

**United States Environmental Protection Agency
EPA New England
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September 16, 2005

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R. Howell, EPA (w/o attachments)
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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: August 2005 Monthly Report
1.5 Mile Reach Removal Action
GE-Pittsfield/Housatonic River Site

Enclosed please find the August 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 August 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 completion of backfill activities in Cell 30. The installation of the downstream sheetpile cutoff wall for Cell 31 was completed, and then the excavation and backfill activities in Cell 31 were completed. The installation of the sheetpile walls immediately upstream and downstream of the Pomeroy Avenue Bridge was completed and the excavation and backfill activities under Pomeroy Avenue Bridge (Cells 33 and 34) were completed. 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 July 2005, excavation activities in Cell 30 were completed and staking out of the backfill grades was initiated. During the first week of August, the backfilling of Cell 30 was completed. The riverbed and riverbank of Cell 30 was be backfilled as follows: The riverbed was backfilled with a layer of common fill to the design grade, followed by a nine-inch layer of filter material Type II, and a fifteen-inch layer of 9-inch riprap. The riverbanks were 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 967.0 feet to 967.5 feet above mean sea level (AMSL).

In areas where the riverbank extends beyond elevation 967.0 feet and 967.5 feet AMSL, the riverbank was backfilled with common fill to within 6-inches of final grade. The common fill was installed in twelve inch horizontal lifts and compacted to meet the 95% compaction requirement. GE will perform subsequent floodplain remediation in area abutting the riverbank. Since this work will likely impact the riverbank restoration, a decision was made not to install the 6-inch layer of topsoil, herbaceous seed and erosion control blankets until after GE performs their excavation and backfill activities. Also, prior to backfilling this area, a layer of geotextile was installed along the face of the excavation in this area to demarcate the limit of excavation. Silt fencing was installed along the top of the riverbank of Cell 30.

The surveyors monitored the backfilling activities in Cell 30 to ensure appropriate design backfill grades were achieved. Once the backfilling activities were completed the final restoration verification survey was performed.

Also, work associated with the pre-excavation topographical survey in Phase 3C continued.

Also during the first week of August the downstream sheetpile cutoff wall for Cell 31 was installed. Once Cell 31 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 water treatment system (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 31.

Other activities during the first week of August included the removal of temporary fencing from Parcel I8-4-4 and Parcels I8-4-201/I8-4-202. With the exception of the fence and gate located at the entrance to Parcel I8-4-201/202. A permanent four-foot green vinyl coated chain link fence was installed along the property line between Parcel I8-4-4 and Parcels I8-4-201/I8-4-202. Decontamination of large boulders segregated from excavated materials was completed. These boulders will be used as river enhancement structures in the future. In addition, lawn restoration on Parcel I7-2-25 and Parcel I7-2-24 was completed, topsoil was installed to level the lawn area and the lawns were hand seeded. The removal of the purple loosestrife along the east and the west riverbanks in Phase 1 continued.

During the second week of August, excavation activities in Cell 31 were completed. A small section of the floodplain in Cell 31 adjacent to the top of riverbank where GE anticipates performing subsequent remediation on residential floodplains was remediated and restored by EPA's contractors. 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 south, Area 64D north and Area 64B north stockpile management areas. (See Table 1 for quantities of material generated in the month of August 2005 and Table 2 for quantities of material generated to date.)

The total amount of material excavated from Cell 31 in the "GE floodplain area" was 117 cy. The design excavation quantity in the "GE floodplain area" was 114 cy. The excavation contractor over excavated 3 cy of soil. GE will only be responsible for the excavation cost for the 114 cy of material. However, GE will be responsible for OPCA disposal costs for 117 cy.

The surveyors monitored the excavation activities in Cell 31 to ensure appropriate design excavation depths were achieved. Once the excavation activities were completed, the final excavation verification survey was performed in Cell 31, staking out of the backfill grades was completed. Once the backfill stakes were installed the backfilling activities in Cell 31 were initiated.

First a ramp was built on the riverbank of Cell 31 to allow access to the riverbed during the backfill activities. The ramp was built by using common fill and filter material. The riverbed and riverbank of Cell 31 will be backfilled as follows: 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 a fifteen-inch layer of 9-inch riprap. The riverbanks 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 966.5 feet to 967.0 feet AMSL.

In areas where the riverbank extends beyond elevation 966.5 feet and 967.0 feet AMSL, the riverbank was backfilled with common fill to within 6-inches of final grade. The common fill was installed in twelve inch horizontal lifts and compacted to meet the 95% compaction requirement. GE will perform subsequent floodplain remediation in area abutting the riverbank. Since this work will likely impact the riverbank restoration, a decision was made not to install the 6-inch layer of topsoil, herbaceous seed and erosion control blankets until after GE performs their excavation and backfill activities. Also, prior to backfilling this area, a layer of geotextile was installed along the face of the excavation in this area to demarcate the limit of excavation. Silt fencing was installed along the top of the riverbank of Cell 30.

Also during the second week of August preparation activities for the remediation under the Pomeroy Avenue Bridge (Cells 33 and 34) were initiated. The area under the Pomeroy Bridge will be dammed off by two sheetpile walls and excavated in the dry. One sheetpile wall will be located approximately 20 feet upstream of the bridge and the other approximately 50 feet downstream of the bridge. Stop logs will be added to the temporary river diversion dam to control the river flow during the remediation activities in Cells 33 and 34. A 12-inch HDPE pipe dewatering system including two 12-inch silenced pumps will be used to control and divert the river water around Cells 33 and 34. Activities associated with fusion welding and installation of the 12-inch HDPE pipe dewatering system was initiated. A large sump was built at the downstream end of Cell 31 to aid in the dewatering system for Cells 33 and 34. The sump is where the dammed water will collect before being diverted downstream of Cells 33 and 34. During the installation of the sump additional material was excavated from the riverbed, the excavated material was assumed to be non-TSCA material not characterized for off-site disposal and transported to Area 64D south stockpile management areas.

Other activities during the second week of August included the removal of site security fencing along High Street in Phase 2. The installation of permanent fencing on Parcel I7-3-4 was completed. New four-foot high green vinyl chain link fence was installed along the top of the riverbank, six-foot vinyl stockade fence was re-installed along the north property boundary line and two sections of new wood stockade fence was installed along the south property boundary line. Also, a wood guardrail was installed in line with the driveway/sewer easement on Parcel I7-3-4.

Lawn restoration on Parcel I7-2-23 and Parcel I7-2-22 was completed, topsoil was installed to level the lawn area and the lawns were hand seeded. In addition, the disturbed lawn area on Parcel I8-4-4 was re-seeded and re-mulched. The removal of the purple loosestrife along the east and the west riverbanks in Phase 1 continued.

