

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

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

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

Enclosed please find the July 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 July 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 Cell 32. The installation of the sheetpile cutoff walls for Cell 30 was completed and the excavation activities in Cell 30 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 June 2005, backfilling activities in Cell 29 were almost completed. During the first week of July, the backfilling of Cell 29 was completed. Silt fencing was installed along the top of the riverbank of Cell 29. The surveyors monitored the backfilling activities in Cell 29 to ensure appropriate design backfill grades were achieved. Once the backfilling activities were completed the final restoration verification survey was performed.

Also by the end of June Cell 32 was isolated and the dewatering activities in Cell 32 were initiated. During the first week of July, the dewatering activities continued.

Other activities during the first week of July included activities associated with decontamination of the 54-inch HDPE river diversion pipe. Removal of the airport mix/dense grade material and the underlying geotextile on Parcel I8-24-1 in the area southwest of the access road continued. The dense grade material was stockpiled on the Parcel for future use as road and access area material. The unsalvageable material was transported to the Area 64E stockpile management area.

During the second week of July, the dewatering activities in Cell 32 continued. 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 32 and the excavation activities in Cell 32 were initiated. A small section of the floodplain in Cell 32 adjacent to the top of riverbank where GE anticipates performing subsequent remediation on residential floodplains will be remediated and restored by EPA's contractors.

Most of the excavated TSCA material was transported to Area 64A and Building 63 stockpile management area. Some of the excavated TSCA material was transported directly to the Building 71 OPCA. The non-TSCA material characterized for off-site disposal was transported to Building 65 and the non-TSCA material not characterized for off-site disposal was transported

to Area 64C and Area 64B stockpile management areas. (See Table 1 for quantities of material generated in the month of July 2005 and Table 2 for quantities of material generated to date.)

The activities associated with delineating and laying out areas for future fall planting in Phase 3B were completed. Pin flags were installed for different tree and shrub species in Cells 25, 25A, 26, 27 and 28.

The restoration activities on Parcel I8-24-1 in the area southwest of the access road continued. The exposed original grade material was re-graded to create a slight drainage swale to reduce the chances of water ponding on the southwest section of the Parcel.

During the third week of July excavation activities in Cell 32 were completed. A 36-inch reinforced concrete sewer main pipe was uncovered during the riverbank excavation on the downstream end of the cell. The sewer pipe was located approximately 2.5 to 3 feet below grade. The design excavation grade in this area was 3 to 3.5 feet deep. To avoid adversely affecting the structural integrity of the sewer main, some material adjacent to and below the sewer main that was designated for removal was left in place. However a minimum of 3 feet of excavation and backfill was completed within the sewer main area. Most of the excavated TSCA material was transported to Building 63 stockpile management area. Some of the excavated TSCA material was transported directly to the Building 71 OPCA. The non-TSCA material characterized for off-site disposal was transported to Building 65 and the non-TSCA material not characterized for off-site disposal was transported to Area 64B stockpile management area.

The total amount of material excavated from Cell 32 in the "GE floodplain area" was 83 cy. The design excavation quantity in the "GE floodplain area" was 45 cy. The excavation contractor over excavated 38 cy of soil in this area primarily due to slope stability requirements. GE will only be responsible for the excavation cost for the 45 cy of material. However, GE will be responsible for OPCA disposal costs for 83 cy.

The surveyors monitored the excavation activities in Cell 32 to ensure appropriate design excavation depths were achieved. Once the excavation activities were completed, the final excavation verification survey was performed in Cell 32, staking out of the backfill grades was completed. Once the backfill stakes were installed the backfilling activities in Cell 32 were initiated.

First, a backfill access ramp was built on the riverbank of Cell 32. The ramp was built from common fill. The riverbed and riverbank of Cell 32 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 966.0 feet to 967.0 feet above mean sea level (AMSL).

In areas where the riverbank extends beyond elevation 966.0 feet and 967.0 feet AMSL, the riverbank will be backfilled with common fill to within 6-inches of final grade. The common fill will be 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 will be installed along the face of the excavation in this area to demarcate the limit of excavation.

Also during the third week of July the restoration activities on Parcel I8-24-1 in the area southwest of the access road continued. The area was regarded, large rocks were removed by using a “rock hound” in preparation for topsoil and hydroseeding. Also, silt fencing was installed around the perimeter of the restoration area to prevent erosion. Also, clean up efforts such as removal of construction debris and equipment from Phase 3B Parcels I7-2-22, I7-2-23 I7-2-24, I7-2-25 along west riverbank was preformed.

