

United States Environmental Protection Agency
Region V
POLLUTION REPORT

Date: Wednesday, August 9, 2006

From: Jeffrey Kimble

To: Ken Podolski, St Clair Shores Joe Walczak, MDEQ
Tony Martig, US EPA

Subject: St Clair Shores Drain
St Clair Shores, MI
Latitude: 42.4867000
Longitude: -82.8989000

POLREP No.:	7	Site #:	B5BP
Reporting Period:		D.O. #:	0062
Start Date:	5/15/2006	Response Authority:	CERCLA
Mob Date:	5/15/2006	Response Type:	Time-Critical
Demob Date:		NPL Status:	Non NPL
Completion Date:		Incident Category:	Removal Action
CERCLIS ID #:		Contract #	68-S5-03-06
RCRIS ID #:			

Site Description

The St Clair Shores PCB Drain Site is located in St Clair Shores, Michigan. The site encompasses a several block area where polychlorinated biphenyls have been documented to be present in significant quantities in an underground utility corridor. The PCBs constitute a potential threat to the environment. The storm sewer is approximately 15 feet underground. The PCBs are migrating into the storm sewer which empties into two canals connected to Lake St Clair.

US EPA has initiated a time-critical removal action to trap the PBCs in place and to also remove PCB-contaminated soils from several surface locations identified by the Michigan Department of Environmental Quality.

See Polrep 1 for further details.

Current Activities

- On Saturday, July 22, 2006 and Sunday, July 23, 2006 no work activities occurred at Site.
- On Monday, July 24, 2006, work crews installed a 15-inch cured in place pipe (CIPP) in the drain that lies on Bon Brae (starts at a car wash), east of Harper, and videotaped the lines into which the crews had placed the CIPP on Friday, July 21st 2006.
- On Tuesday, July 25, 2006, work crews attempted to install the plugs beyond the southern end of the 48-inch sewer line and beyond the eastern end of the 66-inch sewer line in order to dewater and remove sediments from the lines prior to additional CIPP installation. However, there were problems accessing the 66-inch drain opening and there was the potential for heavy rain, so the work crew was unable to complete this task. Crews also decontaminated the excavation equipment used for soil excavations.
- On Wednesday, July 26, 2006, a subcontractor was on site to hydro-seed all the excavation areas from the surface PCB cleanup activities. The work crews installed plugs in the 48-inch sewer line on Harper and dewatered the line. The crew also installed a CIPP in the drain stretching from Bon Brae to Bon Brae across Harper Avenue and enlarged the opening of the manholes leading to the 66-inch line on Bon Brae, east of Harper.
- On Thursday, July 27, 2006, START and ERRS delivered notices to residents on Bon Brae, Bon Heur (between Little Mack and Jefferson), and Lakeland (between Harper and Jefferson), regarding the presence of rust-colored water in the area due to the draw down of water from the main water lines as a result of the CIPP installation. The work crew installed a section of CIPP in the 48-inch storm sewer line that extends south from the corner of Bon Brae and Harper to the manhole located approximately 150 yards south of the corner of Bon Brae and Harper. The crew also cut entry points into the liner that extends from the corner of Bon Brae and Harper to the car wash parking lot.
- On Friday, July 28th 2006, the work crew completed cutting activities on the ends of the already installed CIPP in preparation for manhole re-habilitation. The crew then jet cleaned and videotaped the 66-inch line.

- On Saturday, July 29 and Sunday, July 30, 2006 no work activities occurred.
- On Monday, July 31, 2006, EPA crews decontaminated the vacuum truck used to remove water and sediment from the drain lines. The truck was wipe sampled for PCBs to ensure that it was ok to return to the drain contractor.
- On Tuesday, August 1, 2006, subcontractor work crews began the installation of the last section of 48" CIPP to be done. Sediment removed from the drain lines was transported to the staging area and mixed with soils at the staging area to solidify. Lawns that were previously hydro seeded are being watered daily.
- On Wednesday, August 2, 2006 Clayton lab reported sample data from the wipe samples on the vacuum truck. The results were below state criteria for PCB contamination. The vacuum truck was released to the subcontractor. Crews have completed the installing, curing, and cooling down of the 48" CIPP. Other crew's onsite are preparing the staging area for the removal of the high level PCB waste-stream.
- On Thursday, August 3, 2006, the hydro seeding company is onsite to do a second round of hydro seeding due to the heavy rains received in the last few days. EPA crews assisted the hydro seeders. The subcontractor is preparing to install the CIPP in the one section of 66" drain affected by this project. The line was dewatered and the installation of the liner began. Data from the transducers in monitoring wells was downloaded. The data shows minimal fluctuation in the water level over the time the units have been in the monitoring wells
- On Friday, August 4th 2006, subcontractor crews starting to cure the liner in the 66" drain line at 0200. The cool down of the liner was started at 0730. Hydro seeders continue to seed yards and crews continue to water yards that have been previously seeded.

Planned Removal Actions

- EPA will complete disposition of wastes. Due to scheduling with the disposal facility, EPA anticipates 2 loads of high-level PCB waste material to be shipped on August 10th, 2006, and the remaining 3 loads on August 14th, 2006.
- Transducers (Mini-trolls) will be monitored to observe flow and temperature during the work in the drains. This work will continue for several weeks after CIPP installation is complete.
- EPA crews will continue to water the re-seeded areas until the grass is established. After the grass is well established, the residents will need to maintain their property.

Next Steps

- Complete disposal and re-habilitate manholes.
- Document remaining issues once this time-critical removal is complete.
- Continue to monitor the water flow using the transducers.

Key Issues

- ***** ERRS costs below include awaits for CIPP installation and other costs.

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