

**United States Environmental Protection Agency  
EPA New England  
One Congress Street, Suite 1100  
Boston, MA 02114-2023**

June 13, 2005

To: J. Kilborn, EPA  
H. Inglis, EPA  
R. Howell, EPA (w/o attachments)  
D. Moore, USACE  
K.C. Mitkevicius, USACE  
S. Steenstrup, MA DEP (2 copies)  
R. Bell, Esquire, MA DEP  
S. Peterson, CT DEP  
A. Silber, GE  
J. Novotny, GE  
J.R. Bieke, Esquire, Shea & Gardner  
S. Messur, BBL  
D. Young, MA EOE  
K. Munney, US Fish and Wildlife  
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: May 2005 Monthly Report  
1.5 Mile Reach Removal Action  
GE-Pittsfield/Housatonic River Site

Enclosed please find the May 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 May 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 excavation and backfill activities in Cells 26 and 28. Also, the installation of the sheetpile walls for Cell 27 was initiated and the installation of the centerline sheetpile wall for Cells 29 and 30 was 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 April 2005, excavation activities in Cell 26 were initiated. During the first week of May the non-TSCA, TSCA and "GE floodplain" excavation activities in Cell 26 were completed. The excavated TSCA material was transported to Building 63 and Area 64A stockpile management areas. The non-TSCA material characterized for off-site disposal was transported to Area 64B and the non-TSCA material not characterized for off-site disposal was transported to Building 65 stockpile management areas. (See Table 1 for quantities of material generated in the month of May 2005 and Table 2 for quantities of material generated to date.)

The surveyors monitored the excavation activities in Cell 26 to ensure appropriate design excavation depths were achieved. The total amount of material excavated from Cell 26 in the "GE floodplain area" was 231 cy. The design excavation quantity in the "GE floodplain area" was 186 cy. The excavation contractor over excavated 45 cy of soil in this area. GE will only be responsible for the excavation and OPCA disposal costs for the 186 cy. Once the excavation activities were completed, the final excavation verification survey was performed in Cell 26, staking out of the backfill grades was completed and backfilling activities were initiated.

First, an access ramp was built on the riverbank of Cell 26 to allow for backfill to be transported into the Cell 26 riverbed. The ramp was built from common fill. The riverbed and riverbank of Cell 26 will be backfilled in the following manner: The first 75 feet of the riverbed will be backfilled with a layer of common fill to the design grade, followed by a ten-inch layer of filter material Type I, and a fifteen-inch layer of 9-inch riprap. The first 75 feet of the riverbank will be backfilled with common fill to the design 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 ranges from approximately elevation 967.5 to 968 feet above mean sea level (AMSL). The last 350 feet of the riverbed will be backfilled with a layer of common fill to the design grade, followed by a

nine-inch layer of filter material Type II, and an eighteen-inch layer of 12-inch riprap. The last 350 feet of the riverbank will be backfilled with common fill to the design 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 967.5 to 968 feet AMSL.

In areas where the riverbank extends above elevation 967.5 to 968 feet AMSL, the riverbank will be backfilled as follows: Common fill will be installed in twelve inch horizontal lifts and compacted to meet the 95% compaction requirement. Then, a minimum six-inch layer of topsoil, herbaceous seed mix and erosion control blankets will be installed. 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 backfilling activities in Cell 26 to ensure appropriate design backfill grades were achieved.

Also, repair work to the articulated concrete blocks (ACB) installed in Phase 2 continued. 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.

Other activities during the first week of May included demobilization and removal of equipment from the former staging/support area on Parcel I8-4-201/202. All equipment was moved to the GE Lyman Street parking lot staging area. Also, 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. Activities associated with restoration of the basement stoop on the building located on Parcel I7-21-1 were initiated. The installation of the concrete forms, wire-mesh reinforcement and pouring of the concrete was completed. In addition, the construction of the housing for the water treatment system (WTS) filter tanks and pumps was initiated.

During the second week of May, backfilling activities in Cell 26 were completed in accordance with backfill configurations described above. Silt fencing was installed along the top of the riverbank of Cell 26. A layer of 18-inch temporary erosion control riprap was placed at the downstream end of Cell 26, at the interface between Cell 26 and future Cell 27 to avoid any potential erosion.

The surveyors monitored the backfilling activities in Cell 26 to ensure appropriate design backfill grades were achieved. Once the backfilling was completed, the survey contractor completed the final restoration survey, and both the upstream and the downstream cutoff walls of Cell 26 were removed and Cell 26 was flooded.

The installation of the Cell 28 upstream cutoff wall was initiated.

The construction activities associated with building a crane pad and expanding the staging/support area on Parcels I7-2-20 and I7-2-21 was initiated. The pad and the

staging/support area was built by installing a layer of geotextile and airport mix dense stone material. In addition temporary road mats were installed within the staging/support area.

Other activities during the second week of May included the repair work to the ACB in Phase 2. Activities associated with restoration of the basement stoop on the building located on Parcel I7-21-1 were completed. A twenty-four inch high block wall was installed to replace the existing wall that was removed during the riverbank remediation activities. The construction of the housing for the WTS filter tanks and pumps continued. The installation of a chain link fence on the cantilevered retaining wall on High Street was completed. The removal of the temporary security fencing along Phase 3A was completed.

Also, tree stumps and other debris generated during the tree clearing and grubbing activities on Parcels I7-2-1 and I7-2-20 (approximately 120 cy) were transported to Area 64A stockpile management area. In addition, the chipping of the tree and brush debris from the tree clearing on Parcels I7-2-1 and I7-2-20 previously moved to GE Newell Street parking lot was initiated. The wood material generated during the chipping operation was transferred to the GE OPCA for use as daily cover material.

During the third week of May, the removal of the Cell 26 backfill access ramp was completed. The riverbank was then backfilled in accordance to Cell 26 backfill configurations.

The installation of the Cell 28 upstream and downstream sheetpile cutoff walls was completed. Additional sheeting was installed further into the riverbank on the upstream cutoff wall to prevent erosion.

Once Cell 28 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 28 and the excavation activities in Cell 28 were performed. The excavated TSCA material was transported to Area 64A stockpile management area. The non-TSCA material characterized for offsite disposal was transported to Area 64B and the non-TSCA material not characterized for off-site disposal was transported to Area 64D stockpile management areas.

The surveyors monitored the excavation activities in Cell 28 to ensure appropriate design excavation depths were achieved. Once the excavation activities were completed, the final excavation verification survey was performed in Cell 28, staking out of the backfill grades was completed and backfilling activities were initiated.

