

**United States Environmental Protection Agency
EPA New England
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May 20, 2005

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D. Mauro, META Environmental, Inc.
R. Nasman, The Berkshire Gas Company
Mayor Ruberto, City of Pittsfield
Commissioner of Public Works and Utilities, City of Pittsfield
Public Information Repositories

RE: April 2005 Monthly Report
1.5 Mile Reach Removal Action
GE-Pittsfield/Housatonic River Site

Enclosed please find the April 2005 Monthly Report for the 1.5 Mile Reach Removal Action. In accordance with the Consent Decree for the GE-Pittsfield/Housatonic River Site, the United States Environmental Protection Agency (EPA) is performing the 1.5 Mile Reach Removal Action, with General Electric funding a portion of the project through a cost sharing formula.

The EPA has entered into an agreement with the United States Army Corps of Engineers (USACE) to assist in the design and construction of the Removal Action. The USACE subsequently awarded a design-construct contract to Weston Solutions, Inc. (Weston). Weston, with several subcontractors, will be performing the design and construction activities for the 1.5 Mile Reach Removal Action.

If you have any questions, please contact me at (413) 236-0969.

Sincerely,



Dean Tagliaferro
1.5 Mile Reach Removal Action Project Manager

1. Overview

During April 2005, the Environmental Protection Agency (EPA), the United States Army Corps of Engineers (USACE), the USACE's contractor, Weston Solutions, Inc., and Weston's subcontractors continued remediation activities on the 1.5 Mile Reach Removal Action. The primary work included the installation of the sheetpile walls for Cells 25, 25A and 26 and the installation of the centerline sheetpile wall for Cells 27 and 28. Excavation and backfill activities were completed in Cells 25 and 25A and excavation activities in Cell 26 were initiated. In addition, transfer of TSCA materials from the stockpile management areas to the GE On Plant Consolidation Areas (OPCAs) was performed. Also, transfer of non-TSCA materials from the stockpile management areas to approved off-site facility continued.

2. Chronological description of tasks performed

Refer to Figure 1 (2 maps) for an orientation of the excavation cells and their respective locations.

By the end of March 2005, activities associated with the installation of the centerline sheetpile wall between Cells 25 and 26 were initiated. During the first week of April, installation of the centerline sheetpile wall between Cells 25 and 26 was completed and the installation of centerline sheetpile between Cells 27 and 28 was initiated.

Activities associated with the set up of the water treatment system (WTS) at the Fred Garner Park continued. The set up of the WTS piping and the electrical components continued.

Tree clearing and grubbing activities on Parcels I7-2-1 and I7-2-20 (the location of the access road and staging/support areas for Phase 3B) was initiated.

Other activities during the first week of April included the removal of the old WTS pad material on Parcel I8-23-6. Some of the WTS pad material was removed and transported to the GE Lyman Street staging area for future reuse as access road/staging area material. Additional material was removed and stockpiled on Parcel I8-23-6. In addition, removal of some of the staging area material on Parcel I8-24-1 was initiated. The staging area dense grade/airport mix material was removed and either transported to the GE Lyman Street staging area for future reuse as access road/staging area material or stockpiled on Parcel I8-24-1.

On April 3, 2005, heavy rains combined with snow melt caused a high flow event. River flows reached 2,910 cubic feet per second (cfs). The high river flows caused flooding on numerous properties between Dawes Avenue Bridge on the confluence of the East and the West branches of the Housatonic River.

During the second week of April, activities associated with the set up of the WTS at the Fred Garner Park were completed and the WTS became operational.

The installation of the Cell 25 downstream and upstream sheetpile cutoff walls was completed. During the installation of the downstream cutoff wall, the high river flows caused riverbank erosion. Four additional pairs of sheetpile were installed to avoid any further erosion. Also, due to an obstruction in the riverbed, the upstream cutoff wall was not driven to the design embedment depth. Therefore a second upstream cutoff wall was installed approximately twelve feet upstream of the first wall. The second wall was installed to the design embedment depth.

Once Cell 25 was isolated, the dewatering activities were initiated by pumping water greater than 6-inches in depth directly back to the river. Once the water depth reached 6-inches, it was pumped to the WTS. Sumps and swales were installed to help in the dewatering process. Once the dewatering was completed, the survey contractor completed the delineation of non-TSCA and TSCA excavation areas in Cell 25 and the excavation activities in Cell 25 were initiated. The excavated TSCA material was transported to Building 63 stockpile management area. The non-TSCA material not characterized for off-site disposal was transported to Area 64D stockpile management areas. (See Table 1 for quantities of material generated in the month of April 2005 and Table 2 for quantities of material generated to date.)

EPA determined it would be beneficial to remediate and restore a small section of the floodplain adjacent to the top of riverbank where GE anticipates performing subsequent remediation on residential floodplains. This will provide a buffer and should prevent GE's subsequent remediation activities from disturbing the restored riverbank and riprap. This additional remediation will extend from several feet beyond the top of the riverbank. EPA's contractors will perform these activities. The excavated material will not be counted towards EPA's capacity allowance at the OPCAs. The total amount of material excavated from Cell 25 in the "GE floodplain area" was 877 cy.

The surveyors monitored the excavation activities in Cell 25 to ensure appropriate design excavation depths were achieved.

The survey contractors continued to delineate and stake out the centerline of the river channel in Cells 27 and 28 and the installation of the centerline sheetpile wall between Cells 27 and 28 continued.

Tree clearing and grubbing activities on Parcels I7-2-1 and I7-2-20 (the location of the access road and staging/support areas for Phase 3B) continued.

Also during the second week of April, the removal of the old WTS pad material on Parcel I8-23-6 continued. Some of the WTS pad material was removed and transported to the GE Lyman Street staging area for future reuse as access road/staging area material. Additional material was removed and stockpiled on Parcel I8-23-6. In addition, removal of some of the staging area material on Parcel I8-24-1 continued. The staging area dense grade/airport mix material was removed and either transported to the GE Lyman Street staging area for future reuse as access road/staging area material or stockpiled on Parcel I8-24-1.

During the third week of April, the excavation activities in Cell 25 were completed. The excavated TSCA material was transported to Area 64A stockpile management area. The non-TSCA riverbank material not characterized for off-site disposal was transported to Area 64D and

Area 64C stockpile management areas. The surveyors monitored the excavation activities in Cell 25 to ensure appropriate design excavation depths were achieved. Once the excavation activities were completed, the final excavation verification survey was performed in Cell 25 and staking out of the backfill grades was initiated.

Due to the reshaping of the riverbank in Cell 25, the upstream riverbank of Cell 28 became susceptible to erosion. It was decided that to avoid any potential erosion of the Cell 28 riverbank during potential high river flows, it would be beneficial to complete the excavation of the upstream end of Cell 28 concurrent with the Cell 25 excavation. A sheetpile cutoff wall was installed 100-feet downstream of the downstream cutoff wall of Cell 25. This additional cutoff wall created a 100-foot cell designated as Cell 25A. Once the cutoff wall was installed, the dewatering activities in Cell 25A were initiated by pumping water greater than 6-inches in depth directly back to the river. Once the water depth reached 6-inches it was pumped to the WTS. Sumps and swales were installed to help in the dewatering process.

Similar to Cell 25, a small section of the floodplain in Cell 25A adjacent to the top of riverbank where GE anticipates performing subsequent remediation on residential floodplains will be remediated and restored by EPA's contractors.

The survey contractor completed the delineation of non-TSCA, TSCA and "GE floodplain" excavation areas in Cell 25A and the excavation activities were initiated. The excavated TSCA material was transported to Area 64A stockpile management area. The non-TSCA material not characterized for off-site disposal was transported to Area 64D and Area 64C stockpile management areas.

