United States Environmental Protection Agency
Region V
POLLUTION REPORT

Date: Friday, September 28, 2007
From: James Augustyn/Brian Schlieger

Subject: Tittabawassee River Project - Reach D
Tittabawassee River Dioxin-Reach D
Midland, MI
Latitude: 43.6011000
Longitude: -84.2386000

POLREP No.:	10	**Site #:**	B5KF
Reporting Period:	9-19-07 thru 9-24-07	**D.O. #:**	
Start Date:	7/9/2007	**Response Authority:**	CERCLA
Mob Date:	7/9/2007	**Response Type:**	Time-Critical
Demob Date:		**NPL Status:**	Non NPL
Completion Date:		**Incident Category:**	Removal Action
CERCLIS ID #:	MID980994354	**Contract #**	
RCRIS ID #:			

Site Description

On July 9, 2007, Dow's contractor began positioning equipment on a work barge to begin the preparation of driving temporary sheet piling in the river to delineate the area of highest dioxin contamination. Dow's contractor has completed construction on the HDPE sediment transport pipeline and has conducted hydrostatic testing of the line. The sediment transport line is approximately 9,000 feet long and will transport sediment slurry from the dredge area in the river to the Geo-Tube dewatering cell.

On-Scene Coordinator (OSC) Jim Augustyn is providing oversight with assistance from U.S. EPA's START Contractor, Weston Solutions, Inc.

Current Activities

The following activities have been completed by Dow's contractors during the period of Sept 19th through Sept 24th, 2007. Routine tasks such as dredging and raking of debris within contained turbidity barrier, stockpiling and dewatering of sediment by land based excavator in Northeast perimeter of the Reach D project area, dredge line, booster pump operation, the monitoring of polymer addition for the Geo Tubes within Reach D containment cell, air monitoring, turbidity data collection from both upstream and downstream turbidity monitors and 24-hour composite water sampling from the settling pond for total suspended solids (TSS) analysis are performed daily. To view an aerial photo that depicts current site progress, please visit the Document Section of this website and open the document titled "Reach D Project Progress Figure".

Wednesday Sept 19th, Dow's contractors continued driving of permanent sheet piling between both Dow bridges in addition to the setting and driving of permanent sheet piling underneath the downstream 'railroad' bridge. Contractors began the extraction of historic flume sheet piling and the driving of temporary sheet piling immediately North of the Dow dam and South of the 36" water main. Contractors collected the 13th 24-hour composite sample for TSS analysis. The 24 hour discharge volume for 9/18/07 to 9/19/07 was 743,989 gallons.

Thursday Sept 20th, Activities remained the same as Sept 19th. Contractors collected the 14th 24-hour composite for TSS analysis. The 24 hour discharge volume for 9/19/07 to 9/20/07 was 953,335 gallons.

Friday Sept 21st, Dow contractors conducted a quality control (QC) survey of dredged areas to date and completed the extraction of the historic flume sheet piling from the southernmost temporary wall to within 10 feet of the 36" water main. Contractors continued the driving of permanent sheet piling between both Dow bridges, the setting and driving of the temporary turbidity barrier downstream of the 36" water main and the installation of permanent sheet piling underneath the downstream 'railroad' bridge. Contractors collected the 15th 24-hour composite sample for TSS analysis. The 24 hour discharge volume for 9/20/07 to 9/21/07 was 1,014,443 gallons.

Saturday Sept 22nd, Dow contractors continued conducting a QC survey to determine areas that need additional excavation efforts, finished the setting of the temporary turbidity barrier sheet piling to within five feet of the 36" water main and continued the installation of permanent sheeting underneath the 'railroad' bridge. Contractors collected the 16th 24-hour composite sample for TSS analysis. The 24 hour discharge volume for 9/21/07 to 9/22/07 was 924,528 gallons.

Monday Sept 24th, Dow contractors continued conducting QC surveys to determine areas that need additional excavation efforts, completed the driving of permanent and temporary sheet piling between both Dow bridges and the driving of the permanent sheet piling underneath the 'railroad' bridge to elevated grade. Contractors completed driving the temporary turbidity barrier sheet piling downstream of the 36" water main to elevated grade. Contractors collected the eighteenth 24-hour composite sample for TSS analysis. The seventeenth sample was collected on 9/23/07. The 24 hour discharge volume for 9/22/07 to 9/23/07 was 994,271 gallons. The 24 hour volume for 9/23/07 to 9/24/07 was 122,545 gallons

Planned Removal Actions

Sheet piling will be set and driven down to established elevations to complete the installation the turbidity barrier south of the downstream 'railroad' bridge, and North of the Dow dam

Installation of permanent sheet piling will continue along the RGIS System downstream of the 'railroad' bridge, and North of the Dow dam

Next Steps

Dow's contractors will continue setting and driving the temporary sheet piling turbidity barrier to complete containment in the removal area.

The installation of two sections of gunderboom particulate containment system (PCS) 'Turbidity Curtain' over a 30" and 36" underwater pipeline to complete temporary turbidity barrier south of downstream 'railroad bridge'.

Disposition of Wastes

To date, approximately 305 pieces (average length 10 to 12 feet) of historic flume piling have been extracted from the Reach D project area. The flume piling will be decontaminated and processed for metal reclamation.

Waste consisted of Reach D rip-rap and misc. debris near the RGIS system. A total of 220 loads, estimated at 12 cubic yards per load total volume 2,881 estimated cubic yards were transported to Dow' Salzburg Road Landfill.

7-31-07, 34 loads
8-01-07, 35 loads
8-02-07, 39 loads
8-03-07, 24 loads
8-04-07, 11 loads
9-07-07, 04 loads
9-08-07, 07 loads
9-17-07, 17 loads
9-18-07, 16 loads
9-19-07, 15 loads
9-20-07, 23 loads
9-24-07, 15 loads

From 9-06-07 to 9-24-07 Reach D sediment dewatering activities have conveyed 12,755,146 gallons of water to Dow's waste water treatment plant (WWTP).

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