04	2608522	NA	Woodland Meadows
6/20/2014	Non TSCA - Non Regulated Soil	21.32	2608523	NA	Woodland Meadows
6/20/2014	Non TSCA - Non Regulated Soil	20.2	2608524	NA	Woodland Meadows
6/20/2014	Non TSCA - Non Regulated Soil	22.34	2608525	NA	Woodland Meadows
6/20/2014	Non TSCA - Non Regulated Soil	26.78	2608526	NA	Woodland Meadows
6/20/2014	Non TSCA - Non Regulated Soil	19.95	2608527	NA	Woodland Meadows
6/23/2014	Non TSCA - Non Regulated Soil	23.37	2608528	NA	Woodland Meadows
6/23/2014	Non TSCA - Non Regulated Soil	18.65	2608529	NA	Woodland Meadows
6/24/2014	Non TSCA - Non Regulated Soil	19.66	2608530	NA	Woodland Meadows
6/24/2014	Non TSCA - Non Regulated Soil	16.48	2608531	NA	Woodland Meadows
6/24/2014	Non TSCA - Non Regulated Soil	22.21	2608532	NA	Woodland Meadows
6/25/2014	Non TSCA - Non Regulated Soil	15.9	2608533	NA	Woodland Meadows
6/25/2014	Non TSCA - Non Regulated Soil	15.62	2608534	NA	Woodland Meadows
6/25/2014	Non TSCA - Non Regulated Soil	18.25	2608535	NA	Woodland Meadows
6/26/2014	Non TSCA - Non Regulated Soil	22.83	2608536	NA	Woodland Meadows
6/26/2014	Non TSCA - Non Regulated Soil	21.05	2608537	NA	Woodland Meadows
6/27/2014	Non TSCA - Non Regulated Soil	9.85	2608538	NA	Woodland Meadows

Regional Metrics		
This is an Integrated River Assessment. The numbers should overlap.	Miles of river systems cleaned and/or restored	
	Cubic yards of contaminated sediments removed and/or capped	
	Gallons of oil/water recovered	
	Acres of soil/sediment cleaned up in floodplains and riverbanks	
Stand Alone Assessment	Number of contaminated residential yards cleaned up	10
	Number of workers on site	7
Contaminant(s) of Concern	PCBs	
Oil response Tracking		
Estimated volume	Initial amount released	N/A
	Final amount collected	N/A
CANAPS Info	FPN Ceiling Amount	N/A
	FPN Number	N/A
	Body of Water affected	N/A
Administrative and Logistical Factors (Check X where applicable)		
Precedent-Setting HQ Consultations (e.g., fracking, asbestos)	X 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
UAO	X NPL site	Relocation
DOJ involved	Remote location	Drinking water impacted
Criminal Investigation Division involved	Extreme weather or abnormal field season	Environmental justice
Tribal consultation or coordination or other issues	Congressional involvement	High media interest
Statutory Exemption for $2 Million	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)**

2.2 Planning Section

2.2.1 Anticipated Activities
None

2.2.1.1 Planned Response Activities
N/A

2.2.1.2 Next Steps
None

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 provided their own site supervisor, but all groups conducted the activities under 1 approved U.S. EPA Site Safety Plan. Considerations included 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
Michigan Department of Community Health
Macomb County

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.epaosc.org/SCSPCB

6.2 Reporting Schedule
No additional reporting is expected.

7. Situational Reference Materials

NCP
CERCLA
RMLs