First, a backfill access ramp was built on the riverbank of Cell 28. The ramp was built from common fill. The riverbed and riverbank of Cell 28 will be backfilled as follows: The first 100 feet of the riverbed will be backfilled with a layer of common fill to the design grade, followed by a nine-inch layer of filter material Type II, and an eighteen-inch layer of 12-inch riprap. The last 85 feet of the riverbed will be backfilled with a layer of common fill to the design grade, followed by a nine-inch layer of filter material Type II, and an of fifteen-inch layer of 9-inch riprap. The riverbank will be backfilled with common fill to the design 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 967.5 feet AMSL.

The riverbank above elevation 967.5 feet AMSL will be backfilled as follows: Common fill will be installed in twelve inch horizontal lifts and compacted to meet the 95% compaction requirement. Then, a minimum six-inch layer of topsoil, herbaceous seed mix and erosion control blankets will be installed.

The removal of the centerline sheetpile wall between Cells 25/25A and Cell 26 was completed.

Also during the third week of May, the construction activities associated with building a crane pad and expanding the staging/support area on Parcels I7-2-20 and I7-2-21 was completed. Also, the tree clearing and grubbing activities on Parcel I7-2-20 were completed. In addition, the transfer of the wood material generated during the chipping operation on GE Newell Street parking lot to the GE OPCA continued. The demobilization and relocation of equipment from the Parcels I7-3-6 and I7-3-7 staging/support area to the staging/support area on Parcels I7-2-20 and I7-2-21 was initiated. Dismantling and relocation of the 200 ton crane was initiated. The crane components were moved to the staging/support area on Parcels I7-2-20 and I7-2-21.

Other activities during the third week of May included the installation of the site security fence along Parcels I7-3-4, I7-3-3, I7-3-2, I7-3-1 and I7-99-000. In addition, a permanent chain link fence was installed on Parcel I7-3-11.

The semi-annual inspection of the restored riverbanks and re-vegetation was performed in Phases 1, the Transition Phase and Phase 2. Minimal erosion was observed and will be corrected.

During the fourth week of May, the backfilling activities in Cell 28 were completed in accordance with backfill configurations described above. Silt fencing was installed along the top of the riverbank of Cell 28. A layer of 12-inch temporary erosion control riprap was placed at the downstream end of Cell 28, at the interface between Cell 28 and future Cell 29 to avoid any potential erosion.

The surveyors monitored the backfilling activities in Cell 26 to ensure appropriate design backfill grades were achieved. Once the backfilling was completed, the survey contractor completed the final restoration survey and both the upstream and the downstream cutoff walls of Cell 28 were removed and Cell 28 was flooded.

The demobilization and relocation of equipment from the Parcels I7-3-6 and I7-3-7 staging/support area to the staging/support area on Parcels I7-2-20 and I7-2-21 continued. Dismantling of the 200 ton crane was completed. All crane components were moved to the staging/support area on Parcels I7-2-20 and I7-2-21 and the crane reassembly and load testing activities were completed.

The survey contractors continued to delineate and stake out the centerline of the river channel in Cells 29 and 30 and the installation of the centerline sheetpile wall between Cells 29 and 30 was initiated.

The installation of the river enhancement structures was completed in Cells 25, 25A, 26 and 28.

The lay out the tree and shrub locations in Phases 2B, 2C and Phase 3A for the spring planting was completed.

Other activities during the fourth week of May included the activities associated with backwashing the WTS filter tanks, cleaning out and removal of the WTS modutank sediment. The removed modutank sediment material was transported to Building 65 stockpile management area. The removal and stump grinding of two large trees on Parcels I7-21-4 and I7-2-46 was completed. The installation of the site security fence along Parcels I7-3-4, I7-3-3, I7-3-2, I7-3-1 and I7-99-000 was completed. The construction activities associated with building access roads and the staging/support area on Parcels I7-3-1 and I7-99-000 was initiated. A layer of geotextile filter stone and airport mix dense stone material was used to build the roads and the staging/support area. Also, tree clearing and grubbing activities on Parcels I7-3-1 and I7-99-000 was initiated.

The removal of some of the staging area material from the former staging/support area on Parcel I8-4-201/202 was initiated. The staging area dense grade/airport mix material was removed and transported to the GE Lyman Street staging area for future reuse as access road/staging area material. The road fabric material was removed and transported to Area 64E stockpile management area. In addition, the removal of debris, fabric and unsalvageable material from the former WTS location on Parcel I8-23-6 was removed and transferred to Area 64E stockpile management area.

Installation of a stockade fence on Parcel I7-2-46 was performed.

During the last week of May, the installation of the Cell 27 upstream and downstream cutoff walls was initiated.

The activities associated with the spring planting in Phases 2B, 2C and Phase 3A were initiated.

Activities associated with backwashing the WTS filter tanks, cleaning out and removal of the WTS modutank sediment continued. The removed modutank sediment material was transported to Building 65 stockpile management area.

Also, the tree clearing and grubbing activities on Parcels I7-3-1 and I7-99-000 continued. The tree debris generated during the tree clearing and grubbing activities was transferred to GE Newell Street parking for future chipping.

During the month of May, the WTS operations continued. The WTS treated water from Cells 26 and 28. Sampling of the WTS for parameters included in the NPDES exclusion permit was performed on May 04, 2005. The PCB results for the May 4, 2005 sampling round of the WTS effluent exceeded the PCB action level of 0.50 ppb. Corrective actions such as backwashing of the sand and carbon filter tanks and removal of some of the material from the modutanks was completed. Then another round of WTS sampling was performed on May 18, 2005. The effluent results were below the NPDES exclusion permit limits. Air monitoring for particulate matter (PM10 sampling) and surface water turbidity monitoring were performed on a daily basis during the month of May. Surface water sampling for total suspended solids (TSS) and PCBs was performed on May 3, 2005 and May 18, 2005. The monthly PCB air-monitoring event was performed on May 20, 2005. PCB wipe samples were collected on decontaminated equipment.

On May 02, 2005 and May 20, 2005, four eight-point composite post excavation off-site disposal characterization samples were collected from the riverbed and riverbank materials excavated from Cells 26 and 28 (stockpiled in Area 64D and Building 65).

Geotechnical samples were collected for topsoil. 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 Building 63 and Area 64A stockpile management areas to the Building 71 OPCA was performed on May 5, 2005, May 6, 2005 and May 23, 2005. (See Table 3 for a summary of material transported to the OPCAs during the month of May 2005 and Table 4 for a summary of material transported to the OPCAs for the project through May 2005.)