Backfilling activities in Cell 25 were initiated while Cell 25A excavation activities were ongoing. The riverbed and riverbank of Cell 25 will be backfilled in the following manner: The first 100 feet of the riverbed will be backfilled with a layer of common fill to bring the riverbed to grade, followed by a ten inch layer of filter material Type I, and a minimum of fifteen inch layer of 9-inch riprap. The first 100 feet of the riverbank will be backfilled with common fill to bring the riverbed to grade, a ten-inch layer of filter material Type I and a twenty four-inch layer of 18-inch riprap up to the top of the riverbank, which is at approximately elevation 967 feet above mean sea level (AMSL). The last 250 feet of the riverbed will be backfilled with a layer of common fill to bring the riverbed to grade, followed by a nine inch layer of filter material Type II, and a minimum of eighteen inch layer of 12-inch riprap. The last 200 feet of the riverbank will be backfilled with common fill to bring the riverbed to grade, a nine-inch layer of filter material Type II and a twenty four-inch layer of 18-inch riprap up to the top of the riverbank, which is at approximately elevation 967 feet AMSL.

The riverbank above elevation 967 feet AMSL (which is "GE floodplain area") will be backfilled with the following: Common fill will be installed in twelve inch horizontal lifts and compacted to meet the 95% compaction requirement. Topsoil will not be placed in this area at this time since it is likely to be disturbed when GE performs the floodplain remediation. As part of backfill activities, a layer of geotextile fabric will be placed at the limit of remediation in the "GE floodplain area" to demarcate restored area from the un-remediated floodplain.

The surveyors monitored the excavation activities in Cell 25A to ensure appropriate design excavation depths were achieved as well as the backfilling activities in Cell 25 to ensure appropriate design backfill grades were achieved.

The installation of the centerline sheetpile wall between Cells 27 and 28 continued.

Other activities during the third week of April included tree clearing and grubbing activities on Parcels I7-2-1, and Parcel I7-2-20. Also, a post 1,500 cfs flow inspection was completed on the riverbanks throughout Phase 1 to Phase 3A. The riverbanks were inspected to ensure that the April 3, 2005 flood did not cause damage to the restored riverbanks. Minimal erosion, which was primarily caused by over land flow was observed.

During the fourth week of April, the backfilling activities in Cell 25 were completed in accordance with backfill configurations described above. Once the backfilling was completed the survey contractor completed the final restoration survey and both of the upstream cutoff walls of Cell 25 were removed and Cell 25 was flooded.

Excavation activities in Cell 25A were completed. The excavated TSCA material was transported to Area 64A and Area 64B north stockpile management area. The surveyors monitored the excavation activities in Cell 25A to ensure appropriate design excavation depths were achieved. The total amount of material excavated from Cell 25A in the "GE floodplain area" was 261 cy. Once the excavation activities were completed, the final excavation verification survey was performed in Cell 25A. Staking out of the backfill grades was completed and backfilling of Cell 25A was completed as well. The riverbed will be backfilled with a layer of common fill to bring the riverbed to grade, followed by a nine inch layer of filter material Type II, and a minimum of eighteen inch layer of 12-inch riprap. The riverbank will be backfilled with common fill to bring the riverbed to grade, a nine-inch layer of filter material Type II and a twenty four-inch layer of 18-inch riprap up to the top of the riverbank, which is at approximately elevation 967 feet AMSL.

The riverbank above 967 feet (which is "GE floodplain area") will be backfilled with the following: Common fill will be installed in twelve inch horizontal lifts and compacted to meet the 95% compaction requirement. Topsoil will not be placed in this area at this time since it is likely to be disturbed when GE performs the floodplain remediation. Similar to Cell 25, as part of backfill activities, a layer of geotextile fabric will be placed at the limit of remediation in the "GE floodplain area" to demarcate restored area from the un-remediated floodplain.

Once the backfilling was completed, the survey contractor completed the final restoration survey. Both the upstream and downstream cutoff walls of Cell 25A were removed and Cell 25A was flooded. To minimize erosion along the Cell 28 riverbank (adjacent to Cell 25A), approximately 15 to 20 feet of the riverbank above the water line in Cell 28 immediately downstream of Cell 25A was excavated to match the finish grade of Cell 25A. The excavated non-TSCA riverbank material pre-characterized for off-site disposal was transported to Area 64B north stockpile management area. The excavated riverbank was covered with reinforced poly liner and temporary erosion control riprap.

The installation of the centerline sheetpile wall between Cells 27 and 28 continued.

Other activities during the fourth week of April included the construction of the access road and staging/support areas on Parcels I7-2-1 and I7-2-20. The road and the staging area were built by using geotextile filter stone and dense grade/airport mix material. Also, tree and brush debris from the tree clearing on Parcels I7-2-1 and I7-2-20 was moved to GE Newell Street parking lot for future chipping.

Also, repair work to the articulated concrete blocks (ACB) installed in Phase 2 was initiated. Individual ACB required replacing due to damage causes by heavy construction equipment driving over the ACB. The ACB was accessed by adding stop logs to the temporary dam to block the river flow. The stop logs were then removed at the end of each working day opening up the river channel. In addition, a layer of topsoil, herbaceous seed mix was installed to the top of the west riverbank in Cells 18 and 19. This area used as access/staging areas during the Phase 2 construction activities.

During the last week of April, the installation of the Cell 26 downstream and upstream sheetpile cutoff walls was completed. Once Cell 26 was isolated, dewatering activities were initiated by pumping water greater than 6-inches in depth directly back to the river. Once the water depth reached 6-inches, it was pumped to the WTS. Sumps and swales were installed to help in the dewatering process.

A small section of the floodplain in Cell 26 adjacent to the top of riverbank where GE anticipates performing subsequent remediation on residential floodplains will be remediated and restored by EPA's contractors.

Once the dewatering was completed, the survey contractor completed the delineation of non-TSCA, TSCA and "GE Floodplain" excavation areas in Cell 26 and the excavation activities in Cell 26 were initiated. The excavated TSCA material was transported to Building 63 stockpile management area. The non-TSCA material not characterized for off-site disposal was transported to Building 65 and the non-TSCA riverbank material pre-characterized for off-site disposal was transported to Area 64B north stockpile management areas.

The surveyors monitored the excavation activities in Cell 26 to ensure appropriate design excavation depths were achieved.

Other activities during the last week of April included the construction of the access road and staging/support areas on Parcels I7-2-1 and I7-2-20. Also, tree and brush debris from the tree clearing on Parcels I7-2-1 and I7-2-20 was moved to GE Newell Street parking lot for future chipping. The decontamination of the bin blocks that were used during the rebuilding of the Elm Street Energy dissipater was completed.

During the month of April, the water treatment system operations were initiated. The WTS treated water from Cells 25, 25A and 26. Sampling of the water treatment system for parameters included in the NPDES exclusion permit was performed on April 7, 2005, April 9, 2005, April 11, 2005, April 13, 2005, April 20, 2005 and April 27, 2005. Air monitoring for particulate matter (PM10 sampling) and surface water turbidity monitoring were performed on a daily basis during the month of April. Surface water sampling for total suspended solids (TSS) and PCBs was performed on April 13, 2005 and April 26, 2005. The monthly PCB air-monitoring event

was performed on April 29, 2005. PCB wipe samples were collected on decontaminated equipment. On April 15, 2005, April 20, 2005 and April 29, 2005, eight eight-point composite post excavation off-site disposal characterization samples were collected from the riverbed and riverbank materials excavated from Cells 25 and 25A (stockpiled in Area 64D south, Area 64C north and south and Building 65). In addition, topsoil sample collected was collected on April 14, 2005 and common fill samples were collected on April 21, 2005

Geotechnical samples were collected for topsoil and common fill. The results of the geotechnical testing are not included in the monthly report but are contained in other submittals and are available upon request.

The transfer of TSCA materials from the Area 64A, Building 65 and Building 63 stockpile management areas to the Building 71 OPCA was performed on April 20, 2005 to April 22, 2005. (See Table 3 for a summary of material transported to the OPCAs during the month of April 2005 and Table 4 for a summary of material transported to the OPCAs for the project through April 2005.)