Activities associated with the construction of a temporary building for the water treatment system (WTS) sand and carbon filter tanks was initiated. The temporary building is to be constructed around the WTS filter tanks to prevent freezing.

Activities associated with decontamination of the 54-inch HDPE river diversion pipe continued.

Other activities during the third week of July included the removal of the security site fencing along High Street in Phase 2B. In addition, repairs and installation of new guard rail was completed along the riverbank where the security fence was removed. A guard rail was also installed along Deming Street in areas where there previously was no guard rail. The guard rail now extends all the way from Elm Street Bridge to Parcel I8-4-6.

In addition, work associated with abandoning of the PVC NAPL collection system in Cells 16 and 17 was completed. The collection system pipes were grouted. The system was abandoned because no visible NAPL was ever observed.

Lastly, removal of the purple loosestrife invasive plant species on Parcels I9-5-14, I9-5-15, I9-5-16 and I8-23-6 was completed.

During the fourth week of July, backfilling activities in Cell 32 were completed in accordance with the backfill configurations described above. The surveyors monitored the backfilling activities in Cell 32 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 32, at the interface between Cell 32 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.

The installation of some of the river enhancement structures in Cells 29 and 32 was performed. Additional aquatic enhancement structures will be placed at a later date.

The removal of the Cell 29 upstream sheetpile cutoff wall and the removal of the Cell 32 upstream/Cell 29 downstream sheetpile cutoff wall were completed and both Cell 29 and 32 were flooded.

Also, the upstream and downstream cutoff walls were installed in Cell 30. Once Cell 30 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.

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

Also, restoration efforts on Parcels I7-2-22, I7-2-23 I7-2-24, and I7-2-25 continued. A rock hound was to remove large rocks from the area. The area will be hand seeded and mulched in the future.

Clean up efforts and removal of construction debris and equipment from Parcel I7-2-21 in preparation for the final restoration was performed. The area was regarded, large rocks were removed (by using a rock hound). Also, the restoration activities on Parcel I8-24-1 in the area southwest of the access road continued. The area was hydroseeded and mulched.

Activities associated with building housing for the water treatment system (WTS) winterization continued.

Activities associated with decontamination of the 54-inch HDPE river diversion pipe continued.

The removal of a damaged pine tree and the installation of a replacement pine tree on Parcel I8-4-6 were completed. The removal of the security site fencing along Deming Street was initiated.

Activities associated with construction of a new entrance to the GE Lyman Street parking lot staging area were completed. A new entrance was necessary because the location of the existing one was too close to a catch basin, which was getting repeatedly damaged from the heavy traffic. Therefore, a shallow excavation was completed to prepare the new entrance way for paving. The excavated material was transported directly to the Building 71 OPCA. The area was then paved with a minimum 4-inch layer of asphalt. The gate to the GE Lyman Street parking lot staging area was then relocated to the new entrance.

In addition, the chipping of the tree and brush debris from the tree clearing in Phase 3B previously moved to GE Newell Street parking lot continued. The wood material generated during the chipping operation was transferred to the GE OPCA for use as daily cover material.

During the last week of July the dewatering activities in Cell 30 continued. 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 30 and the excavation activities in Cell 30 were completed. A small section of the floodplain in Cell 30 adjacent to the top of riverbank where GE anticipates performing subsequent remediation on residential floodplains will be remediated and restored by EPA's contractors.

The excavated TSCA material was transported to Area 64A stockpile management area. The non-TSCA material characterized for off-site disposal was transported to Building 65 and the non-TSCA material not characterized for off-site disposal was transported to Area 64C and Area 64D stockpile management areas.

The surveyors monitored the excavation activities in Cell 30 to ensure appropriate design excavation depths were achieved. Once the excavation activities were completed, the final excavation verification survey was performed in Cell 30, staking out of the backfill grades was initiated.

The total amount of material excavated from Cell 30 in the "GE floodplain area" was 134 cy. The design excavation quantity in the "GE floodplain area" was 132 cy. The excavation contractor over excavated 2 cy of soil in this area. GE will only be responsible for the excavation cost for the 132 cy of material. However, GE will be responsible for OPCA disposal costs for 134 cy.

Activities associated with decontamination of the 54-inch HDPE river diversion pipe continued. All of the 54-inch pipe sections have been decontaminated and the decontamination of the twelve 54-inch HDPE fittings was initiated.