The non-TSCA materials from the Area 64C north, Area 64C south, Area 64B and Building 65 stockpile management areas were transported to the Seneca Meadows Landfill, Waterloo, N.Y. from May 02, 2005 to May 25, 2005. (See Table 5 for a summary of material transported to the Seneca Meadows Landfill, Waterloo, N.Y. during the month of May 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 May. 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 May.

### **3. Sampling/test results received**

Table 6 contains a summary of the PCB samples collected for the water treatment system sampling program on May 4, 2005 and May 18, 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 May 3, 2005 and May 18, 2005 are presented in Table 10. Summary of the PCB air sampling conducted on April 29, 2005 and May 20, 2005 are provided in Table 11. 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 26 and 28 (stockpiled in Area 64D and Building 65) collected on May 02, 2005 and May 20, 2005 are summarized in Table 13.

#### **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, vibration monitoring 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**

Vibration monitoring activities were performed during the months of April and May; however the reports have not yet been received. During the months of April and May the following properties were monitored: Parcels I7-2-27; I7-2-26; I7-2-25; I7-2-24; I7-2-23; I7-2-22; I7-2-21; I7-3-6; I7-3-5; I7-3-4; I7-3-3; I7-3-2; and I7-99-000.

#### **6. Photo documentation of activities performed**

See attached photos.

#### **7. Brief description of work to be performed in June 2005**

- Complete the installation of the upstream and downstream sheetpile cutoff walls for Cell 27.
- Initiate and complete excavation and backfilling activities in Cell 27.
- Remove the upstream and downstream sheetpile cutoff walls for Cell 27.
- Continue the installation of the centerline sheetpile wall for Phase 3B.
- Complete the installation of the upstream and downstream sheetpile cutoff walls for Cell 29.
- Initiate and complete excavation activities in Cell 29.
- Initiate backfill activities in Cell 29.

- Complete the installation of access roads along Cell 29 and Cell 32 and support area on Parcels I7-99-000 and I7-3-1.
- Complete spring planting activities in Phase 2B, Phase 2C and Phase 3A.
- Complete the repair of the energy dissipater from the City outfall downstream of the Elm Street Bridge.
- Complete the repair of the Articulate Concrete Blocks (ACB) in Phase 2A.
- Continue stockpile management activities at Buildings 63, 65, 68 and Area 64.
- 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 May

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

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

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 May

Table 6. NPDES 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

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 May  
May 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
<b>Bank Soil and Sediment</b>				
5/2/2005	Cell 26	0	250	0
5/3/2005	Cell 26	30	0	0
5/4/2005	Cell 26	40	80	0
5/17/2005	Cell 28	80	30	0
5/18/2005	Cell 28	330	80	0
5/19/2005	Cell 28	320	80	0
5/20/2005	Cell 28	60	0	0
	<b>Monthly total from bank soil and sediment</b>	<b>860</b>	<b>520</b>	<b>0</b>

Note:

All quantities are in compacted or "in-place" cubic yards. All loads are estimated at 10cy per truck.

**Table 2 - Quantity of Bank and Sediment Material Excavated to Date  
May 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 5/04/05	Cell 26^	2,199	357	0	2,556
5/17/05 to 5/20/06	Cell 28*	790	190	0	980
	<b>Total</b>	<b>45,594</b>	<b>10,098</b>	<b>6,949</b>	<b>62,641</b>

Note:

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

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

\* - Estimated based on truck counts.

**Table 3 - Quantity of Material Transferred to OPCAs During the Month of May  
May 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)
<b>Bank Soil and Sediment</b>			
5/5/2005	42	0	462
5/6/2005	40	0	440
5/23/2005	44	0	484
<b>Monthly totals</b>	<b>126</b>	<b>0</b>	<b>1,386</b>

Note:

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

(1) Estimated at 11 cy per truck

Includes a total of 29 truck loads of material removed from the "GE Floodplain Area". This includes 17 truck loads (186 cy) of Cell 26 floodplain soil and 12 truck loads of stumps and debris from the floodplain portion of Parcels I7-2-20 and I7-2-21.

**Table 4 - Quantity of Material Transferred to OPCAs to Date  
May 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)
<b>Site Preparation Activities</b>			
09/11/02	Building 65 Stockpile Management Area	225	
<b>Bank Soil and Sediment</b>			
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)
05/05/05 to 05/23/05	Stockpile Management Area **	0	1,067 (3)
<b>Project Totals</b>		<b>28,238</b>	<b>14,702</b>

Notes:

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".

\*\* - Excludes the 29 (319 cy) truck loads of the "GE Floodplain Area".

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 May  
May 2005 Monthly Report**

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

**(Results are reported in tons)**

<b>Date Shipped</b>	<b>Doc. Number</b>	<b>Stockpile Area</b>	<b>Net Weight (Tons) (1)</b>
05/02/05	0193SM	Cell 25 Area 64CNorth	29.74
05/02/05	0194SM	Cell 25 Area 64CNorth	29.44
05/02/05	0195SM	Cell 25 Area 64CNorth	29.43
05/02/05	0196SM	Cell 25 Area 64CNorth	31.96
05/02/05	0197SM	Cell 25 Area 64CNorth	31.34
05/02/05	0198SM	Cell 25 Area 64CNorth	30.70
05/02/05	0199SM	Cell 25A Area 64CSouth	31.46
05/02/05	0200SM	Cell 25A Area 64CSouth	33.25
05/02/05	0201SM	Cell 25A Area 64CSouth	31.45
05/02/05	0202SM	Cell 25A Area 64CSouth	31.65
05/03/05	0203SM	Cell 25A Area 64CSouth	30.76
05/03/05	0204SM	Cell 25A Area 64CSouth	31.87
05/03/05	0205SM	Cell 25A Area 64CSouth	29.40
05/03/05	0206SM	Cell 25A Area 64CSouth	30.49
05/03/05	0207SM	Cell 25A Area 64CSouth	30.44
05/03/05	0208SM	Cell 25A Area 64CSouth	30.74
05/03/05	0209SM	Cell 25A Area 64CSouth	32.54
05/03/05	0210SM	Cell 25A Area 64CSouth	32.85
05/03/05	0211SM	Cell 25A Area 64CSouth	32.28
05/03/05	0212SM	Cell 25A Area 64CSouth	31.96
05/04/05	0213SM	Cell 25A Area 64CSouth	30.33
05/04/05	0214SM	Cell 25A Area 64CSouth	30.36
05/04/05	0215SM	Cell 25A Area 64CSouth	32.08
05/04/05	0216SM	Cell 25A Area 64CSouth	30.51
05/04/05	0217SM	Cell 25A Area 64CSouth	32.98
05/04/05	0218SM	Cell 25A Area 64CSouth	29.09
05/04/05	0219SM	Cell 25A Area 64CSouth	32.38
05/04/05	0220SM	Cell 25A Area 64CSouth	32.16
05/11/05	0221SM	Cell 25A Area 64CSouth	28.01
05/11/05	0222SM	Insitu Cell 26&28, Area 64B	30.82
05/11/05	0223SM	Insitu Cell 26&28, Area 64B	33.34
05/11/05	0224SM	Cell 25A Area 64CSouth	30.15
05/11/05	0225SM	Insitu Cell 26&28, Area 64B	30.50
05/11/05	0226SM	Cell 25A Area 64CSouth	29.36
05/11/05	0227SM	Cell 26 Building 65 Pile 2	30.18