The non-TSCA materials from the Area 64C north and Area 64D south stockpile management areas were transported to the Seneca Meadows Landfill, Waterloo, N.Y. from April 26, 2005 to April 29, 2005. (See Table 5 for a summary of material transported to the Seneca Meadows Landfill, Waterloo, N.Y. during the month of April 2005).

Vibration monitoring activities were completed in Phase 3B on structures located within 200-foot radius of the activities associated with sheetpile installation. Also, sound/noise monitoring was completed during the sheetpile installation activities.

Stockpile management area activities continued throughout the month of March. Daily inspections, operation, and maintenance activities were performed within Buildings 63, 65, Area 64 (the outside stockpile area) and Building 68.

Traffic control was conducted on Lyman Street, Elm Street, Deming Street, Appleton Avenue and Pomeroy Avenue during the month of April.

3. Sampling/test results received

Table 6 contains a summary of the PCB samples collected for the water treatment system sampling program on April 7, 2005, April 9, 2005, April 11, 2005, April 13, 2005, April 20, 2005 and April 27, 2005. Table 6a contains the non-PCB water treatment system sample results collected on April 07, 2005. The results of the daily particulate air monitoring program are summarized in Table 7. Results for the daily noise monitoring are provided in Table 8. Table 9 is a summary of daily turbidity monitoring results. Results for PCB and TSS samples and water column monitoring data collected on April 13, 2005 and April 26, 2005 are presented in Table 10. Summary of the PCB air sampling conducted on March 31, 2005 and April 29, 2005 are provided in Table 11, however the analytical data for samples collected on April 29, 2005 is not

yet available. Table 12 contains data associated with PCB wipe samples collected on decontaminated equipment. Post-excavation off-site disposal characterization sample results for the riverbed and riverbank materials excavated from Cells 25 and 25A (stockpiled in Area 64D south, Area 64C north and south and Building 65) collected on April 15, 2005, April 20, 2005 and April 29, 2005 are summarized in Table 13. The results for the topsoil samples collected on April 14, 2005 and common fill samples collected on April 21, 2005 are presented in Table 14.

4. Diagrams associated with the tasks performed

Figure 1 (2 maps) includes the layout of all excavation cells, the temporary dam, water monitoring locations, air sampling locations, access road locations, excavation load-out locations, staging area locations, fence line location, and the new and the old water treatment system pad locations.

5. Reports received and prepared

Weston received a vibration monitoring summary report for the period of March 23, 2005 to March 31, 2005 from Vibra-Tech, Inc. During this period, six seismographs were set up in Phase 3B to monitor structures on several properties within a 200-foot radius of the sheetpile installation activities. The following properties were monitored: Parcels I7-2-22, I7-2-23, I7-2-24, I7-2-25, I7-2-26, I7-2-27, I7-2-32, and I7-2-44. All units were set up to collect data on the continuous seismic mode. Activities occurring near the monitoring locations during this period included normal background activities, the installation of sheetpile walls, and general construction activities. All of the ground vibrations measured were less than the action level in the project specifications of 1.0 PPV (for structures with concrete foundations), except for two exceedances on Parcel I7-2-24 and one exceedance on Parcel I7-2-27. The two exceedances on Parcel I7-2-24 were both single/discrete readings which occurred at the very end of the work day (PPV of 2.6 on March 29, 2005 and PPV of 3.1 on March 31, 2005) and at the end of the monitoring record, which indicates that the exceedances were most likely caused by the operator deactivation/checking the monitoring unit. The exceedance on Parcel I7-2-27 on (PPV of 5.1 on March 28, 2005) was also a single/discrete reading which occurred within the first minute of the monitoring period, and was most likely caused by internal electronic interference of the seismograph, or by the operator checking the monitoring unit. Also, during the same period when the exceedance occurred on Parcel I7-2-27 a seismograph was set up on Parcel I7-2-26, which is adjacent to Parcel I7-2-27. The exceedance on Parcel I7-2-27 did not correspond to any readings on Parcel I7-2-26 monitoring location or any other monitoring location at that time. In summary, the above described elevated readings were most likely due to interferences other than construction activities associated with the 1.5 remediation efforts.

Vibration monitoring activities were performed during the month of April; however a report has not yet been received.

6. Photo documentation of activities performed

See attached photos.

7. Brief description of work to be performed in May 2005

- Complete excavation activities in Cell 26.
- Initiate and complete backfilling activities in Cell 26.
- Remove the upstream and downstream sheetpile cutoff walls for Cell 26.
- Complete the installation of sheetpile walls for Cell 28.
- Initiate and complete excavation activities in Cell 28.
- Initiate backfill activities in Cell 28.
- Continue stockpile management activities at Buildings 63, 65, 68 and Area 64 once the excavation activities resume.
- Continue to transfer non-TSCA materials from the stockpile management areas to approved off-site facility.
- Continue to transfer TSCA materials to the OPCAs.
- Continue the daily air, noise and turbidity monitoring.
- Continue PCB air sampling (once a month), water column sampling (twice a month), water treatment system sampling (once a month) and backfill material sampling (as needed).
- Continue vibration monitoring activities in Phase 3B.

8. ATTACHMENTS TO THIS REPORT

Table 1. Quantity of Bank and Sediment Material Excavated during the Month of April

Table 2. Quantity of Bank and Sediment Material Excavated to Date

Table 3. Quantity of Material Transferred to OPCAs during the Month of April

Table 4. Quantity of Material Transferred to OPCAs to Date

Table 5. Quantity of non-TSCA Material Transferred to Seneca Meadows Landfill, Waterloo, N.Y. during the month of April

Table 6. NPDES PCB Sampling Results for Water Treatment System

Table 6a. NPDES non-PCB Sampling Results for Water Treatment System

Table 7. Daily Air Monitoring Results

Table 8. Daily Noise Monitoring Results

Table 9. Daily Water Column Turbidity Monitoring Results

Table 10. Summary of Turbidity, PCB, and TSS Water Column Monitoring Results

Table 11. PCB Air Sampling Results

Table 12. Equipment Confirmatory Wipe Sample Results

Table 13. Post-Excavation Soil/Sediment Stockpile Characterization Analytical Results

Table 14. Backfill Material Testing Results

Figure 1- 1.5 Mile Removal Action Site Map (2 maps)

Photodocumentation

**Table 1 - Quantity of Bank and Sediment Material Generated During the Month of April
April 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are reported in cubic yards)

Date	Location	Approximate Quantity of Excavated Bank and Sediment Material		
		non-TSCA	TSCA	NAPL impacted
Bank Soil and Sediment				
4/6/2005	Cell 25	30	0	0
4/7/2005	Cell 25	0	460	0
4/8/2005	Cell 25	80	360	0
4/9/2005	Cell 25	340	80	0
4/11/2005	Cell 25	170	110	0
4/12/2005	Cell 25 & 25A	190	50	0
4/13/2005	Cell 25 & 25A	30	150	0
4/14/2005	Cell 25A	30	60	0
4/15/2005	Cell 25A	190	0	0
4/16/2005	Cell 25A	90	20	0
4/19/2005	Cell 25A	0	60	0
4/23/2005	Cell 28	20	0	0
4/27/2005	Cell 26	240	180	0
4/28/2005	Cell 26	240	90	0
4/29/2005	Cell 26	210	170	0
4/30/2005	Cell 26	300	70	0
	Monthly total from bank soil and sediment	2,160	1,860	0

Note:

All quantities are in compacted or "in-place" cubic yards. All loads are estimated at 10cy per truck. Includes 1,138cy of material removed from the "GE Floodplain Area"