Also, restoration efforts on Parcels I7-2-22, I7-2-23 I7-2-24, and I7-2-25 continued. A rock hound was to remove large rocks from the area. Topsoil will be required to level off the areas. The area will be hand seeded and mulched in the future.

Other activities during the last week of July included installation of additional 18-inch riprap on the riverbank of Cell 25 and 28 to re-grade the restored riverbank where the Cell 25/28 cutoff sheetpile wall was removed. Topsoil, herbaceous seed and erosion control blankets were also installed.

Activities associated with construction of a new entrance to the GE Lyman Street parking lot staging area continued. A new gate to the GE Lyman Street parking lot staging area and new security fence was installed.

In addition the removal of the security fencing along High Street was initiated.

During the month of July, the WTS operations continued. The WTS treated water from Cells 32 and 30. Sampling of the WTS for parameters included in the NPDES exclusion permit was performed on July 12, 2005. Air monitoring for particulate matter (PM10 sampling) and surface water turbidity monitoring were performed on a daily basis during the month of July. Surface water sampling for total suspended solids (TSS) and PCBs was performed on July 06, 2005 and July 20, 2005. The monthly PCB air-monitoring event was performed on July 27, 2005. PCB wipe samples were also collected on the 54-inch HDPE Pipe. On July 07, 2005, July 12, 2005, July 14, 2005 and July 28, 2005, eight eight-point composite post excavation off-site disposal characterization samples were collected from the riverbed and riverbank materials excavated from Cells 29, 32 and 30 (stockpiled in Area 64D, Area 64B and Area 64C). In addition on July 12, 2005, one eight-point composite off-site disposal characterization sample was collected from the miscellaneous road and debris material (stockpiled in Area 64E).

In-situ disposal characterization sampling of riverbanks in Phase 3C was also completed. Seven riverbank soil composite samples were collected on July 19, 2005, July 21, 2005, July 25, 2005 and July 26, 2005 for future offsite disposal. The riverbank samples were collected to be analyzed for PCB and physical characteristics. 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 sub-divided into two new areas each, therefore creating additional six areas to be sampled. Two of the additional areas were sampled on July 28, 2005 and were analyzed for PCB and physical characteristics. Additional samples on the remaining four areas will be collected in August 2005.

Geotechnical samples were collected for 9-inch riprap, 18-inch riprap, filter material I and filter material II. The results of the geotechnical testing are not included in the monthly report but are contained in other submittals and are available upon request.

The transfer of TSCA materials from the Area 64A, Building 63, Area 64D and Area 64B stockpile management areas and directly from Cell 32 and GE Lyman Street parking new entrance to the Building 71 OPCA was performed from July 07, 2005 to July 29, 2005. (See Table 3 for a summary of material transported to the OPCAs during the month of July 2005 and Table 4 for a summary of material transported to the OPCAs for the project through July 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 July 01, 2005 to July 22, 2005. (See Table 5 for a summary of material transported to the Seneca Meadows Landfill, Waterloo, N.Y. during the month of July 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 July. 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 July.

3. Sampling/test results received

Table 6 contains a summary of the PCB samples collected for the water treatment system sampling program on July 12, 2005. The non-PCB results for the water treatment system sample collected on July 12, 2005 are presented in Table 6a. 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 July 06, 2005 and July 20, 2005 are presented in Table 10. Summary of the PCB air sampling conducted on July 27, 2005 are provided in Table 11, however the results are not yet available. Sample results associated with the 54-inch HDPE Pipe wipe sampling are presented in Table 12. Post-excavation off-site disposal characterization sample results for the riverbed and riverbank materials excavated from Cells 29, 32 and 30 (stockpiled in Area 64D, Area 64B and Area 64C) collected on July 07,

2005, July 12, 2005, July 14, 2005 and July 28, 2005 are summarized in Table 13. Table 14 contains data associated with the off-site disposal characterization sample collected from the miscellaneous road and debris material (stockpiled in Area 64E) on July 12, 2005. The results for the topsoil sample collected on June 01, 2005 and a filter material type III sample collected on June 22, 2005 are presented in Table 15. The in-situ disposal characterization sample results of the riverbanks in Phase 3C are presented in Table 16 and Table 16a.