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
05/11/05	0228SM	Cell 26 Building 65 Pile 2	30.94
05/11/05	0229SM	Cell 26 Building 65 Pile 2	30.34
05/11/05	0230SM	Cell 26 Building 65 Pile 2	32.04
05/11/05	0231SM	Cell 26 Building 65 Pile 2	31.34
05/11/05	0232SM	Cell 26 Building 65 Pile 2	33.54
05/11/05	0233SM	Cell 26 Building 65 Pile 2	32.33
05/11/05	0234SM	Cell 26 Building 65 Pile 2	32.58
05/11/05	0235SM	Cell 26 Building 65 Pile 2	33.67
05/12/05	0236SM	Cell 26 Building 65 Pile 2	31.82
05/12/05	0237SM	Cell 26 Building 65 Pile 2	31.10
05/12/05	0238SM	Cell 26 Building 65 Pile 2	31.19
05/12/05	0239SM	Cell 26 Building 65 Pile 2	31.17
05/12/05	0240SM	Cell 26 Building 65 Pile 2	31.34
05/12/05	0241SM	Cell 26 Building 65 Pile 2	31.99
05/12/05	0242SM	Cell 26 Building 65 Pile 2	32.85
05/12/05	0243SM	Cell 26 Building 65 Pile 2	31.70
05/12/05	0244SM	Cell 26 Building 65 Pile 2	31.23
05/12/05	0245SM	Cell 26 Building 65 Pile 2	29.03
05/12/05	0246SM	Cell 26 Building 65 Pile 2	30.08
05/12/05	0247SM	Cell 26 Building 65 Pile 2	30.63
05/12/05	0248SM	Cell 26 Building 65 Pile 2	32.55
05/12/05	0249SM	Cell 26 Building 65 Pile 2	31.50
05/13/05	0250SM	Cell 26 Building 65 Pile 2	32.10
05/13/05	0251SM	Cell 26 Building 65 Pile 2	31.29
05/13/05	0252SM	Cell 26 Building 65 Pile 2	28.73
05/13/05	0253SM	Cell 26 Building 65 Pile 2	31.90
05/13/05	0254SM	Cell 26 Building 65 Pile 2	30.59
05/13/05	0255SM	Cell 26 Building 65 Pile 2	30.43
05/13/05	0256SM	Cell 26 Building 65 Pile 2	30.31
05/13/05	0257SM	Cell 26 Building 65 Pile 2	30.86
05/13/05	0258SM	Cell 26 Building 65 Pile 2	31.80
05/13/05	0259SM	Cell 26 Building 65 Pile 2	30.99
05/13/05	0260SM	Cell 26 Building 65 Pile 2	30.49
05/13/05	0261SM	Cell 26 Building 65 Pile 2	32.48
05/13/05	0262SM	Cell 26 Building 65 Pile 2	30.15
05/13/05	0263SM	Cell 26 Building 65 Pile 2	30.82
05/13/05	0264SM	Cell 26 Building 65 Pile 1 east	30.97
05/16/05	0265SM	Cell 26 Building 65 Pile 1 east	31.73
05/16/05	0266SM	Cell 26 Building 65 Pile 1 east	29.24
05/16/05	0267SM	Cell 26 Building 65 Pile 1 east	30.79
05/16/05	0268SM	Cell 26 Building 65 Pile 1 east	30.27
05/16/05	0269SM	Cell 26 Building 65 Pile 1 east	32.43
05/16/05	0270SM	Cell 26 Building 65 Pile 1 east	28.21
05/16/05	0271SM	Cell 26 Building 65 Pile 1 east	29.93

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
05/16/05	0272SM	Cell 26 Building 65 Pile 1 east	29.32
05/16/05	0273SM	Cell 26 Building 65 Pile 1 east	30.62
05/16/05	0274SM	Cell 26 Building 65 Pile 1 east	29.97
05/16/05	0275SM	Cell 26 Building 65 Pile 1 east	32.17
05/16/05	0276SM	Cell 26 Building 65 Pile 1 east	33.28
05/16/05	0277SM	Cell 26 Building 65 Pile 1 west	30.76
05/16/05	0278SM	Cell 26 Building 65 Pile 1 west	32.30
05/16/05	0279SM	Cell 26 Building 65 Pile 1 west	32.56
05/17/05	0280SM	Cell 26 Building 65 Pile 1 west	32.09
05/17/05	0281SM	Cell 26 Building 65 Pile 1 west	32.66
05/17/05	0282SM	Cell 26 Building 65 Pile 1 west	31.22
05/17/05	0283SM	Cell 26 Building 65 Pile 1 west	28.51
05/17/05	0284SM	Cell 26 Building 65 Pile 1 west	27.78
05/17/05	0285SM	Cell 26 Building 65 Pile 1 west	31.83
05/17/05	0286SM	Cell 26 Building 65 Pile 1 west	29.44
05/17/05	0287SM	Cell 26 Building 65 Pile 1 west	29.87
05/17/05	0288SM	Cell 26 Building 65 Pile 1 west	31.68
05/17/05	0289SM	Cell 26 Building 65 Pile 1 west	31.85
05/18/05	0290SM	Cell 26 Building 65 Pile 1 west	28.53
05/18/05	0291SM	Cell 26 Building 65 Pile 1 west	33.46
05/18/05	0292SM	Cell 26 Building 65 Pile 1 west	30.67
05/18/05	0293SM	Cell 26 Building 65 Pile 1 west	30.94
05/24/05	0294SM	Insitu Cell 28, Area 64B	29.06
05/24/05	0295SM	Insitu Cell 28, Area 64B	29.22
05/24/05	0296SM	Insitu Cell 28, Area 64B	30.37
05/24/05	0297SM	Insitu Cell 28, Area 64B	30.88
05/24/05	0298SM	Insitu Cell 28, Area 64B	29.36
05/24/05	0299SM	Insitu Cell 28, Area 64B	30.64
05/24/05	0300SM	Insitu Cell 28, Area 64B	32.67
05/24/05	0301SM	Insitu Cell 28, Area 64B	31.04
05/24/05	0302SM	Insitu Cell 28, Area 64B	31.49
05/24/05	0303SM	Insitu Cell 28, Area 64B	30.70
05/25/05	0304SM	Insitu Cell 28, Area 64B	30.10
05/25/05	0305SM	Insitu Cell 28, Area 64B	30.25
05/25/05	0306SM	Insitu Cell 28, Area 64B	31.82
05/25/05	0307SM	Insitu Cell 28, Area 64B	30.79
05/25/05	0308SM	Insitu Cell 28, Area 64B	33.09
05/25/05	0309SM	Insitu Cell 28, Area 64B	32.72
<b>Total of Material Disposed</b>			<b>3,633.18</b>