**Table 2 - Quantity of Bank and Sediment Material Excavated to Date
April 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity of Bank and Sediment Material Excavated to Date			
Date	Location	non-TSCA	TSCA	NAPL impacted	Total
09/26/02 to 10/02/02	Cell 1A	101	0	53	154
10/02/02 to 10/04/02	Cell 1B	60	0	110	170
10/18/02 to 10/29/02	Cell 2	874	175	0	1,049
11/11/02 to 11/15/02	Cell 3	183	0	200	383
11/18/02 to 11/25/02	Cell 4	2,283	198	0	2,481
12/03/02 to 12/10/02	Cell 5	1,629	369	0	1,998
01/07/03 to 01/15/03	Cell 6	832	658	0	1,490
01/10/03 to 01/29/03	Cell 6A	2,611	68	0	2,679
02/03/03 to 02/10/03	Cell 7&7A	1,114	636	0	1,750
02/20/03 to 02/24/03	Cell 5A	899	0	0	899
02/25/03 to 03/07/03	Cell 8&8A	1,245	90	0	1,335
03/14/03 to 03/18/03	Cell 9	603	307	0	910
03/27/03 to 04/07/03	Cell 10&10A	1,730	133	0	1,863
04/14/03 to 04/16/03	Cell 12	668	1,354	0	2,022
04/30/03 to 05/09/03	Cell 11	1,713	341	10	2,064
05/27/03 to 06/12/03	Cell 11A	957	166	462	1,585
06/25/03 to 07/29/03	Cell 12A	1,656	805	656	3,117
09/04/03 to 10/22/03	Cell 13	3,580	298	1,129	5,007
01/08/04 to 03/24/04	Cell 14&15	4,462	288	257	5,007
05/25/04 to 07/28/04	Cell 16&17	4,409	822	3,191	8,422
07/30/04 to 09/17/04	Cell 18&19	3,741	65	685	4,491
09/28/04 to 10/25/04	Cell 20	948	591	196	1,735
09/28/04 to 10/25/04	Cell 21	525	569	0	1,094
09/28/04 to 10/25/04	Cell 22	1,170	686	0	1,856
11/04/04 to 12/01/04	Cell 23^	1,725	189	0	1,914
11/04/04 to 12/02/05	Cell 24^	1,610	247	0	1,857
04/06/05 to 4/13/05	Cell 25^	858	369	0	1,227
4/12/05 to 04/19/05	Cell 25A^	419	127	0	546
4/27/05 to 4/30/05	Cell 26*	990	510	0	1,500
	Total	43,595	10,061	6,949	60,605

Note:

All quantities determined by pre- and post- excavation surveying.

* - Quantity estimated at 10cy per truck.

^ - Excludes material removed from the "GE Floodplain Area"

**Table 3 - Quantity of Material Transferred to OPCAs During the Month of April
April 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are reported in cubic yards)

		Approximate Quantity Transported to OPCAs	
Date	# of truckloads	Hill 78 (non-TSCA)	Bldg. 71 (TSCA)
Bank Soil and Sediment			
4/20/2005	50	0	550
4/21/2005	54	0	594
4/22/2005	46	0	506
Monthly totals	150	0	1,650

Note:

All quantities are in compacted or "in-place" cubic yards.

(1) Estimated at 11 cy per truck

Includes 104 truck loads on 4/07/05 and 4/08/05 of material removed from the "GE Floodplain Area".

**Table 4 - Quantity of Material Transferred to OPCAs to Date
April 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are reported in cubic yards)

Date	Location	Approximate Quantity Transported to OPCAs	
		Hill 78 (non-TSCA)	Bldg. 71 (TSCA)
Site Preparation Activities			
09/11/02	Building 65 Stockpile Management Area	225	
Bank Soil and Sediment			
12/05/02 to 12/19/02	Stockpile Management Area/Excavation Cells	4,718 (1)	910 (1)
02/11/03 to 02/28/03	Stockpile Management Area/Excavation Cells	5,137 (2)	539 (2)
03/03/03 to 03/14/03	Stockpile Management Area/Excavation Cells	1,749 (2)	1,353 (2)
04/07/03 to 04/18/03	Stockpile Management Area/Excavation Cells	2,710 (3)	1,698 (3)
04/07/03 to 04/18/03	Stockpile Management Area/Cleanup Material	370 (3)	40 (3)
05/12/03 to 05/14/03	Stockpile Management Area/Excavation Cells	1,826 (3)	0
05/12/03 to 05/14/03	Stockpile Management Area/Cleanup Material	220 (3)	0
06/11/03 to 06/12/03	Stockpile Management Area/Excavation Cells	0	704 (3)
06/16/03 to 06/17/03	Stockpile Management Area/Excavation Cells	712 (3)	0
06/16/03 to 06/17/03	Stockpile Management Area/Cleanup Material	146 (3)	0
07/07/03 to 07/11/03	Stockpile Management Area/Excavation Cells	1,188 (3)	748 (3)
09/15/03 to 09/30/03	Stockpile Management Area/Excavation Cells	2,090 (3)	308 (3)
10/28/03 to 10/30/03	Stockpile Management Area/Excavation Cells	1,623 (3)	33 (3)
10/28/03 to 10/30/03	Stockpile Management Area/Cleanup Material	181 (3)	0
11/18/03	Demolition Debris from Parcels I8-10-2 and I8-10-3	200 (4)	0
1/12/04	Stockpile Management Area/Excavation Cells	77 (3)	0
04/28/04 to 4/30/04	Stockpile Management Area	0	825 (3)
05/12/04 to 05/27/04	Stockpile Management Area/Excavation Cells/Outfall Repair on Parcel I8-23-6	1,518 (3)	484 (3)
06/03/04 to 06/22/04	Stockpile Management Area	0	528 (3)
07/06/04 to 07/16/05	Stockpile Management Area	396 (3)	836 (3)
08/11/04 to 08/31/04	Stockpile Management Area	1,045 (3)	0
09/28/04 to 09/30/04	Stockpile Management Area	1,375 (3)	0
10/01/04 to 10/14/04	Stockpile Management Area	352 (3)	1,958 (3)
11/01/04 to 11/15/04	Stockpile Management Area	363 (3)	1,342 (3)
12/02/04 to 12/14/04	Stockpile Management Area	176 (3)	847 (3)
04/20/05 to 04/22/05	Stockpile Management Area *	0	482 (3)
Project Totals		28,238	13,635

Pursuant to the Consent Decree, EPA is allowed to dispose of up to 50,000cy of material into GE OPCAs. Pursuant to August 2004 agreement between EPA and GE, EPA is allowed to dispose an additional 750cy of material into the GE OPCAs to account for a portion of the volume of material generated as part of the removal of the gabion baskets and reno mattresses along Deming Street.

* - Excludes the 104 truck loads (1,168 cy) of the "GE Floodplain Area".

Notes:

All quantities are in compacted or "in-place" cubic yards.

- (1) Estimated at 14cy per truck, loaded with excavator.
- (2) Estimated at 11cy per truck due to loading out frozen material.
- (3) Estimated at 11cy per truck, loaded with front end loader.
- (4) Estimated at 8cy per truck

**Table 5 - Quantity of non-TSCA Material Transported to Seneca Meadows Landfill,
Waterloo, N.Y.
During the Month of April
April 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are reported in tons)