Activities associated with the construction of a temporary building for the WTS sand and carbon filter tanks continued. The temporary building is to be constructed around the WTS filter tanks to prevent freezing during the winter months.

Also, a level stone pad was built from dense grade/airport mix material on Parcel I7-3-7 to be the base for the storage shed on the parcel. The shed was moved prior to remediation activities on the parcel to allow access for construction activities. Once the stone pad was built the shed was moved onto the stone pad.

During the third week of August, backfilling activities in Cell 31 were completed in accordance with the backfill configurations described above. Silt fencing was installed along the top of the riverbank of Cell 31.

The surveyors monitored the backfilling activities in Cell 31 to ensure appropriate design backfill grades were achieved. Once the backfilling was completed, the final restoration verification survey was completed. A layer of 12-inch temporary erosion control riprap was placed at the downstream end of Cell 31, at the interface between Cell 31 and the unexcavated area under the Pomeroy Avenue Bridge, to avoid any potential erosion when the cutoff sheetpile walls are removed and the river channel is open for full river flow.

During the final restoration verification survey in Cell 30 it was discovered that the layer of 18-inch riprap on the riverbank was not placed to the restoration design grade. Therefore, during the third week of August the placement of the additional 18-inch riprap was completed to bring the restoration grade to the design level.

The installation of the river enhancement structures in Cell 30 and Cell 31 was completed.

Also, preparation activities for the remediation under the Pomeroy Avenue Bridge continued. The installation of the downstream sheetpile cutoff wall for Cells 33 and 34 was initiated. Activities associated with fusion welding and installation of the 12-inch HDPE pipe dewatering system for the excavation and backfill activities continued. Two 12-inch silenced pumps were placed next to the Pomeroy Avenue Bridge and the connection of the suction and discharge pipe was initiated.

In addition, during the third week of August site preparation activities in Phase 3C were initiated. Staking out the limit of work in Phase 3C was initiated. Installation of the Phase 3C site security fence was initiated. The tree clearing and grubbing activities along the riverbanks in Phase 3C were initiated. The construction of the river crossing was initiated. The river crossing was built by using seven fifty-foot sections of the 54-inch HDPE pipe, setting the pipe pieces across the river channel and filling in the spaces between the pipe pieces with ramp material (filter stone, dense grade/airport mix and 9-inch riprap).

Work associated with the pre-excavation topographical survey in Phase 3C continued.

The semi-annual riverbank restoration inspection was completed in Phase 1 and Phase 2. The plant survival rate, herbaceous plant cover, river enhancement structures and riverbank erosion were inspected. The removal of the purple loosestrife along the east and the west riverbanks in Phase 1 continued.

During the fourth week of August, preparation activities for the remediation under the Pomeroy Avenue Bridge were completed. The installation of the upstream sheetpile cutoff wall for Cells 33 and 34 was completed and the area under the bridge was isolated. Activities associated with setting up the 12-inch HDPE pipe dewatering system for the excavation and backfill activities were completed and the dewatering of the cells was 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. The river diversion system also became operational and started to divert the river

water from the sump located in Cell 31 to downstream of the Pomeroy Avenue Bridge. An 18-inch riprap energy dissipater was built at the downstream end of the cells, directly adjacent to the downstream sheetpile cutoff wall which also is the discharge point of the Cell 33 and Cell 34 river diversion and dewatering system to prevent erosion.

Sumps and trenches were installed in cells 33 and 34 to aid the dewatering process. Once the dewatering was completed, the survey contractor completed the delineation of non-TSCA and TSCA excavation areas in Cells 33 and 34 and excavation activities were completed. 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 north, Area 64B and Area 64C stockpile management areas and the material characterized for off-site disposal was transported to Building 65 stockpile management area.

The surveyors monitored the excavation activities in Cells 33 and 34 to ensure appropriate design excavation depths were achieved. Once the excavation activities were completed, the final excavation verification survey was performed in Cells 33 and 34, staking out of the backfill grades was completed. Once the backfill stakes were installed the backfilling activities in Cells 33 and 34 were completed.

The riverbed and riverbank of Cells 33 and 34 were be backfilled as follows: The riverbed was backfilled with a layer of common fill to the design grade, followed by a nine-inch layer of filter material Type II, and a fifteen-inch layer of 9-inch riprap. The riverbanks was 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 966.5 feet AMSL.

In areas where the riverbank extends beyond elevation 966.5 feet AMSL, the riverbank was backfilled with common fill to within 6-inches of final grade. The common fill was installed in twelve inch horizontal lifts and compacted to meet the 95% compaction requirement. Areas of the riverbank in Cell 34, located downstream of the Pomeroy Avenue Bridge with slopes steeper than 2H:1V required cellular geoweb. Once the geoweb was installed the entire riverbank was backfilled with a 6-inch layer of topsoil, then herbaceous seed and erosion control blankets were placed.

The surveyors monitored the backfilling activities in Cells 33 and 34 to ensure appropriate design backfill grades were achieved. Once the backfilling activities were completed, silt fencing was installed along the top of the riverbanks of Cells 33 and 34 and the final restoration verification survey was performed.

The removal of the Cell 30 and Cell 31 centerline sheetpile walls was initiated and the removal of the Cell 30 upstream and downstream cutoff walls was completed.

In addition, during the fourth week of August site preparation activities in Phase 3C continued. Staking out the limit of work in Phase 3C continued. Installation of the Phase 3C site security fence continued and the trees clearing and grubbing activities along the riverbanks in Phase 3C continued.

Additional restoration activities on Parcel I7-2-25 and Parcel I7-3-4 were performed. A blue spruce and a rhododendron were planted on Parcel I7-2-25. In addition, the hosta and lily plants that were removed from the property during the remediation activities were now replanted. A large birch tree, a forsythia bush and a rose bush were planted on Parcel I7-3-4. All newly planted trees and plants were watered and mulched.

During the last week of August, the Cell 33 and Cell 34 river diversion system and dewatering system were removed from the Pomeroy Avenue Bridge area. The entire upstream sheetpile cutoff wall and the west side of the downstream sheetpile cutoff wall were removed from Cells 33 and 34 opening the river to flow through the west side of the river channel. The east side of the downstream sheetpile wall will be used as the upstream cutoff wall for the future Cell 35.

The removal of the Cell 30 and Cell 31 centerline sheetpile walls was completed.