(1) Net weights established at the disposal facility

**Table 6- NPDES Sampling Results for Water Treatment System  
May 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-WW000001-0-5Y04	Influent	04-May-05	ND(0.29)	ND(0.29)	0.35	2.1	2.5
H2-WW000002-0-5Y04	Intermediate	04-May-05	ND(0.26)	ND(0.26)	0.29	2.0	2.3
H2-WW000003-0-5Y04	Effluent	04-May-05	ND(0.070)	ND(0.070)	0.080	0.55	0.63
H2-WW000001-0-5Y18	Influent	18-May-05	ND(0.29)	ND(0.29)	0.77	3.1	3.9
H2-WW000002-0-5Y18	Intermediate	18-May-05	ND(0.060)	ND(0.060)	0.13	0.60	0.73
H2-WW000003-0-5Y18	Effluent	18-May-05	ND(0.027)	ND(0.027)	0.059 J	0.33	0.39
<b>Action Level</b>	<b>Effluent</b>		<b>0.50</b>	<b>0.50</b>	<b>0.50</b>	<b>0.50</b>	<b>0.50</b>

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.

5/05/05 - Day 28 sampling

Effluent exceeded the PCB action level of 0.50 ppb. Corrective actions such as backwashing of the sand and carbon filter tanks and removal of some of the material from the modutanks was completed, than another round of WTS sampling was performed on May 18, 2005.

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

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

<b>Date Collected</b>	<b>Sample Location</b>	<b>Average Site Concentration (mg/m<sup>3</sup>)</b>	<b>Average Period (Hours:Min)</b>
5/1/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
5/2/2005	Upwind	--	--
	Downwind	0.018	10
	Background	0.008	13
5/3/2005	Upwind	--	--
	Downwind	0.014	7
	Background	--	--
5/4/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
5/5/2005	Upwind	0.022	7
	Downwind	0.004	7
	Background	0.000	7
5/6/2005	Upwind	0.001	7
	Downwind	0.001	7
	Background	0.001	7
5/7/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
5/8/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
5/9/2005	Upwind	0.000	6
	Downwind	0.000	6
	Background	0.001	6
5/10/2005	Upwind	0.001	9
	Downwind	0.001	9
	Background	0.000	9
5/11/2005	Upwind	0.000	7
	Downwind	0.001	7
	Background	--	--
5/12/2005	Upwind	0.000	7
	Downwind	0.002	7
	Background	0.003	7
5/13/2005	Upwind	0.001	6
	Downwind	0.002	6
	Background	0.005	6
5/14/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
5/15/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
5/16/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A

Date Collected	Sample Location	Average Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)
5/17/2005	Upwind	0.003	24
	Downwind	0.040	20
	Background	0.010	17
5/18/2005	Upwind	0.000	5
	Downwind	0.000	5
	Background	--	--
5/19/2005	Upwind	0.000	8
	Downwind	0.002	8
	Background	0.002	8
5/20/2005	Upwind	0.005	8
	Downwind	0.006	8
	Background	0.006	8
5/21/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
5/22/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
5/23/2005	Upwind	0.000	6
	Downwind	0.000	6
	Background	0.000	6
5/24/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
5/25/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
5/26/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
5/27/2005	Upwind	0.000	5
	Downwind	0.000	5
	Background	0.000	5
5/28/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
5/29/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
5/30/2005	Upstream	Weekend	Weekend
	Downstream	Weekend	Weekend
	Background	Weekend	Weekend
5/31/2005	Upwind	0.000	5
	Downwind	0.001	5
	Background	0.000	5
<b>notification level</b>		<b>0.120</b>	
<b>action level</b>		<b>0.150</b>	

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  
May 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	
5/1/2005	weekend	weekend	weekend	weekend
5/2/2005	86.9	20	53.5	10.03
5/3/2005	86	20	51	7.67
5/4/2005	N/A	N/A	N/A	N/A
5/5/2005	74.7	26.2	51.5	7.97
5/6/2005	76.1	38.5	50.6	5.56
5/7/2005	weekend	weekend	weekend	weekend
5/8/2005	weekend	weekend	weekend	weekend
5/9/2005	63.1	41.5	50.2	4.5
5/10/2005	--	--	--	--
5/11/2005	92.9	36.5	56	7.58
5/12/2005	91.2	35.2	62.4	7.63
5/13/2005	93.4	26.3	59.1	6.66
5/14/2005	weekend	weekend	weekend	weekend
5/15/2005	weekend	weekend	weekend	weekend
5/16/2005	--	--	--	--
5/17/2005	--	--	--	--
5/18/2005	--	--	--	--
5/19/2005	87	51.1	59.9	8.5
5/20/2005	101.5	60.8	77.6	8.2
5/21/2005	weekend	weekend	weekend	weekend
5/22/2005	weekend	weekend	weekend	weekend
5/23/2005	--	--	--	--
5/24/2005	N/A	N/A	N/A	N/A
5/25/2005	N/A	N/A	N/A	N/A
5/26/2005	N/A	N/A	N/A	N/A
5/27/2005	92.5	21	54.2	5.575
5/28/2005	weekend	weekend	weekend	weekend
5/29/2005	weekend	weekend	weekend	weekend
5/30/2005	weekend	weekend	weekend	weekend
5/31/2005	N/A	N/A	N/A	N/A

Notes:  
dBA - Decibel  
N/A - Not deployed due to weather  
--- No readings due to technical errors