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
04/26/05	0153SM	Cell 25 Area 64DSouth	30.10
04/26/05	0154SM	Cell 25 Area 64DSouth	34.14
04/26/05	0155SM	Cell 25 Area 64DSouth	29.45
04/26/05	0156SM	Cell 25 Area 64DSouth	32.43
04/26/05	0156/0162SM	Cell 25 Area 64DSouth	30.63
04/26/05	0157SM	Cell 25 Area 64DSouth	32.35
04/26/05	0158SM	Cell 25 Area 64DSouth	33.59
04/26/05	0159SM	Cell 25 Area 64DSouth	34.32
04/26/05	0160SM	Cell 25 Area 64DSouth	32.79
04/26/05	0161SM	Cell 25 Area 64DSouth	32.87
04/27/05	0163SM	Cell 25 Area 64DSouth	29.98
04/27/05	0164SM	Cell 25 Area 64DSouth	31.54
04/27/05	0165SM	Cell 25 Area 64DSouth	29.20
04/27/05	0166SM	Cell 25 Area 64DSouth	31.81
04/27/05	0167SM	Cell 25 Area 64DSouth	32.60
04/27/05	0168SM	Cell 25 Area 64DSouth	32.21
04/27/05	0169SM	Cell 25 Area 64DSouth	31.48
04/27/05	0170SM	Cell 25 Area 64DSouth	31.38
04/27/05	0171SM	Cell 25 Area 64DSouth	31.37
04/27/05	0172SM	Cell 25 Area 64DSouth	30.97
04/28/05	0173SM	Cell 25 Area 64DSouth	31.78
04/28/05	0174SM	Cell 25 Area 64DSouth	31.91
04/28/05	0175SM	Cell 25 Area 64DSouth	28.78
04/28/05	0176SM	Cell 25 Area 64DSouth	29.62
04/28/05	0177SM	Cell 25 Area 64DSouth	32.16
04/28/05	0178SM	Cell 25 Area 64DSouth	33.28
04/28/05	0179SM	Cell 25 Area 64DSouth	31.57
04/28/05	0180SM	Cell 25 Area 64CNorth	31.53
04/28/05	0181SM	Cell 25 Area 64CNorth	30.69
04/28/05	0182SM	Cell 25 Area 64CNorth	33.79
04/29/05	0183SM	Cell 25 Area 64CNorth	29.35
04/29/05	0184SM	Cell 25 Area 64CNorth	30.05
04/29/05	0185SM	Cell 25 Area 64CNorth	30.52
04/29/05	0186SM	Cell 25 Area 64CNorth	31.73

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
04/29/05	0187SM	Cell 25 Area 64CNorth	32.00
04/29/05	0188SM	Cell 25 Area 64CNorth	30.82
04/29/05	0189SM	Cell 25 Area 64CNorth	31.74
04/29/05	0190SM	Cell 25 Area 64CNorth	30.60
04/29/05	0191SM	Cell 25 Area 64CNorth	31.51
04/29/05	0192SM	Cell 25 Area 64CNorth	31.47
Total of Material Disposed			1,260.11

(1) Net weights established at the disposal facility

**Table 6- NPDES Sampling Results for Water Treatment System
April 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in part per billion, ppb)

Sample ID	Location	Date Collected	Aroclor 1016, 1221, 1232, & 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-WW000001-0-5A07	Influent	07-Apr-05	ND(0.63)	ND(0.63)	ND(0.63)	5.1	5.1
H2-WW000002-0-5A07	Intermediate	07-Apr-05	ND(0.038)	ND(0.038)	0.080	0.26	0.34
H2-WW000003-0-5A07	Effluent	07-Apr-05	ND(0.013)	ND(0.013)	0.021	0.050	0.071
H2-WW000001-0-5A09	Influent	09-Apr-05	ND(0.065)	ND(0.065)	0.12	0.74	0.86
H2-WW000002-0-5A09	Intermediate	09-Apr-05	ND(0.013)	ND(0.013)	0.031	0.11	0.14
H2-WW000003-0-5A09	Effluent	09-Apr-05	ND(0.013)	ND(0.013)	0.017	0.060	0.077
H2-WW000001-0-5A11	Influent	11-Apr-05	ND(0.13)	ND(0.13)	0.32	1.6	1.9
H2-WW000002-0-5A11	Intermediate	11-Apr-05	ND(0.013)	ND(0.013)	ND(0.013)	0.044	0.044
H2-WW000003-0-5A11	Effluent	11-Apr-05	ND(0.013)	ND(0.013)	ND(0.013)	0.020	0.020
H2-WW000001-0-5A13	Influent	13-Apr-05	ND(1.4)	ND(1.4)	3.3 J	13.0	16.0
H2-WW000002-0-5A13	Intermediate	13-Apr-05	ND(0.13)	ND(0.13)	0.25 J	0.83	1.1
H2-WW000003-0-5A13	Effluent	13-Apr-05	ND(0.026)	ND(0.026)	ND(0.026)	0.14	0.14
H2-WW000001-0-5A20	Influent	20-Apr-05	ND(0.013)	ND(0.013)	0.058	0.12	0.18
H2-WW000002-0-5A20	Intermediate	20-Apr-05	ND(0.039)	ND(0.039)	0.19	0.36	0.55
H2-WW000003-0-5A20	Effluent	20-Apr-05	ND(0.013)	ND(0.013)	ND(0.013)	0.025	0.025
H2-WW000001-0-5A27	Influent	27-Apr-05	ND(1.4)	ND(1.4)	ND(1.4)	5.7	5.7
H2-WW000002-0-5A27	Intermediate	27-Apr-05	ND(0.041)	ND(0.041)	0.044	0.28	0.32
H2-WW000003-0-5A27	Effluent	27-Apr-05	ND(0.014)	ND(0.014)	0.014	0.11	0.12
Action Level	Effluent		0.50	0.50	0.50	0.50	0.50

Notes:

ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.

Intermediate - Sample collected between carbon units which are being operated in series.

4/07/05 - Day 1 sampling

4/09/05 - Day 3 sampling

4/11/05 - Day 5 sampling

4/13/05 - Day 7 sampling

4/20/05 - weekly sampling

4/27/05 - weekly sampling

**Table 6a - NPDES non-PCB Sampling Results for Water Treatment System
April 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in part per billion, ppb)

Sample ID	H2-WW000001-0-5A07	H2-WW000002-0-5A07	H2-WW000003-0-5A07	NPDES Permit Regulatory Effluent Limits
Sample type	Influent	Intermediate	Effluent	
Date Collected	04/07/2005	04/07/2005	04/07/2005	
Analyte				
APP IX SEMIVOLATILES				
	NS	NS	NS	
APP IX VOLATILES				
	NS	NS	NS	
METALS				
ARSENIC	ND	NS	33.8	50
BARIUM	35.7	NS	ND	100
BERYLLIUM	0.29	NS	ND	4
CHROMIUM	4.7	NS	ND	100
COPPER	9.4	NS	ND	100
LEAD	13.0	NS	ND	50
NICKEL	4.0	NS	ND	100
TIN	4.1	NS	ND	100
VANADIUM	2.9	NS	13.6	100
ZINC	23.2	NS	9.9	500
ORGANIC				
PETROLEUM HYDROCARBON	NS	NS	NS	5000

NOTES:

Intermediate - sample collected between carbon units which are being operated in series.

Only detected constituents are summarized

ND - not detected

NS - not sampled

**Table 7 - Daily Air Monitoring Results
April 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Date Collected	Sample Location	Average Site Concentration (mg/m³)	Average Period (Hours:Min)
4/1/2005	Upwind	##	##
	Downwind	##	##
	Background	##	##
4/2/2005	Upwind	weekend	weekend
	Downwind	weekend	weekend
	Background	weekend	weekend
4/3/2005	Upwind	weekend	weekend
	Downwind	weekend	weekend
	Background	weekend	weekend
4/4/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
4/5/2005	Upwind	0.045	6
	Downwind	0.004	6
	Background	--	--
4/6/2005	Upwind	0.000	7
	Downwind	0.000	7
	Background	--	--
4/7/2005	Upwind	0.024	7
	Downwind	0.019	7
	Background	--	--
4/8/2005	Upwind	0.001	4
	Downwind	0.000	5
	Background	--	--
4/9/2005	Upwind	weekend	weekend
	Downwind	weekend	weekend
	Background	weekend	weekend
4/10/2005	Upwind	weekend	weekend
	Downwind	weekend	weekend
	Background	weekend	weekend
4/11/2005	Upwind	0.000	7
	Downwind	0.003	6
	Background	--	--
4/12/2005	Upwind	0.003	7
	Downwind	0.003	7
	Background	--	--
4/13/2005	Upwind	0.000	7
	Downwind	0.000	7
	Background	--	--
4/14/2005	Upwind	0.000	7
	Downwind	0.000	3
	Background	--	--
4/15/2005	Upwind	0.006	18
	Downwind	0.005	18
	Background	--	--
4/16/2005	Upwind	weekend	weekend
	Downwind	weekend	weekend
	Background	weekend	weekend