In addition, during the last week of August site preparation activities in Phase 3C continued. The installation of the site security fencing and tree clearing and grubbing activities along the riverbanks in Phase 3C continued. The construction of the river crossing in Phase 3C was completed. A twenty-four inch layer of 9-inch riprap and a twelve-inch layer of dense grade/airport mix were placed on top of the crossing. Also, approximately 30 cy material was removed from the east riverbank at the river crossing to create a gradual slope from the access road to the river crossing. The excavated material was assumed to be non-TSCA not characterized for off-site disposal and transferred to the Building 65 stockpile management area. Also, the transfer of construction equipment and materials from the Phase 3B to Phase 3C staging areas was initiated. The disassembly of the 250-ton crane was completed and the crane was moved to Phase 3C staging area.

In addition, the WTP force main was moved from Phase 3B to Phase 3C. The fusion welding of the 8-inch HPDE pipe for the WTS discharge line extension was initiated. The new WTS discharge point will be located approximately 100 feet pass the confluence of the east and the west branches of the Housatonic River.

The survey contractor initiated the lay out of the centerline sheetpile wall for Cells 35, 36, 37 and 38. Also, work associated with the pre-excavation topographical survey in Phase 3C continued.

During the month of August, the WTS operations continued. The WTS treated water from Cells 30, 31, 33 and 34. Sampling of the WTS for parameters included in the NPDES exclusion permit was performed on August 11, 2005. Air monitoring for particulate matter (PM10 sampling) and surface water turbidity monitoring were performed on a daily basis during the month of August. Surface water sampling for total suspended solids (TSS) and PCBs was performed on August 10, 2005 and August 16, 2005. (Due to the remediation activities progressing downstream towards Phase 3C, the downstream surface water sampling location was moved from the Pomeroy Avenue Bridge to Holmes Avenue Bridge). The monthly PCB air-monitoring event was performed on August 11, 2005. PCB wipe samples were collected on the 54-inch HDPE Pipe and pipe flanges on August 02, 2005. Equipment decontamination confirmation PCB wipe samples were collected on August 15, 2005. On August 08, 2005, August 12, 2005, August 24, 2005 and August 25, 2005, six eight-point composite post excavation off-site disposal characterization samples were collected from the riverbed and

riverbank materials excavated from Cells 31, 33 and 34 (stockpiled in Area 64D, Area 64B and Area 64C).

During the month of July, in-situ disposal characterization sampling of riverbanks in Phase 3C was completed. Seven riverbank soil composite samples were collected during the original sampling efforts. The initial round of in-situ data revealed three areas on the riverbanks with total PCB results above 50ppm. The areas represented by these three in-situ samples were subdivided into two new areas each, therefore creating additional six areas to be sampled. Two of the additional areas were sampled in July. On August 16, 2005 the remaining four areas were sampled. The riverbank samples were collected to be analyzed for PCB and physical characteristics.

The transfer of TSCA materials from the Area 64A, Building 63, Area 64D and Area 64C stockpile management areas to the Building 71 OPCA was performed from August 01, 2005 to August 22, 2005. (See Table 3 for a summary of material transported to the OPCAs during the month of August 2005 and Table 4 for a summary of material transported to the OPCAs for the project through August 2005.)

The non-TSCA materials from the Area 64D, Area 64B, Area 64C and Building 65 stockpile management areas were transported to the Seneca Meadows Landfill, Waterloo, N.Y. from August 10, 2005 to August 23, 2005. (See Table 5 for a summary of material transported to the Seneca Meadows Landfill, Waterloo, N.Y. during the month of August 2005).

Vibration monitoring activities were completed in Phase 3B and Phase 3C 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 August. 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 August.

3. Sampling/test results received

Table 6 contains a summary of the PCB samples collected for the water treatment system sampling program on August 11, 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 August 10, 2005 are presented in Table 10. The sample results for the water column sample collected on August 16, 2005 are not yet available. Summary of the PCB air sampling conducted on July 27, 2005 and August 11, 2005 are provided in Table 11. Table 12 contains results for equipment confirmatory wipe samples.

Sample results associated with the 54-inch HDPE Pipe wipe sampling are presented in Table 13. Post-excavation off-site disposal characterization sample results for the riverbed and riverbank materials excavated from Cells 31, 33 and 34 (stockpiled in Area 64D, Area 64B and Area 64C) collected August 08, 2005, August 12, 2005, August 24, 2005 and August 25, 2005 are summarized in Table 14. The in-situ disposal characterization sample results of the riverbanks in Phase 3C are presented in Table 15.

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

Weston received a vibration monitoring summary reports for the months of August 2005 from Vibra-Tech, Inc. During this period, six seismographs were set up in Phase 3B and 3C to monitor structures on several properties and the Pomeroy Avenue Bridge within a 200-foot radius of the sheetpile installation activities. The following properties were monitored: Parcels I7-2-21; I7-2-2; I7-2-1; I7-1-5; I6-1-69; I6-1-69 and I7-99-000. 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 the Pomeroy Avenue Bridge, one exceedance on August 16, 2005 and the other on August 18, 2005. The two exceedances occurred during one-minute increments and since they were not continuous it was recommended by Vibra-Tech that no action be taken. Also, two exceedances occurred on Parcel I7-1-5, one on August 24, 2005 and the other on August 26, 2005. The two exceedances were single one-minute events as well and its believed they were caused by a technician checking the seismograph unit, therefore was not related to construction activities.

6. Photo documentation of activities performed

See attached photos.

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

- Continue tree clearing and grubbing activities in Phase 3C.
- Initiate the construction of access roads and staging areas in Phase 3C.
- Complete the installation of the centerline sheetpile walls for Cells 35 and 36.
- Complete the installation of the downstream sheetpile wall for Cells 35.
- Initiate and complete excavation and backfilling activities in Cell 35.
- Remove the upstream and downstream sheetpile cutoff walls for Cell 35.
- Complete the installation of the upstream and downstream sheetpile wall for Cells 36.
- Complete the installation of centerline sheetpile wall for Cells 37 and 38.
- Initiate and complete excavation activities in Cell 36.
- Initiate backfilling activities in Cell 36.
- 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 3C.

8. ATTACHMENTS TO THIS REPORT

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

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

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

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 August

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. 54-inch HDPE Pipe Wipe Sample Results

Table 14. Post-Excavation Soil/Sediment Stockpile Characterization Analytical Results

Table 15. Additional In-situ Riverbank Characterization Sampling 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 August
August 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				
08/08/05	Cell 31	330	70	0
08/09/05	Cell 31	150	180	0
08/10/05	Cell 31	180	170	0
08/11/05	Cell 31	60	0	0
08/12/05	Cell 31	10	0	0
08/23/05	Cell 33/34	650	10	0
08/24/05	Cell 33/34	280	20	0
08/31/05	River crossing	30	0	0
	Monthly total from bank soil and sediment	1,690	450	0

Note:

All quantities are in compacted or "in-place" cubic yards. All loads are estimated at 10cy per truck. Includes 117cy from Cell 31 of material removed from the "GE Floodplain Area".