**Table 9 - Daily Water Column Turbidity Monitoring Results  
May 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	
5/1/2005	138	Downstream of Lyman Street Bridge	95.3	136.6	60.0	10.3
		Downstream of Pomeroy Avenue Bridge	3.2	3.7	2.7	10.49
5/2/2005	122	Downstream of Lyman Street Bridge	97.2	129.4	67.6	9.6
		Downstream of Pomeroy Avenue Bridge	3.8	5.2	3.1	9.82
5/3/2005	140	Downstream of Lyman Street Bridge	90.2	141.5	61.9	9.6
		Downstream of Pomeroy Avenue Bridge	5.0	5.6	3.8	9.8
5/4/2005	103	Downstream of Lyman Street Bridge	103.0	147.9	74.7	9.4
		Downstream of Pomeroy Avenue Bridge	7.7	21.8	4.5	9.7
5/5/2005	101	Downstream of Lyman Street Bridge	100.4	148.1	76.9	9.68
		Downstream of Pomeroy Avenue Bridge	9.3	10.0	8.0	9.6
5/6/2005	92	Downstream of Lyman Street Bridge	109.9	136.2	86.1	10.66
		Downstream of Pomeroy Avenue Bridge	6.9	30.1	1.0	11.7
5/7/2005	96	Downstream of Lyman Street Bridge	81.3	117.3	57.8	10.17
		Downstream of Pomeroy Avenue Bridge	0.9	1.1	0.7	10.3
5/8/2005	97	Downstream of Lyman Street Bridge	58.9	82.3	45.0	9.40
		Downstream of Pomeroy Avenue Bridge	1.0	1.4	0.8	9.5
5/9/2005	96	Downstream of Lyman Street Bridge	86.9	118.9	69.5	9.18
		Downstream of Pomeroy Avenue Bridge	3.1	5.9	0.6	12.7
5/10/2005	92	Downstream of Lyman Street Bridge	88.5	111.4	74.6	13.03
		Downstream of Pomeroy Avenue Bridge	4.9	16.8	1.0	16.8
5/11/2005	88	Downstream of Lyman Street Bridge	66.0	96.9	34.7	15.99
		Downstream of Pomeroy Avenue Bridge	2.0	4.8	1.0	16.0
5/12/2005	77	Downstream of Lyman Street Bridge	47.0	57.3	36.4	16.43
		Downstream of Pomeroy Avenue Bridge	1.5	3.1	0.8	16.5
5/13/2005	62	Downstream of Lyman Street Bridge	85.2	111.8	64.4	12.66
		Downstream of Pomeroy Avenue Bridge	8.5	42.5	0.7	16.0
5/14/2005	59	Downstream of Lyman Street Bridge	73.4	89.3	61.9	13.65
		Downstream of Pomeroy Avenue Bridge	1.1	1.4	0.9	13.99
5/15/2005	63	Downstream of Lyman Street Bridge	75.4	94.6	54.9	14.48
		Downstream of Pomeroy Avenue Bridge	1.2	1.6	1.0	14.77
5/16/2005	78	Downstream of Lyman Street Bridge	90.3	138.4	60.6	13.99
		Downstream of Pomeroy Avenue Bridge	10.7	53.7	0.9	15.21
5/17/2005	66	Downstream of Lyman Street Bridge	76.9	132.5	2.5	13.88
		Downstream of Pomeroy Avenue Bridge	2.7	5.9	1.3	14.79
5/18/2005	62	Downstream of Lyman Street Bridge	22.2	134.3	2.8	13.66
		Downstream of Pomeroy Avenue Bridge	2.6	6.7	1.3	13.66
5/19/2005	58	Downstream of Lyman Street Bridge	13.2	22.1	4.3	14.08
		Downstream of Pomeroy Avenue Bridge	3.1	7.2	1.2	14.08
5/20/2005	59	Downstream of Lyman Street Bridge	111.8	1077.7	14.6	13.78
		Downstream of Pomeroy Avenue Bridge	2.4	6.4	1.2	13.96
5/21/2005	56	Downstream of Lyman Street Bridge	121.4	478.5	19.7	13.38
		Downstream of Pomeroy Avenue Bridge	1.4	1.7	1.3	13.45
5/22/2005	80	Downstream of Lyman Street Bridge	2.9	7.9	1.4	12.7
		Downstream of Pomeroy Avenue Bridge	4.0	11.0	1.7	12.90
5/23/2005	92	Downstream of Lyman Street Bridge	2.4	5.0	1.4	12.7
		Downstream of Pomeroy Avenue Bridge	2.5	8.0	1.5	12.52

Date	Flow at Coltsville (cfs)	Location	Turbidity (ntu)			Temperature Average (°C)
			Average	High	Low	
5/24/2005	120	Downstream of Lyman Street Bridge	125.0	729.7	2.7	11.9
		Downstream of Pomeroy Avenue Bridge	3.9	6.8	2.4	11.9
5/25/2005	175	Downstream of Lyman Street Bridge	4.2	6.0	1.9	10.56
		Downstream of Pomeroy Avenue Bridge	12.1	56.1	2.9	10.6
5/26/2005	150	Downstream of Lyman Street Bridge	5.5	8.6	3.8	10.59
		Downstream of Pomeroy Avenue Bridge	4.4	9.6	1.9	10.7
5/27/2005	138	Downstream of Lyman Street Bridge	5.1	8.5	1.9	12.3
		Downstream of Pomeroy Avenue Bridge	3.1	12.1	1.2	13.0
5/28/2005	138	Downstream of Lyman Street Bridge	80.4	821.8	2.4	15.0
		Downstream of Pomeroy Avenue Bridge	1.7	2.3	1.3	15.2
5/29/2005	120	Downstream of Lyman Street Bridge	65.7	229.2	5.9	15.35
		Downstream of Pomeroy Avenue Bridge	2.0	4.7	1.3	15.60
5/30/2005	96	Downstream of Lyman Street Bridge	62.6	701.0	2.1	15.29
		Downstream of Pomeroy Avenue Bridge	1.8	4.5	1.3	15.57
5/31/2005	82	Downstream of Lyman Street Bridge	13.9	39.2	2.3	14.80
		Downstream of Pomeroy Avenue Bridge	11.9	42.4	1.7	16.33

Notes:

**Turbidity Action Level - Average Downstream (Pomeroy Avenue)  $\geq$  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.