Date Collected	Sample Location	Average Site Concentration (mg/m ³)	Average Period (Hours:Min)
4/17/2005	Upwind	weekend	weekend
	Downwind	weekend	weekend
	Background	weekend	weekend
4/18/2005	Upwind	**	**
	Downwind	**	**
	Background	**	**
4/19/2005	Upwind	0.000	5
	Downwind	0.007	5
	Background	--	--
4/20/2005	Upwind	0.031	7
	Downwind	0.029	6
	Background	0.000	7
4/21/2005	Upwind	0.001	8
	Downwind	0.000	6
	Background	0.002	7
4/22/2005	Upwind	0.001	7
	Downwind	0.000	7
	Background	0.000	7
4/23/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
4/24/2005	Upwind	weekend	weekend
	Downwind	weekend	weekend
	Background	weekend	weekend
4/25/2005	Upwind	0.000	7
	Downwind	0.000	7
	Background	0.000	7
4/26/2005	Upwind	0.000	7
	Downwind	0.008	7
	Background	0.000	7
4/27/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
4/28/2005	Upwind	0.010	8
	Downwind	0.012	8
	Background	0.000	8
4/29/2005	Upwind	0.011	7
	Downwind	0.012	8
	Background	0.000	7
4/30/2005	Upstream	weekend	weekend
	Downstream	weekend	weekend
	Background	weekend	weekend
notification level		0.120	
action level		0.150	

Notes:

N/A - Not available due to precipitation forecast > 50%

--- - No reading due to technical difficulties with monitoring equipment

** - No data collected due to down load of backlogged data.

- not deployed; no intrusive work performed

**Table 8 - Daily Noise Monitoring Results
April 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Date	Noise (dBA)			Average Period (Hours:Min)
	High	Low	Average	
4/5/2005	88.6	62.5	72.5	1:26
4/6/2005	103.2	51.4	68.5	7:26
4/7/2005	93.8	51.5	67.9	4:37
4/8/2005	--	--	--	0:00
4/9/2005	Weekend	Weekend	Weekend	0:00
4/10/2005	Weekend	Weekend	Weekend	0:00
4/11/2005	86.3	47.2	61.4	7:52
4/12/2005	86.5	20	62.05	6:44
4/13/2005	##	##	##	0:00
4/14/2005	84.3	44.9	59	7:16
4/15/2005	83.1	44.6	55.8	8:54
4/16/2005	Weekend	Weekend	Weekend	0:00
4/17/2005	Weekend	Weekend	Weekend	0:00
4/18/2005	**	**	**	0:00
4/19/2005	--	--	--	0:00
4/20/2005	87	22.8	53.9	7:05
4/21/2005	99.6	53.6	67.6	7:54
4/22/2005	95	46.8	65.5	7:45
4/23/2005	Weekend	Weekend	Weekend	0:00
4/24/2005	Weekend	Weekend	Weekend	0:00
4/25/2005	--	--	--	0:00
4/26/2005	87.4	38.8	53.3	7:36
4/27/2005	N/A	N/A	N/A	0:00
4/28/2005	79.4	20	42.9	0:00
4/29/2005	81.4	47.7	58.5	0:00
4/30/2005	Weekend	Weekend	Weekend	0:00

Notes:

dBA - Decibel

N/A - Not deployed due to weather

--- No readings due to technical errors

- Battery Died during sampling

** - No data due to Data Download

**Table 9 - Daily Water Column Turbidity Monitoring Results
April 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Date	Flow at Coltsville (cfs)	Location	Turbidity (ntu)			Temperature Average (°C)
			Average	High	Low	
4/12/2005	212	Downstream of Lyman Street Bridge	1.4	1.9	1.0	^^
		Downstream of Pomeroy Avenue Bridge	0.9	1.1	0.8	^^
4/13/2005	191	Downstream of Lyman Street Bridge	1.5	1.6	1.4	8.16
		Downstream of Pomeroy Avenue Bridge	1.6	1.9	1.4	8.3
4/14/2005	138	Downstream of Lyman Street Bridge	19.7	45.0	11.5	8.37
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
4/15/2005	120	Downstream of Lyman Street Bridge	18.5	34.1	9.5	8.64
		Downstream of Pomeroy Avenue Bridge	12.4	30.4	3.0	11.12
4/16/2005	109	Downstream of Lyman Street Bridge	13.8	33.7	6.6	8.87
		Downstream of Pomeroy Avenue Bridge	1.7	1.9	1.5	9.09
4/17/2005	103	Downstream of Lyman Street Bridge	12.8	32.7	6.0	9.96
		Downstream of Pomeroy Avenue Bridge	1.0	1.2	0.8	10.14
4/18/2005	97	Downstream of Lyman Street Bridge	22.9	39.0	6.1	11.17
		Downstream of Pomeroy Avenue Bridge	2.0	11.5	0.6	11.78
4/19/2005	94	Downstream of Lyman Street Bridge	28.7	40.7	16.5	11.55
		Downstream of Pomeroy Avenue Bridge	1.4	2.7	0.5	12.24
4/20/2005	94	Downstream of Lyman Street Bridge	20.9	30.5	8.9	12.91
		Downstream of Pomeroy Avenue Bridge	3.1	14.0	0.7	13.79
4/21/2005	78	Downstream of Lyman Street Bridge	23.2	56.3	10.4	13.81
		Downstream of Pomeroy Avenue Bridge	3.5	13.1	0.5	14.39
4/22/2005	72	Downstream of Lyman Street Bridge	23.2	56.3	10.4	13.8
		Downstream of Pomeroy Avenue Bridge	3.5	13.1	0.5	14.39
4/23/2005	77	Downstream of Lyman Street Bridge	28.9	50.1	15.3	11.6
		Downstream of Pomeroy Avenue Bridge	6.7	14.1	1.8	10.79
4/24/2005	389	Downstream of Lyman Street Bridge	27.5	60.7	11.6	10.6
		Downstream of Pomeroy Avenue Bridge	4.4	5.3	3.7	11.4
4/25/2005	254	Downstream of Lyman Street Bridge	47.1	72.4	18.6	10.37
		Downstream of Pomeroy Avenue Bridge	2.0	2.8	1.6	10.5
4/26/2005	135	Downstream of Lyman Street Bridge	40.4	71.8	25.7	9.96
		Downstream of Pomeroy Avenue Bridge	1.3	1.9	1.0	10.3
4/27/2005	109	Downstream of Lyman Street Bridge	55.4	90.7	43.0	11.2
		Downstream of Pomeroy Avenue Bridge	1.3	1.7	0.8	11.3
4/28/2005	140	Downstream of Lyman Street Bridge	76.1	103.3	54.3	11.4
		Downstream of Pomeroy Avenue Bridge	1.2	1.5	0.9	11.6
4/29/2005	118	Downstream of Lyman Street Bridge	76.2	105.1	54.3	10.98
		Downstream of Pomeroy Avenue Bridge	1.5	2.2	1.3	10.82
4/30/2005	99	Downstream of Lyman Street Bridge	130.7	185.2	90.9	11.41
		Downstream of Pomeroy Avenue Bridge	2.1	4.3	1.6	11.45

Notes:

Turbidity Action Level - Average Downstream (Pomeroy Avenue) ≥ Average Downstream (Lyman Street) + 50 ntu

cfs - Cubic feet per second

ntu - nephelometric turbidity units

Measurements collected using YSI 6200 Data Acquisition System using 600 OMS sonde with a 6136 Turbidity Probe

Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.