**Table 2 - Quantity of Bank and Sediment Material Excavated to Date
August 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
04/12/05 to 04/19/05	Cell 25A^	419	127	0	546
04/27/05 to 05/04/05	Cell 26^	2,199	357	0	2,556
05/17/05 to 05/20/06	Cell 28	1,281	187	0	1,468
06/01/05 to 06/03/05	Cell 27	1,062	109	0	1,171
06/14/05 to 06/20/05	Cell 29	1,738	241	0	1,979
07/05/05 to 07/13/05	Cell 32^	1,540	541	0	2,081
07/25/05 to 07/28/05	Cell 30^	1,558	304	0	1,862
08/08/05 to 08/12/05	Cell 31^	1,689	211	0	1,900
Total		53,672	11,501	6,949	72,122

Note:

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

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

**Table 3 - Quantity of Material Transferred to OPCAs During the Month of August
August 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			
08/01/05	27	0	297
08/11/05	11	0	121
08/12/05	23	0	253
08/19/05	48	0	528
08/22/05	33	0	363
Monthly totals	142	0	1,562

Note:

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

(1) Estimated at 11 cy per truck

Includes 11 truckloads (117cy) of material generated from "GE Floodplain Area".

**Table 4 - Quantity of Material Transferred to OPCAs to Date
August 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)
05/05/05 to 05/23/05	Stockpile Management Area **	0	1,067 (3)
6/27/05	Stockpile Management Area	0	154 (3)
07/07/05 to 07/29/05	Stockpile Management Area***	0	1,807 (3)
08/01/05 to 08/22/05	Stockpile Management Area****	0	1,445 (3)
Project Totals		28,238	18,108

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".

***- Excludes the 20 (217cy) truck loads of the "GE Floodplain Area".

****- Excludes the 11 (117cy) 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 August
August 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)
08/10/05	0520SM	Cell 30 Area 64Csouth	29.87
08/10/05	0521SM	Cell 29 Area 64D (area 64B north)	29.71
08/10/05	0522SM	Cell 29 Area 64D (area 64B north)	31.75
08/10/05	0523SM	Cell 30 Area 64Csouth	30.76
08/10/05	0524SM	Cell 30 Area 64Csouth	30.38
08/10/05	0525SM	Cell 30 Area 64Csouth	30.94
08/10/05	0526SM	Cell 30 Area 64Csouth	31.57
08/10/05	0527SM	Cell 30 Area 64Csouth	29.66
08/10/05	0528SM	Cell 30 Area 64Csouth	27.81
08/10/05	0529SM	Cell 30 Area 64Csouth	31.63
08/11/05	0530SM	Cell 30 Area 64Csouth	30.69
08/11/05	0531SM	Cell 30 Area 64Csouth	29.80
08/11/05	0532SM	Cell 30 Area 64Csouth	31.25
08/11/05	0533SM	Cell 30 Area 64Csouth	31.70
08/11/05	0534SM	Cell 30 Area 64Csouth	30.44
08/11/05	0535SM	Cell 30 Area 64Csouth	29.92
08/11/05	0536SM	Cell 30 Area 64Csouth	30.74
08/11/05	0537SM	Cell 30 Area 64Csouth	31.83
08/11/05	0538SM	Cell 30 Area 64Csouth	33.32
08/11/05	0539SM	Cell 30 Area 64Csouth	29.50
08/12/05	0540SM	Cell 30 Area 64Csouth	30.97
08/12/05	0541SM	Cell 30 Area 64Csouth	29.77
08/12/05	0542SM	Cell 30 Area 64Csouth	31.45
08/12/05	0543SM	Cell 30 Area 64Csouth	30.74
08/19/05	0544SM	Cell 31 Area 64Bnorth	31.00
08/19/05	0545SM	Cell 31 Area 64Bnorth	32.65
08/19/05	0546SM	Cell 31 Area 64Bnorth	29.20
08/19/05	0547SM	Cell 31 Area 64Bnorth	30.04
08/19/05	0548SM	Cell 31 Area 64Bnorth	32.56
08/19/05	0549SM	Cell 31 Area 64Bnorth	32.00
08/19/05	0550SM	Cell 31 Area 64Bnorth	33.43
08/19/05	0551SM	Cell 31 Area 64Bnorth	29.42
08/19/05	0552SM	Cell 31 Area 64Bnorth	33.27
08/19/05	0553SM	Cell 31 Area 64Bnorth	31.50
08/22/05	0554SM	Cell 31 Area 64Bnorth	31.89
08/22/05	0555SM	Cell 31 Area 64Bnorth	32.98
08/22/05	0556SM	Cell 31 Area 64Bnorth	32.21
08/22/05	0557SM	Cell 31 Area 64Bnorth	30.06
08/22/05	0558SM	Cell 31 Area 64Bnorth	32.22

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
08/22/05	0559SM	Cell 31 Area 64Bnorth	31.13
08/22/05	0560SM	Cell 31 Area 64Bnorth	31.65
08/22/05	0561SM	Cell 31 Area 64Bnorth	30.50
08/22/05	0562SM	Cell 31 Area 64Bnorth	28.38
08/22/05	0563SM	Cell 31 Area 64Bnorth	29.02
08/23/05	0564SM	Cell 31 Area 64Bnorth	30.94
08/23/05	0565SM	Cell 31 Area 64Bnorth	29.90
08/23/05	0566SM	Cell 31 Area 64Bnorth	30.96
08/23/05	0567SM	Insitu Cell 30, Building 65	30.94
08/23/05	0568SM	Insitu Cell 30, Building 65	33.20
Total of Material Disposed			1,517.25

(1) Net weights established at the disposal facility

**Table 6- NPDES Sampling Results for Water Treatment System
August 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-WW000001-0-5G11	Influent	11-Aug-05	ND(2.6)	ND(2.6)	3.4 J	36.0	39.0
H2-WW000002-0-5G11	Intermediate	11-Aug-05	ND(0.013)	ND(0.013)	ND(0.013)	0.039	0.039
H2-WW000003-0-5G11	Effluent	11-Aug-05	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.013)
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.