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 June 2005 and July 2005 from Vibra-Tech, Inc. During this period, six seismographs were set up in Phase 3B and 3C to monitor structures on several properties within a 200-foot radius of the sheetpile installation activities. The following properties were monitored: Parcels I7-2-21; I7-3-5; I7-3-4; I7-3-3; I7-3-2; I7-3-1; I7-2-2; I7-2-1; I7-1-5; 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 one exceedance on June 23, 2005 on Parcel I7-2-2 and one exceedance on July 29, 2005 which occurred during a one-minute increment and since they were not continues it was recommended by Vibra-Tech that no action be taken. Also, three exceedances occurred during the month of June and two exceedences during the month of July on Parcel I7-99-000, however were all recorded prior to or after the work hours. Therefore, the exceedance 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

- Complete backfilling activities in Cell 30.
- Complete the installation of the downstream sheetpile cutoff walls for Cell 31.
- Initiate and complete excavation and backfilling activities in Cell 31.
- Remove the upstream and downstream sheetpile cutoff walls for Cells 30 and 31.
- Complete the installation of the sheetpile walls immediately upstream and downstream of the Pomeroy Avenue Bridge.
- Initiate and complete excavation and backfilling activities under the Pomeroy Avenue Bridge.
- 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 and 3C.

8. ATTACHMENTS TO THIS REPORT

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

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

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

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 July

Table 6. NPDES PCB Sampling Results for Water Treatment System

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

Table 7. Daily Air Monitoring Results

Table 8. Daily Noise Monitoring Results

Table 9. Daily Water Column Turbidity Monitoring Results

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

Table 11. PCB Air Sampling Results

Table 12. 54-inch HDPE Pipe Wipe Sample Results

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

Table 14. Off-site Disposal Characterization Analytical Results

Table 15. Backfill Material Testing Results

Table 16. In-situ Riverbank Characterization Sampling Analytical Results

Table 16a. 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 July
July 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				
7/5/2005	Cell 32	130	30	0
7/6/2005	Cell 32	290	80	0
7/7/2005	Cell 32	210	130	0
7/8/2005	Cell 32	150	140	0
7/11/2005	Cell 32	150	110	0
7/12/2005	Cell 32	0	150	0
7/13/2005	Cell 32	70	20	0
7/25/2005	Cell 30	60	210	0
7/26/2005	Cell 30	410	230	0
7/27/2005	Cell 30	320	0	0
7/28/2005	Cell 30	240	0	0
	Monthly total from bank soil and sediment	2,030	1,100	0

Note:

All quantities are in compacted or "in-place" cubic yards. All loads are estimated at 10cy per truck. Includes 217cy (83cy Cell 32 and 134cy Cell 30) of material removed from the "GE Floodplain Area"

**Table 2 - Quantity of Bank and Sediment Material Excavated to Date
July 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
	Total	51,983	11,290	6,949	70,222

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 July
July 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			
7/7/2005	34	0	374
7/8/2005	6	0	66
7/12/2005	7	0	77
7/13/2005	25	0	275
7/14/2005	51	0	561
7/21/2005	21	0	231
7/22/2005	3	0	33
7/29/2005	37	0	407
Monthly totals	184	0	2,024

Note:

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

(1) Estimated at 11 cy per truck

Includes 20 truckloads (217cy) of material generated from "GE Floodplain Area".

**Table 4 - Quantity of Material Transferred to OPCAs to Date
July 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	Location	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)
Project Totals		28,238	16,663

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".

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 July
July 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)
07/01/05	0405SM	Cell 29 Area 64B south	32.11
07/01/05	0406SM	Cell 29 Area 64B south	28.44
07/01/05	0407SM	Cell 29 Area 64B south	31.95
07/01/05	0408SM	Cell 29 Area 64B south	29.18
07/01/05	0409SM	Cell 29 Area 64B south	29.91
07/01/05	0410SM	Cell 29 Area 64B south	31.92
07/01/05	0411SM	Cell 29 Area 64B south	31.48
07/01/05	0412SM	Cell 29 Area 64B south	29.61
07/01/05	0413SM	Cell 29 Area 64B south	30.59
07/01/05	0414SM	Cell 29 Area 64B south	32.35
07/05/05	0415SM	Cell 29 Area 64B south	29.34
07/05/05	0416SM	Cell 29 Area 64B south	29.68
07/05/05	0417SM	Cell 29 Area 64B south	30.13
07/05/05	0418SM	Cell 29 Area 64B south	31.25
07/05/05	0419SM	Cell 29 Area 64B south	29.20
07/05/05	0420SM	Cell 29 Area 64B south	29.49
07/05/05	0421SM	Cell 29 Area 64B south	31.12
07/05/05	0422SM	Cell 29 Area 64B south	28.80
07/05/05	0423SM	Cell 29 Building 65	29.88
07/05/05	0424SM	Cell 29 Building 65	31.71
07/08/05	0425SM	Cell 29 Building 65	32.45
07/08/05	0426SM	Cell 29 Building 65	30.31
07/13/05	0427SM	Insitu Cell 32, Building 65 (36ppm)	31.51
07/13/05	0428SM	Insitu Cell 32, Building 65 (36ppm)	32.17
07/13/05	0429SM	Insitu Cell 32, Building 65 (36ppm)	32.59
07/13/05	0430SM	Insitu Cell 32, Building 65	31.33
07/13/05	0431SM	Insitu Cell 32, Building 65	31.78
07/13/05	0432SM	Insitu Cell 32, Building 65	31.68
07/13/05	0433SM	Insitu Cell 32, Building 65	31.02
07/13/05	0434SM	Insitu Cell 32, Building 65	32.74
07/13/05	0435SM	Insitu Cell 32, Building 65	33.23
07/13/05	0436SM	Insitu Cell 32, Building 65	30.70
07/14/05	0437SM	Insitu Cell 32, Building 65	30.24
07/14/05	0438SM	Insitu Cell 32, Building 65	31.99
07/14/05	0439SM	Insitu Cell 32, Building 65	31.28