Negative values are attributed to +/- 2ntu accuracy of the turbidity probe.

^^ - Data not collected due to technical difficulties with the equipment.

Sondes were removed from the river on 4/1/05 in anticipation of a flood event. They were returned to the river on 4/13/05. The Pomeroy Avenue sonde was discovered to be not functioning on 4/ 15. The seal at the sonde plug appeared to have failed. The sonde was pulled, and the seal fixed, and returned to service on 4/15.

**Table 10 - Summary of Turbidity, PCB, and TSS Water Column Monitoring Results
April 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

Location	Date	Estimated Flow (cfs)	Turbidity (ntu)			Water Temp. (°C)	Calculated Flow Beginning (cfs)	Calculated Flow End (cfs)	Sample ID	Total PCB Concentration (ug/l)	Filtered PCB Concentration (ug/l)	TSS (mg/l)
			High	Low	Daily Average							
Upstream of Newell St. Bridge	04/13/05	191	NS	NS	NS	NS	NS	NS	H2-SW000054-0-5A13	ND(0.013)	ND(0.013)	4.4
Downstream of Lyman St. Bridge	04/13/05	191	1.6	1.4	1.5	8.16	NS	NS	H0-SW000055-0-5A13	ND(0.013)	ND(0.013)	5.1
Downstream of Pomeroy Ave. Bridge	04/13/05	191	1.9	1.4	1.6	8.30	219.6	211.9	H2-SW000052-0-5A13	0.019	ND(0.013)	9.8
Upstream of Newell St. Bridge	04/26/05	135	NS	NS	NS	NS	NS	NS	H0-SW000054-0-5A26	NS	NS	NS
Downstream of Lyman St. Bridge	04/26/05	135	71.8	25.7	40.4	9.96	NS	NS	H2-SW000055-0-5A26	0.13	ND(0.013)	12.1
Downstream of Pomeroy Ave. Bridge	04/26/05	135	1.0	1.9	1.3	10.30	170.2	156.5	H2-SW000052-0-5A26	0.27	0.020	4.7
Downstream of Pomeroy Ave. Bridge (duplicate)	04/26/05	135	1.0	1.9	1.3	10.30	170.2	156.5	H2-SW000052-1-5A26	NS	0.021	NS

Notes:
PCB Action Level - Downstream (Pomeroy Avenue) ≥ Downstream (Lyman Street) + 5 ug/L
 ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.
 cfs - Cubic feet per second
 ntu - nephelometric turbidity units
 NS - Not Sampled
 Temperature measured YSI 600 oms system.
 Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.
 Water column samples were collected as 4 grab composite samples.
 Two flow values calculated, one at the beginning of the sampling event and one at the end of sampling event.

**Table 11 - PCB Air Sampling Results
April 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in $\mu\text{g}/\text{m}^3$)

Sample ID	Location (1)	Date Collected	Aroclor 1016, & 1242	Aroclor 1221, 1232, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-AR000007-0-5M31	background	31-Mar-05	ND(0.00271)	ND(0.00271)	ND(0.00271)	ND(0.00271)	ND(0.00271)
H2-AR000042-0-5M31	AR000042	31-Mar-05	ND(0.00276)	ND(0.00276)	ND(0.00276)	ND(0.00276)	ND(0.00276)
H2-AR000043-0-5M31	AR000043	31-Mar-05	ND(0.00278)	ND(0.00278)	ND(0.00278)	ND(0.00278)	ND(0.00278)
H2-AR000044-0-5M31	AR000044	31-Mar-05	ND(0.00281)	ND(0.00281)	ND(0.00281)	ND(0.00281)	ND(0.00281)
H2-AR000044-1-5M31	AR000044	31-Mar-05	ND(0.00276)	ND(0.00276)	ND(0.00276)	ND(0.00276)	ND(0.00276)
H2-AR000045-0-5M31	AR000045	31-Mar-05	ND(0.00267)	ND(0.00267)	ND(0.00267)	ND(0.00267)	ND(0.00267)
H2-AR000007-0-5A29	background	29-Apr-05	NR	NR	NR	NR	NR
H2-AR000042-0-5A29	AR000042	29-Apr-05	NR	NR	NR	NR	NR
H2-AR000043-0-5A29	AR000043	29-Apr-05	NR	NR	NR	NR	NR
H2-AR000044-0-5A29	AR000044	29-Apr-05	NR	NR	NR	NR	NR
H2-AR000044-1-5A29	AR000044	29-Apr-05	NR	NR	NR	NR	NR
H2-AR000045-0-5A29	AR000045	29-Apr-05	NR	NR	NR	NR	NR

Notes:

Notification Level: $0.05\mu\text{g}/\text{m}^3$

Action Level: $0.1\mu\text{g}/\text{m}^3$

1- See Figure 1 for locations

NR - Not yet reported

**Table 12 - Equipment Confirmatory Wipe Samples
April 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in $\mu\text{g}/100 \text{ cm}^2$)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-XI000213-0-5A15	15-Apr-05	ND(0.25)	0.32	0.80	1.1
H2-XI000214-0-5A15	15-Apr-05	ND(0.25)	0.50 J	1.7	2.2
H2-XI000215-0-5A27	27-Apr-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000216-0-5A27	27-Apr-05	ND(0.25)	ND(0.25)	0.56	0.56

Notes:

ND(0.25) - Analyte was not detected. The value in parentheses is the associated detection limit.

Table 13 - Post Excavation Soil/ Sediment Stockpile Characterization Analytical Results
April 2005 Monthly Report
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per million, ppm)

Sample ID	H2-OT000247-0-5A15	H2-OT000248-0-5A15	H2-OT000249-0-5A15	H2-OT000250-0-5A15
Sample type	stockpile material characterization	stockpile material characterization	stockpile material characterization	stockpile material characterization
Date Collected	4/15/2005	4/15/2005	4/15/2005	4/15/2005
Stockpile Location	Area 64D south	Area 64D south	Area 64C north	Building 65
Analyte				
PCBS				
AROCLOR-1254	5.1	2.6	1.7	.52
AROCLOR-1260	14	9.5	4.6	1.3
PCB, TOTAL	19	12	6.3	1.8
INORGANICS				
PAINT FILTER LIQUIDS (ml)	ABSENT	ABSENT	ABSENT	ABSENT
PERCENT SOLIDS (%)	88.5	91.1	90.9	91.9

Notes:

Only detected constituents are summarized

J - Indicates an estimated value

ND - not detected

--- not sampled

Table 13 - Post Excavation Soil/ Sediment Stockpile Characterization Analytical Results
April 2005 Monthly Report
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA

(Results are presented in part per million, ppm)

Sample ID	H2-OT000250-1-5A15	H2-OT000251-0-5A20	H2-OT000253-0-5A29	H2-OT000254-0-5A29
Sample type	stockpile material characterization (duplicate)	stockpile material characterization	stockpile material characterization	stockpile material characterization
Date Collected	4/15/2005	4/20/2005	4/29/2005	4/29/2005
Stockpile Location	Building 65	Area 64C south	Building 65 Pile 1	Building 65 Pile 1
Analyte				
PCBS				
AROCLOR-1254	.53 J	1.9	ND	6.9
AROCLOR-1260	2	8.7	12	23
PCB, TOTAL	2.5	11	12	30
INORGANICS				
PAINT FILTER LIQUIDS (ml)	---	ABSENT	ABSENT	ABSENT
PERCENT SOLIDS (%)	92.2	91.4	90.4	84.0