8/11/05 - monthly sampling

**Table 7 - Daily Air Monitoring Results
August 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)
8/1/2005	Upwind	0.000	5
	Downwind	0.085	5
	Background	--	--
8/2/2005	Upwind	0.000	7
	Downwind	0.018	7
	Background	--	--
8/3/2005	Upwind	0.000	6
	Downwind	0.024	6
	Background	0.001	3
8/4/2005	Upwind	0.018	6
	Downwind	0.032	6
	Background	0.005	6
8/5/2005	Upwind	##	##
	Downwind	##	##
	Background	##	##
8/6/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
8/7/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
8/8/2005	Upwind	0.038	8
	Downwind	0.068	8
	Background	0.001	8
8/9/2005	Upwind	0.046	7
	Downwind	0.047	7
	Background	0.002	7
8/10/2005	Upwind	0.000	7
	Downwind	0.036	7
	Background	0.002	7
8/11/2005	Upwind	0.005	7
	Downwind	0.026	7
	Background	0.019	6
8/12/2005	Upwind	##	##
	Downwind	##	##
	Background	##	##
8/13/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
8/14/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
8/15/2005	Upwind	0.005	6
	Downwind	0.001	6
	Background	0.000	6
8/16/2005	Upwind	--	--
	Downwind	--	--
	Background	--	--

Date Collected	Sample Location	Average Site Concentration (mg/m ³)	Average Period (Hours:Min)
8/17/2005	Upwind	0.003	7
	Downwind	0.005	7
	Background	DISCONTINUED	DISCONTINUED
8/18/2005	Upwind	0.004	6
	Downwind	0.005	6
	Background	DISCONTINUED	DISCONTINUED
8/19/2005	Upwind	0.005	6
	Downwind	0.002	6
	Background	DISCONTINUED	DISCONTINUED
8/20/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
8/21/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
8/22/2005	Upwind	0.003	7
	Downwind	0.003	7
	Background	DISCONTINUED	DISCONTINUED
8/23/2005	Upwind	0.008	9
	Downwind	0.004	9
	Background	DISCONTINUED	DISCONTINUED
8/24/2005	Upwind	0.004	9
	Downwind	0.011	9
	Background	DISCONTINUED	DISCONTINUED
8/25/2005	Upwind	0.002	9
	Downwind	0.006	9
	Background	DISCONTINUED	DISCONTINUED
8/26/2005	Upwind	0.030	10
	Downwind	--	--
	Background	DISCONTINUED	DISCONTINUED
8/27/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
8/28/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
8/29/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	DISCONTINUED	DISCONTINUED
8/30/2005	Upstream	N/A	N/A
	Downstream	N/A	N/A
	Background	DISCONTINUED	DISCONTINUED
8/31/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	DISCONTINUED	DISCONTINUED
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

- not deployed; no intrusive work performed

Background readings at Fred Garner Park were discontinued on 8/15/05 as the park became an active work area.

**Table 8 - Daily Noise Monitoring Results
August 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	
8/1/2005	--	--	--	--
8/2/2005	85	47.1	62.2	4.4
8/3/2005	78.6	43.8	57.5	6.8
8/4/2005	xx	xx	xx	xx
8/5/2005	xx	xx	xx	xx
8/6/2005	weekend	weekend	weekend	weekend
8/7/2005	weekend	weekend	weekend	weekend
8/8/2005	75.8	47.5	57.8	8.3
8/9/2005	85.5	53.4	68	7.2
8/10/2005	87.1	54	66.4	7.8
8/11/2005	xx	xx	xx	xx
8/12/2005	xx	xx	xx	xx
8/13/2005	weekend	weekend	weekend	weekend
8/14/2005	weekend	weekend	weekend	weekend
8/15/2005	88.2	51.1	64.7	6.7
8/16/2005	xx	xx	xx	xx
8/17/2005	82.2	57.3	69.9	7.7
8/18/2005	xx	xx	xx	xx
8/19/2005	76.8	43.2	52.4	6.7
8/20/2005	weekend	weekend	weekend	weekend
8/21/2005	weekend	weekend	weekend	weekend
8/22/2005	85.8	52.2	63.7	6.1
8/23/2005	xx	xx	xx	xx
8/24/2005	100.7	60.3	65	4.8
8/25/2005	94.5	59.1	66.1	9.5
8/26/2005	xx	xx	xx	xx
8/27/2005	weekend	weekend	weekend	weekend
8/28/2005	weekend	weekend	weekend	weekend
8/29/2005	N/A	N/A	N/A	N/A
8/30/2005	N/A	N/A	N/A	N/A
8/31/2005	N/A	N/A	N/A	N/A

Notes:

dBA - Decibel

N/A - Not deployed due to weather

--- - No readings due to technical errors

- Battery Died during sampling

** - No data due to Data Download

xx - No data due to minimal site activity/piledriving

Readings collected 8/29/095 were measured in dBC

**Table 9 - Daily Water Column Turbidity Monitoring Results
August 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	
8/1/2005	20	Downstream of Lyman Street Bridge	1.4	6.2	0.6	23.5
		Downstream of Pomeroy Avenue Bridge	2.8	5.3	2.1	20.50
8/2/2005	20	Downstream of Lyman Street Bridge	11.7	137.7	0.4	23.5
		Downstream of Pomeroy Avenue Bridge	30.3	71.1	3.7	22.36
8/3/2005	20	Downstream of Lyman Street Bridge	0.7	1.1	0.3	23.5
		Downstream of Pomeroy Avenue Bridge	146.6	603.2	8.1	23.3
8/4/2005	19	Downstream of Lyman Street Bridge	0.6	0.8	0.4	23.5
		Downstream of Pomeroy Avenue Bridge	157.1	1165.9	0.4	23.7
8/5/2005	18	Downstream of Lyman Street Bridge	0.5	1.1	0.3	23.50
		Downstream of Pomeroy Avenue Bridge	26.1	41.5	21.0	23.7
8/6/2005	18	Downstream of Lyman Street Bridge	0.7	1.3	0.4	23.50
		Downstream of Pomeroy Avenue Bridge	25.2	36.2	22.7	22.1
8/7/2005	17	Downstream of Lyman Street Bridge	1.5	14.7	0.1	23.50
		Downstream of Pomeroy Avenue Bridge	34.2	41.0	27.3	21.7
8/8/2005	18	Downstream of Lyman Street Bridge	10.2	83.7	0.3	23.50
		Downstream of Pomeroy Avenue Bridge	31.8	36.5	29.6	22.0
8/9/2005	17	Downstream of Lyman Street Bridge	0.2	0.6	-0.2	23.50
		Downstream of Pomeroy Avenue Bridge	35.7	61.1	0.3	22.5
8/10/2005	17	Downstream of Lyman Street Bridge	1.1	1.9	0.4	23.50
		Downstream of Pomeroy Avenue Bridge	43.4	487.6	-0.1	28.8
8/11/2005	18	Downstream of Lyman Street Bridge	54.0	352.1	-0.2	23.50
		Downstream of Pomeroy Avenue Bridge	0.9	1.7	0.3	23.7
8/12/2005	17	Downstream of Lyman Street Bridge	63.7	801.0	0.1	23.50
		Downstream of Pomeroy Avenue Bridge	1.2	2.3	0.6	23.5
8/13/2005	15	Downstream of Lyman Street Bridge	8.8	9.9	7.9	23.50
		Downstream of Pomeroy Avenue Bridge	0.7	1.3	0.1	24.3
8/14/2005	15	Downstream of Lyman Street Bridge	8.3	10.1	7.7	23.50
		Downstream of Pomeroy Avenue Bridge	0.9	2.8	0.4	24.52
8/15/2005	18	Downstream of Lyman Street Bridge	4.8	11.7	1.6	23.50
		Downstream of Pomeroy Avenue Bridge	5.5	8.5	3.3	22.58
8/16/2005	21	Downstream of Lyman Street Bridge	4.7	*	*	23.4
		Downstream of Holmes Road Bridge	2.9	*	*	#
8/17/2005	18	Downstream of Lyman Street Bridge	N/A	N/A	N/A	25.1
		Downstream of Holmes Road Bridge	N/A	N/A	N/A	N/A
8/18/2005	17	Downstream of Lyman Street Bridge	6.4	6.6	6.2	25.70
		Downstream of Holmes Road Bridge	9.3	14.5	4.2	#
8/19/2005	18	Downstream of Lyman Street Bridge	3.0	4.4	1.6	22.00
		Downstream of Holmes Road Bridge	3.0	3.1	2.9	#
8/20/2005	16	Downstream of Lyman Street Bridge	weekend	weekend	weekend	weekend
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	weekend
8/21/2005	17	Downstream of Lyman Street Bridge	weekend	weekend	weekend	weekend
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	weekend
8/22/2005	17	Downstream of Lyman Street Bridge	N/A	N/A	N/A	N/A
		Downstream of Holmes Road Bridge	N/A	N/A	N/A	N/A
8/23/2005	17	Downstream of Lyman Street Bridge	2.4	2.6	2.2	19.5
		Downstream of Holmes Road Bridge	1.7	1.9	1.6	#

Date	Flow at Coltsville (cfs)	Location	Turbidity (ntu)			Temperature Average (°C)
			Average	High	Low	
8/24/2005	16	Downstream of Lyman Street Bridge	2.2	2.3	2.1	18.2
		Downstream of Holmes Road Bridge	1.6	1.6	1.5	#
8/25/2005	16	Downstream of Lyman Street Bridge	2.1	2.8	1.5	18.00
		Downstream of Holmes Road Bridge	1.5	1.8	1.3	19.3
8/26/2005	16	Downstream of Lyman Street Bridge	1.0	1.2	0.7	18.20
		Downstream of Holmes Road Bridge	2.6	3.0	2.3	17.9
8/27/2005	14	Downstream of Lyman Street Bridge	weekend	weekend	weekend	weekend
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	weekend
8/28/2005	17	Downstream of Lyman Street Bridge	weekend	weekend	weekend	weekend
		Downstream of Holmes Road Bridge	weekend	weekend	weekend	weekend
8/29/2005	22	Downstream of Lyman Street Bridge	N/A	N/A	N/A	N/A
		Downstream of Holmes Road Bridge	N/A	N/A	N/A	N/A
8/30/2005	23	Downstream of Lyman Street Bridge	N/A	N/A	N/A	N/A
		Downstream of Holmes Road Bridge	N/A	N/A	N/A	N/A
8/31/2005	22	Downstream of Lyman Street Bridge	N/A	N/A	N/A	N/A
		Downstream of Holmes Road Bridge	N/A	N/A	N/A	N/A

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.

N/A - Data not collected: Dam Closed

Elevated readings at Pomeroy on 8/3 - 8/4 are due to water being pumped out of Cell 30 during backfill and the dam being closed resulting extremely low flows.

On 8/15, Automated sampling was permanently discontinued. Beginning on 8/15, readings will be collected twice a day with a manually. Also on 8/15 the downstream monitoring location was relocated to Holmes Road.

* - On 8/16, Turbidity sample was taken from composited water column monitoring samples, thus high and low data is not available.

- Temperatures were not collected at Holmes road between 8/16 and 8/25 as the transducer at that location was not present at that time.

**Table 10 - Summary of Turbidity, PCB, and TSS Water Column Monitoring Results
August 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	08/10/05	17	NS	NS	NS	NS	NS	NS	H0-SW000054-0-5G10	NS	NS	NS
Downstream of Lyman St. Bridge	08/10/05	17	1.9	0.4	1.1	23.5	NS	NS	H2-SW000055-0-5G10	ND(0.013)	ND(0.013)	2.9
Downstream of Pomeroy Ave. Bridge	08/10/05	17	487.6	-0.1	43.4	28.8	NA	NA	H2-SW000052-0-5G10	0.024	ND(0.013)	3.1
Upstream of Newell St. Bridge	08/16/05	21	NS	NS	NS	NS	NS	NS	H0-SW000054-0-5G16	NR	NR	NR
Downstream of Lyman St. Bridge	08/16/05	21	*	*	4.7	23.4	NS	NS	H2-SW000055-0-5G16	NR	NR	NR
Downstream of Holmes Rd. Bridge	08/16/05	21	*	*	2.9	#	NA	NA	H2-SW000006-0-5G16	NR	NR	NR
Downstream of Holmes Rd. Bridge (duplicate)	08/16/05	21	*	*	2.9	#	NA	NA	H2-SW000006-1-5G16	NS	NR	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

NR - Not yet reported

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.

NA - Staff Gage measurements are not recorded at Pomeroy Ave, as the Staff gage was removed during installation of the sheetpile centerline.

Flow estimates from the pressure transducer at the bridge would also be inaccurate due to the reconfiguration of the river channel due to the choking of the river for cells 29-32.

* - On 8/16, Turbidity sample was taken from composited water column monitoring samples, thus high and low data is not available.

- Temperatures were not collected at Holmes road between 8/16 and 8/25 as the transducer at that location was not present at that time.