**Table 10 - Summary of Turbidity, PCB, and TSS Water Column Monitoring Results  
May 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	05/03/05	140	NS	NS	NS	NS	NS	NS	H0-SW000054-0-5Y03	NS	NS	NS
Downstream of Lyman St. Bridge	05/03/05	140	141.5	61.9	90.2	9.60	NS	NS	H2-SW000055-0-5Y03	<b>0.014</b>	ND(0.013)	<b>5.5</b>
Downstream of Pomeroy Ave. Bridge	05/03/05	140	5.6	3.8	5.0	9.80	151.0	146.9	H2-SW000052-0-5Y03	<b>0.059</b>	ND(0.014)	<b>3.6</b>
Downstream of Pomeroy Ave. Bridge (duplicate)	05/03/05	140	5.6	3.8	5.0	9.80	151.0	146.9	H2-SW000052-1-5Y03	<b>0.057</b>	NS	NS
Upstream of Newell St. Bridge	05/18/05	62	NS	NS	NS	NS	NS	NS	H0-SW000054-0-5Y18	ND(0.013)	ND(0.013)	<b>1.9</b>
Downstream of Lyman St. Bridge	05/18/05	62	134.3	2.8	22.2	13.66	NS	NS	H2-SW000055-0-5Y18	ND(0.013)	ND(0.013)	<b>1.7</b>
Downstream of Pomeroy Ave. Bridge	05/18/05	62	6.7	1.3	2.6	13.66	61.7	62.2	H2-SW000052-0-5Y18	<b>0.055</b>	ND(0.013)	<b>7.0</b>

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  
May 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-AR000007-0-5A29	background	29-Apr-05	ND(0.00288)	ND(0.00288)	ND(0.00288)	ND(0.00288)	ND(0.00288)
H2-AR000042-0-5A29	AR000042	29-Apr-05	ND(0.00433)	ND(0.00433)	ND(0.00433)	ND(0.00433)	ND(0.00433)
H2-AR000043-0-5A29	AR000043	29-Apr-05	ND(0.00288)	ND(0.00288)	ND(0.00288)	ND(0.00288)	ND(0.00288)
H2-AR000044-0-5A29	AR000044	29-Apr-05	ND(0.00297)	ND(0.00297)	ND(0.00297)	ND(0.00297)	ND(0.00297)
H2-AR000044-1-5A29	AR000044	29-Apr-05	ND(0.00284)	ND(0.00284)	ND(0.00284)	ND(0.00284)	ND(0.00284)
H2-AR000045-0-5A29	AR000045	29-Apr-05	ND(0.00282)	ND(0.00282)	ND(0.00282)	ND(0.00282)	ND(0.00282)
H2-AR000007-0-5Y20	background	20-May-05	ND(0.00286)	ND(0.00286)	ND(0.00286)	ND(0.00286)	ND(0.00286)
H2-AR000042-0-5Y20	AR000042	20-May-05	ND(0.00277)	ND(0.00277)	ND(0.00277)	ND(0.00277)	ND(0.00277)
H2-AR000043-0-5Y20	AR000043	20-May-05	ND(0.00286)	ND(0.00286)	ND(0.00286)	ND(0.00286)	ND(0.00286)
H2-AR000045-0-5Y20	AR000045	20-May-05	ND(0.00283)	ND(0.00283)	ND(0.00283)	ND(0.00283)	ND(0.00283)
H2-AR000046-0-5Y20	AR000046	20-May-05	ND(0.00284)	ND(0.00284)	<b>0.00709</b>	<b>0.00312</b>	<b>0.01021</b>
H2-AR000046-1-5Y20 (duplicate)	AR000046	20-May-05	ND(0.00296)	ND(0.00296)	<b>0.00652</b>	ND(0.00296)	<b>0.00652</b>

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  
May 2005 Monthly Report**

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

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

<b>Sample ID</b>	<b>Date Collected</b>	<b>Aroclor 1016, 1221, 1232, 1242, &amp; 1248</b>	<b>Aroclor 1254</b>	<b>Aroclor 1260</b>	<b>Total PCBs</b>
H2-XI000217-0-5Y11	11-May-05	ND(0.25)	<b>0.71</b>	<b>1.6</b>	<b>2.3</b>
H2-XI000218-0-5Y11	11-May-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)

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  
May 2005 Monthly Report  
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are presented in part per million, ppm)

<b>Sample ID</b>	H2-OT000255-0-5Y02	H2-OT000256-0-5Y02	H2-OT000257-0-5Y20	H2-OT000258-0-5Y20
<b>Sample type</b>	stockpile material characterization	stockpile material characterization	stockpile material characterization	stockpile material characterization
<b>Date Collected</b>	5/2/2005	5/2/2005	5/20/2005	5/20/2005
<b>Stockpile Location</b>	Building 65 Pile 2	Building 65 Pile 2	Area 64D	Area 64D
<b>Analyte</b>				
<b>PCBS</b>				
AROCLOR-1254	1.0	0.41	7.9	3.8
AROCLOR-1260	5.4	2.6	18.0	21.0
PCB, TOTAL	6.4	3.0	26.0	25.0
<b>INORGANICS</b>				
PAINT FILTER LIQUIDS (ml)	ABSENT	ABSENT	ABSENT	ABSENT
PERCENT SOLIDS (%)	88.4	85.6	82.3	85.6

Notes:

Only detected constituents are summarized



**Photograph 1 –Parcel I8-4-201/202 Restored Riverbank**



**Photograph 2 – Backfill Activities in Cell 26**



**Photograph 3 – Completed Backfill Activities in Cell 26**



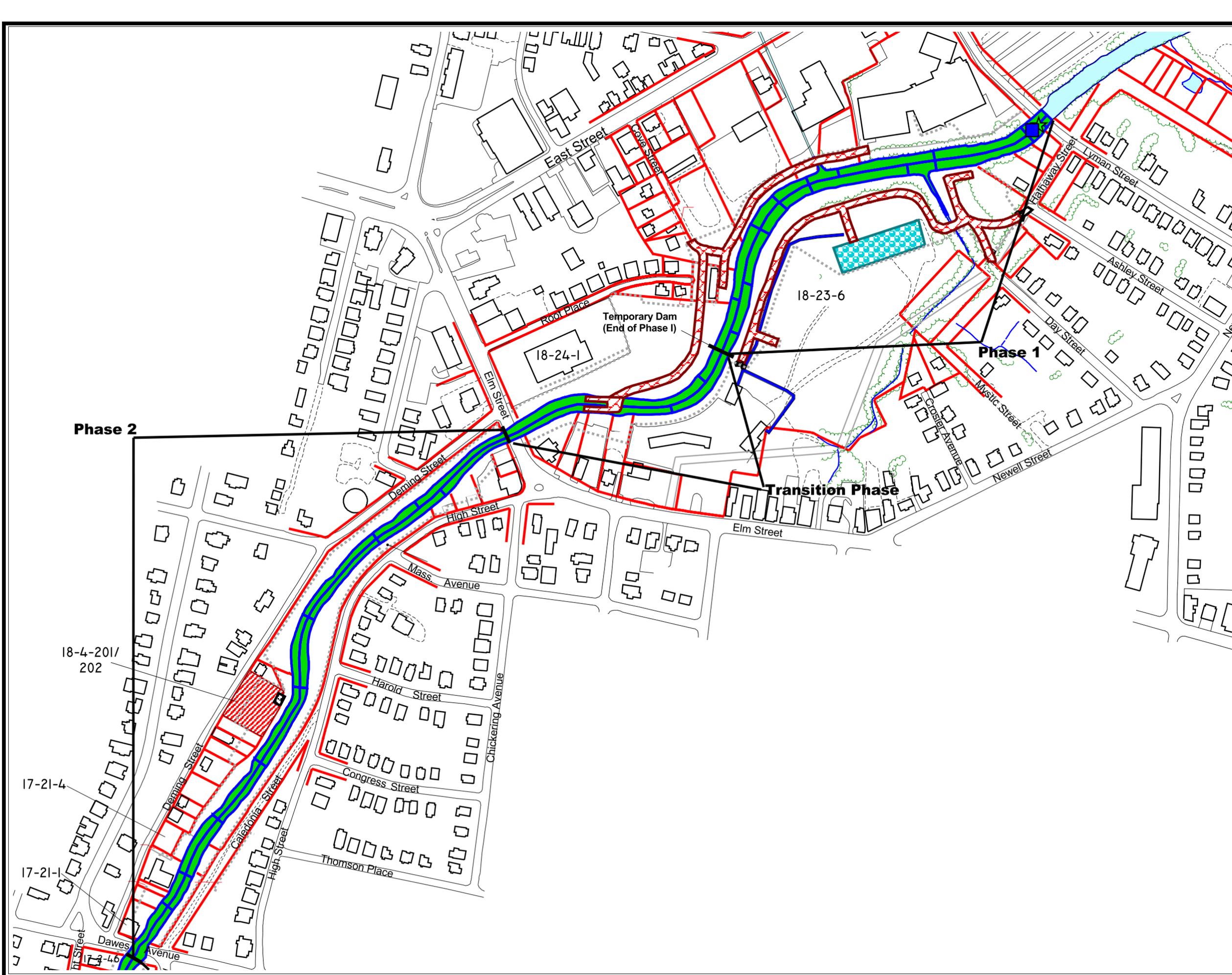
**Photograph 4 – Installation of the River Enhancement Structures in Cell 26**



**Photograph 5 – Excavation Activities in Cell 28**



**Photograph 6 – Removal of the Cell 28 Upstream Sheetpile Cutoff Wall**



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\*

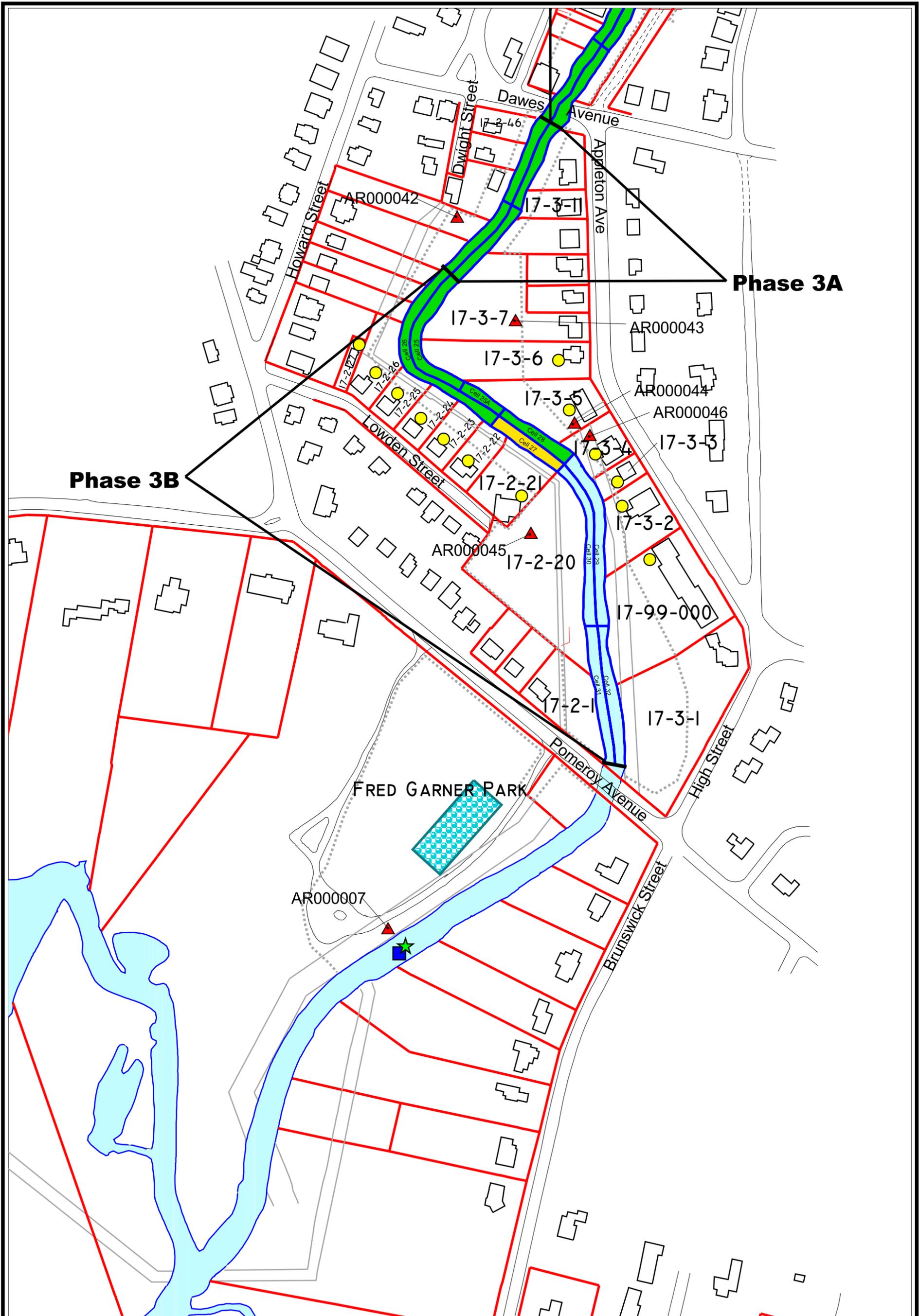
\*Note: As-built features were located using a real time GPS unit



Scale in Feet



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



**Phase 3B**

**Phase 3A**

FRED GARNER PARK

**LEGEND**

- Surface Water
- Water Treatment Plant
- Property Lines
- Work Completed
- Work In Progress
- Work Pending
- Fence line
- Roads
- Vibration Monitoring Locations
- Turbidity Monitoring Locations
- Water Monitoring Locations
- Air Monitoring Locations



Scale in Feet



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