**Table 14 - Backfill Material Testing Results
April 2005 Monthly Report**

**GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in part per million, ppm)

Sample ID	H2-OT000165-0-5A14-1	H2-OT000056-0-5A21-1	H2-OT000056-0-5A21-2	H2-OT000056-0-5A21-3	Regulatory Limits (1)
Sample type	Topsoil	Common Fill	Common Fill	Common Fill	
Date Collected	4/14/2005	4/21/2005	4/21/2005	4/21/2005	
Analyte					
APP IX SEMIVOLATILES					
4-METHYLPHENOL	.056 J	ND	ND	ND	500
ACETOPHENONE	.029 J	ND	ND	ND	1000
BENZO(A)ANTHRACENE	.041 J	ND	ND	ND	0.7
BENZO(A)PYRENE	.045 J	ND	ND	ND	0.7
BENZO(B)FLUORANTHENE	.075 J	ND	ND	ND	0.7
BENZO(GHI)PERYLENE	.022 J	ND	ND	ND	1000
BENZO(K)FLUORANTHENE	.05 J	ND	ND	ND	7
CHRYSENE	.059 J	ND	ND	ND	7
FLUORANTHENE	.071 J	ND	ND	ND	1000
PHENANTHRENE	.042 J	ND	ND	ND	100
PYRENE	.064 J	ND	ND	ND	700
APP IX VOLATILES					
2-BUTANONE	.021	ND	ND	ND	0.3
ACETONE	.24	.007	.0083	.0089	3
IODOMETHANE (METHYL IODIDE)	.0018 J	ND	ND	ND	100
METHYLENE CHLORIDE	ND	ND	.001 J	.0013 J	0.1
TOLUENE	.0028 J	ND	ND	ND	90
METALS					
ANTIMONY	0.53	ND	ND	ND	10
ARSENIC	5.9	4.2	4.3	3.6	30
BARIUM	50.7	15.3	23.1	17.8	1000
BERYLLIUM	0.48	0.17	0.20	0.22	0.7
CADMIUM	0.20	0.12	0.17	0.13	30
CHROMIUM	11.8	3.9	4.1	4.4	1000
COBALT	9.1	6.1	7.5	8.2	500
COPPER	15.7	10.5	9.9	11.5	1000
LEAD	17.8	4.7	4.2	4.1	300
MERCURY	0.072	ND	ND	ND	20
NICKEL	14.1	9.1	9.9	10.3	300
SELENIUM	1.4	ND	ND	ND	400
TIN	0.73	ND	ND	ND	10
SILVER	ND	ND	ND	0.21	100
VANADIUM	15.3	5.1	5.4	5.8	400
ZINC	83.3	35.2	39.2	39.8	2500

Sample ID	H2-OT000165-0-5A14-1	H2-OT000056-0-5A21-1	H2-OT000056-0-5A21-2	H2-OT000056-0-5A21-3	Regulatory Limits (1)
Sample type	Topsoil	Common Fill	Common Fill	Common Fill	
Date Collected	4/14/2005	4/21/2005	4/21/2005	4/21/2005	
Analyte					
PCBS					
PCB, TOTAL	ND	ND	ND	ND	0.1*
ORGANIC					
PETROLEUM HYDROCARBON	85.9	ND	ND	ND	200*

Notes:

Only detected constituents are summarized

ND - not detected

J - Indicates an estimated value

(1) - Massachusetts contingency plan S-1 limits

* - Project specific acceptable levels for backfill



Photograph 1 – Excavation Activities in Cell 25



Photograph 2 – Excavation Activities in Cell 25



Photograph 3 – Backfilling Activities in Cell 25A



Photograph 4 – Backfilling Activities in Cell 25A



Photograph 5 – Installation of the Cell 26 Upstream Cutoff Wall



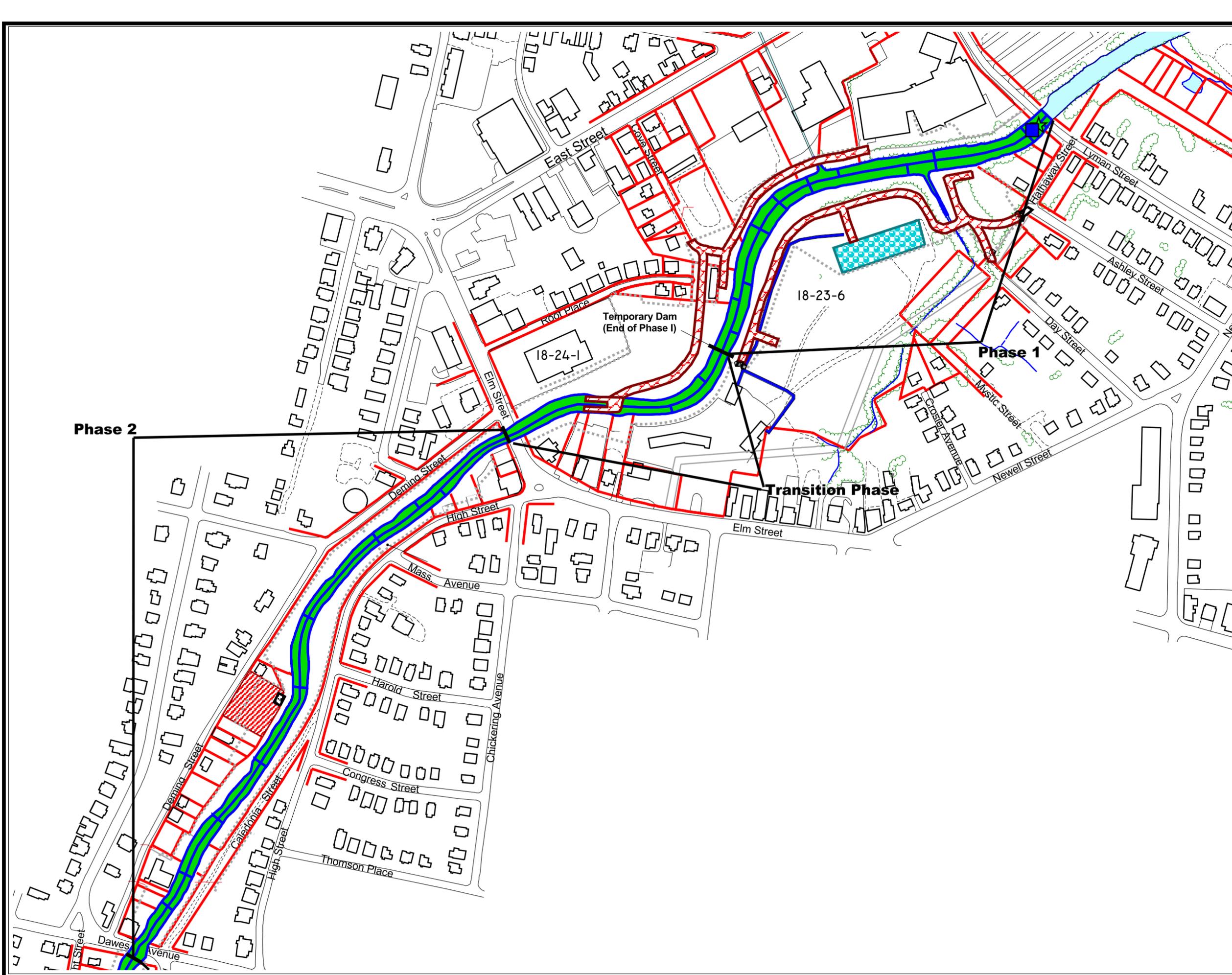
Photograph 6 – Cell 26 Prior to Excavation



Photograph 7 – Excavation Activities in Cell 26



Photograph 8 – Construction of Access Road on the West Riverbank in Phase 3B, Parcel I7-2-20



LEGEND

- Roads
- Surface Water
- Water Treatment Plant*
- Access Roads
- Asphalt Access Road
- Property Lines
- Loadout Area
- Deming Street Staging/Loadout Area
- Fence Line
- Work Completed
- Turbidity Monitoring Locations
- Water Monitoring Locations
- Buried Electric/Telephone Line*

*Note: As-built features were located using a real time GPS unit



Scale in Feet



Figure 1
1.5 Mile Removal Action
Site Map (Map 1 of 2)
April 2005 Monthly Report