**Table 11 - PCB Air Sampling Results
August 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-AR000007-0-5L27	background	27-Jul-05	ND(0.00292)	ND(0.00292)	0.00584*	0.00438*	0.01022*
H2-AR000043-0-5L27	AR000043	27-Jul-05	ND(0.00290)	ND(0.00290)	0.00522*	0.00348*	0.00870*
H2-AR000045-0-5L27	AR000045	27-Jul-05	ND(0.00292)	ND(0.00292)	0.00526*	0.00380*	0.00906*
H2-AR000047-0-5L27	AR000047	27-Jul-05	ND(0.00284)	ND(0.00284)	0.00454*	0.00369*	0.00823*
H2-AR000047-1-5L27 (duplicate)	AR000047	27-Jul-05	ND(0.00284)	ND(0.00284)	0.00540*	0.00370*	0.00910*
H2-AR000048-0-5L27	AR000048	27-Jul-05	ND(0.00299)	ND(0.00299)	0.01048*	0.00719*	0.01767*
H2-AR000007-0-5G11	background	11-Aug-05	ND(0.00286)	ND(0.00286)	0.00543*	0.00400*	0.00943*
H2-AR000045-0-5G11	AR000045	11-Aug-05	ND(0.00485)	ND(0.00485)	0.00922*	0.00728*	0.01650*
H2-AR000047-0-5G11	AR000047	11-Aug-05	ND(0.00281)	ND(0.00281)	0.00590*	0.00477*	0.01067*
H2-AR000047-1-5G11(duplicate)	AR000047	11-Aug-05	ND(0.00282)	ND(0.00282)	0.00648*	0.00535*	0.01183*
H2-AR000048-0-5G11	AR000048	11-Aug-05	ND(0.00279)	ND(0.00279)	0.00419*	0.00279*	0.00698*
H2-AR000049-0-5G11	AR000049	11-Aug-05	ND(0.00280)	ND(0.00280)	0.00476*	0.00392*	0.00868*

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

* - Reported value may be biased due to apparent matrix interference.

**Table 12 - Equipment Confirmatory Wipe Samples
August 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-XI000248-0-5G15	15-Aug-05	ND(0.25)	ND(0.25)	0.61	0.61
H2-XI000249-0-5G15	15-Aug-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 - 54-inch HDPE Pipe Wipe Samples
August 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-XI000244-0-5G02	02-Aug-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000245-0-5G02	02-Aug-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000246-0-5G02	02-Aug-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000247-0-5G02	02-Aug-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 14 - Post Excavation Soil/ Sediment Stockpile Characterization Analytical Results
August 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-OT000285-0-5G08	H2-OT000286-0-5G12	H2-OT000287-0-5G12	H2-OT000292-0-5G24	H2-OT000293-0-5G25	H2-OT000294-0-5G25
Sample type	stockpile material characterization	stockpile material characterization (1)	stockpile material characterization	stockpile material characterization	stockpile material characterization	stockpile material characterization
Date Collected	8/8/2005	8/12/2005	8/12/2005	8/24/2005	8/25/2005	8/25/2005
Stockpile Location	Area 64B	Area 64D	Area 64D	Area 64D	Area 64B	Area 64C
Analyte						
PCBS						
AROCLOR-1254	2.7	5.8	NR	2.8	2.2	2.8
AROCLOR-1260	19.0	49.0	NR	20.0	10.0	12.0
PCB, TOTAL	22.0	55.0	NR	23.0	12.0	15.0
INORGANICS						
PAINT FILTER LIQUIDS (ml)	ABSENT	ABSENT	NR	ABSENT	ABSENT	ABSENT
PERCENT SOLIDS (%)	91.0%	87.0%	NR	88.4%	85.5%	86.8%

Notes:

Only detected constituents are summarized

(1) Material represented by this sample is classified as TSCA material. Material to be transported to GE's Building 71 OPCA.

NR - Not yet reported

**Table 15 - Additional In-situ Riverbank Characterization Sampling Analytical Results for Phase 3C
August 2005 Monthly Report
GE-Pittsfield/Housatonic River Project 1.5 Mile Removal Action
Pittsfield, MA**

(Results are presented in part per million, ppm)

Field Sample ID	H2-OT000288-0-5G16	H2-OT000289-0-5G16	H2-OT000290-0-5G16	H2-OT000291-0-5G16
Sample type	insitu characterization sampling (1)	insitu characterization sampling	insitu characterization sampling (1)	insitu characterization sampling
Date Collected	08/16/2005	08/16/2005	08/16/2005	08/16/2005
Analyte				
PCBS				
AROCLOR-1254	8.7	4.8	8.6	7.1
AROCLOR-1260	44.0	27.0	53.0	31.0
PCB, TOTAL	53.0	32.0	62.0	38.0
INORGANICS				
PAINT FILTER LIQUIDS (ml)	ABSENT	ABSENT	ABSENT	ABSENT
PERCENT SOLIDS (%)	81.2%	93.0%	90.5%	91.5%

Notes:

(1) Material contained within this sample area is re- classified as TSCA material. Material to be transported to GE's Building 71 OPCA. Only detected constituents are summarized



Photograph 1 – Overview of Completed Cells 31 and 32



Photograph 2 – Excavation Activities in Cells 33/34



Photograph 3 – Backfill Activities in Cells 33/34



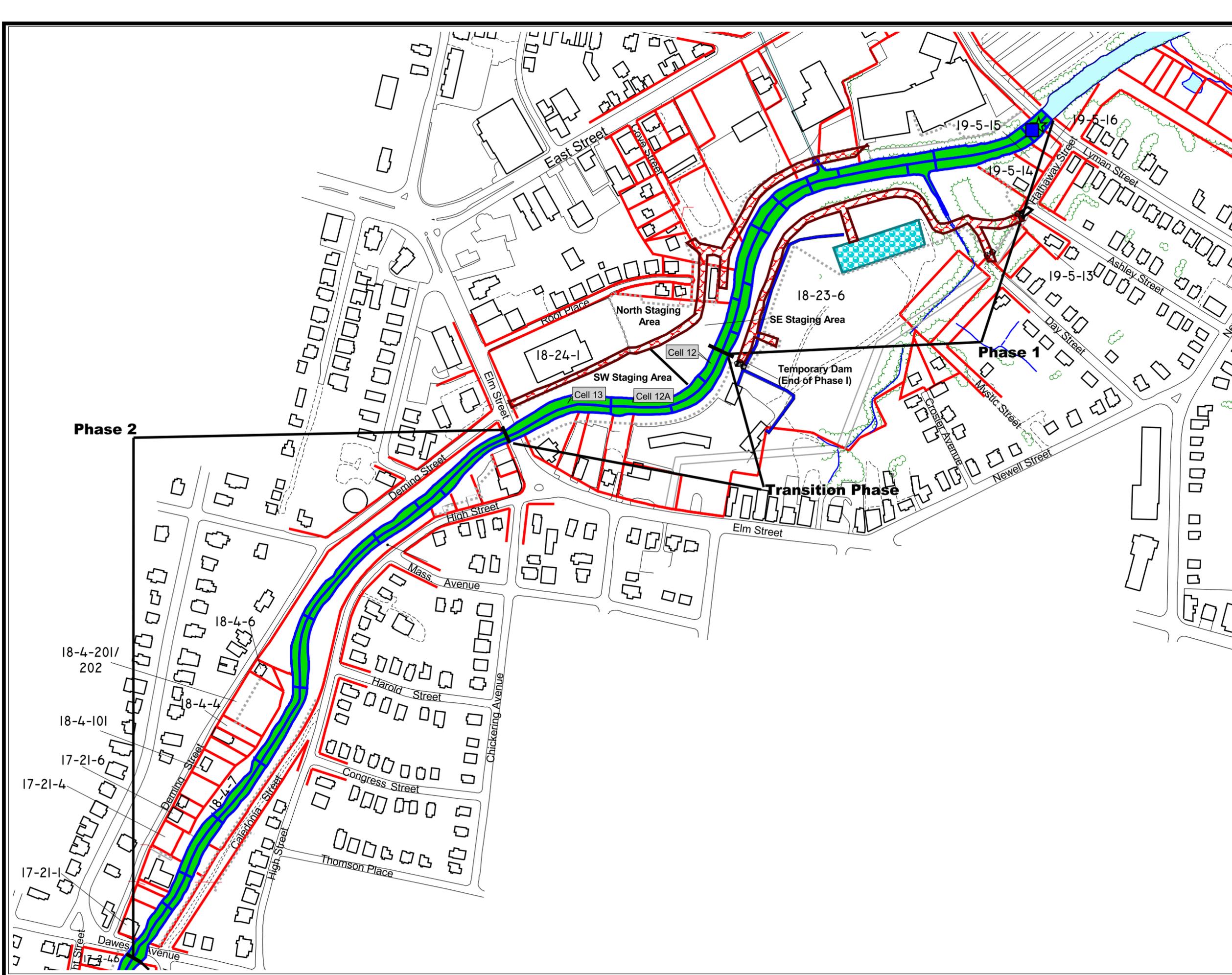
Photograph 4 – Backfill Activities in Cells 33/34



Photograph 5 – Phase 3C River Crossing



Photograph 6 – Phase 3C River Crossing



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*

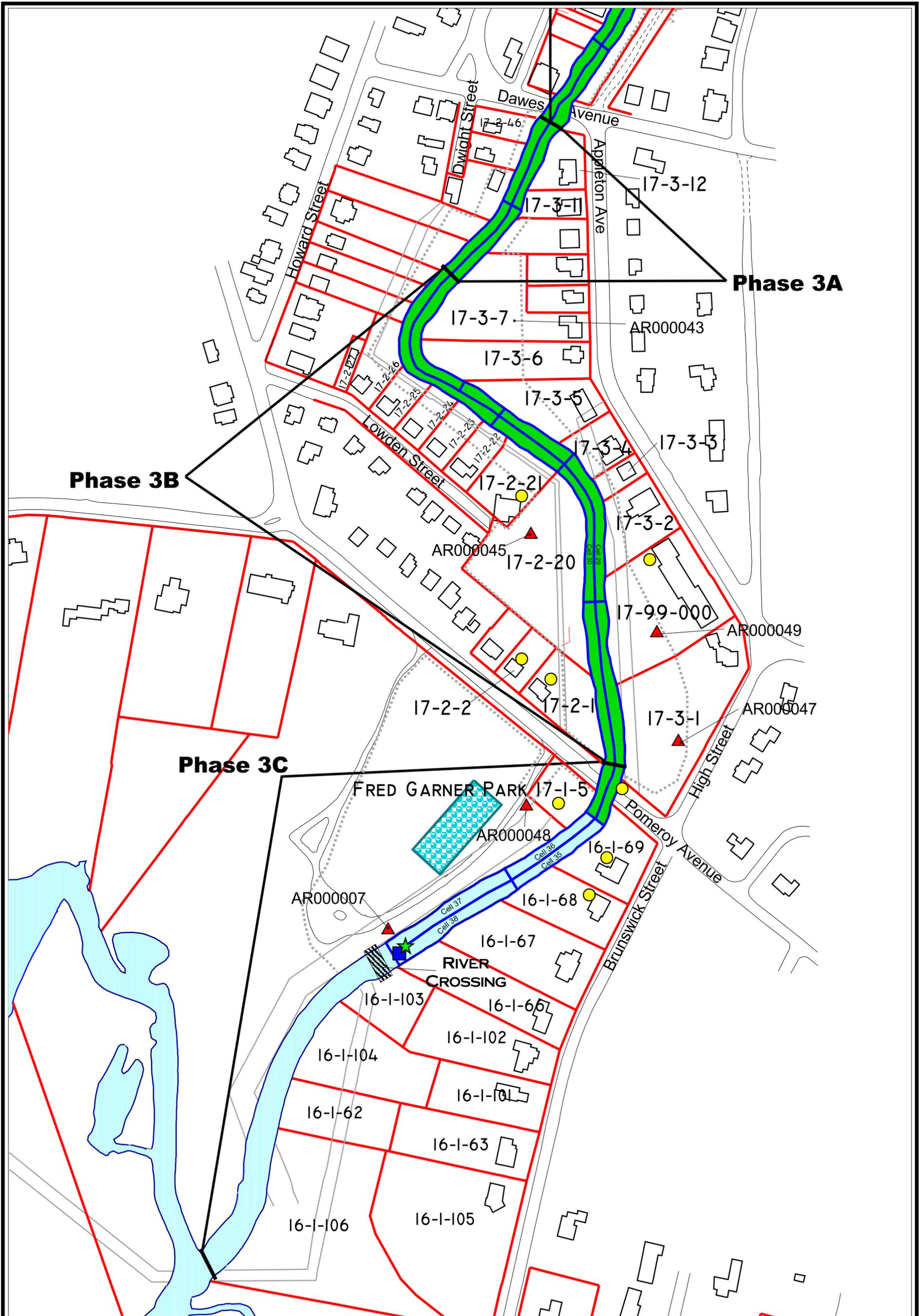
*Note: As-built features were located using a real time GPS unit



Scale in Feet



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



Phase 3B

Phase 3A

Phase 3C

FRED GARNER PARK 17-1-5

RIVER CROSSING

LEGEND

- Surface Water
- 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)
August 2005 Monthly Report