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
07/15/05	0440SM	Cell 29 Area 64D	28.72
07/15/05	0441SM	Cell 29 Area 64D	32.53
07/15/05	0442SM	Cell 29 Area 64D	29.72
07/15/05	0443SM	Cell 29 Area 64D	28.68
07/15/05	0444SM	Cell 29 Area 64D	29.71
07/15/05	0445SM	Cell 29 Area 64D	31.41
07/15/05	0446SM	Cell 29 Area 64D	29.11
07/15/05	0447SM	Cell 29 Area 64D	32.72
07/15/05	0448SM	Cell 29 Area 64D	32.80
07/15/05	0449SM	Cell 29 Area 64D	31.88
07/18/05	0450SM	Cell 29 Area 64D	30.69
07/18/05	0451SM	Cell 29 Area 64D	31.73
07/18/05	0452SM	Cell 29 Area 64D	30.96
07/18/05	0453SM	Cell 29 Area 64D	30.27
07/18/05	0454SM	Cell 29 Area 64D	29.51
07/18/05	0455SM	Cell 29 Area 64D	30.55
07/18/05	0456SM	Cell 29 Area 64D	30.87
07/18/05	0457SM	Cell 29 Area 64D	31.09
07/18/05	0458SM	Cell 29 Area 64D	32.40
07/18/05	0459SM	Cell 29 Area 64D	33.92
07/18/05	0460SM	Cell 29 Area 64D (area 64B north)	31.42
07/18/05	0461SM	Cell 29 Area 64D (area 64B north)	32.09
07/18/05	0462SM	Cell 29 Area 64D (area 64B north)	30.06
07/18/05	0463SM	Cell 29 Area 64D (area 64B north)	29.76
07/18/05	0464SM	Cell 29 Area 64D (area 64B north)	30.40
07/19/05	0465SM	Cell 29 Area 64D (area 64B north)	31.87
07/19/05	0466SM	Cell 29 Area 64D (area 64B north)	32.95
07/19/05	0467SM	Cell 29 Area 64D (area 64B north)	30.57
07/19/05	0468SM	Cell 29 Area 64D (area 64B north)	30.02
07/19/05	0469SM	Cell 29 Area 64D (area 64B north)	30.32
07/19/05	0470SM	Cell 29 Area 64D (area 64B north)	30.82
07/19/05	0471SM	Cell 29 Area 64D (area 64B north)	31.51
07/19/05	0472SM	Cell 29 Area 64D (area 64B north)	30.71
07/19/05	0473SM	Cell 29 Area 64D (area 64B north)	31.25
07/19/05	0474SM	Cell 29 Area 64D (area 64B north)	30.59
07/19/05	0475SM	Cell 29 Area 64D (area 64B north)	29.98
07/19/05	0476SM	Cell 29 Area 64D (area 64B north)	30.84
07/19/05	0477SM	Cell 29 Area 64D (area 64B north)	33.04
07/19/05	0478SM	Cell 29 Area 64D (area 64B north)	32.64
07/19/05	0479SM	Cell 32 Area 64Csouth	31.94
07/20/05	0480SM	Cell 32 Area 64Csouth	30.27
07/20/05	0481SM	Cell 32 Area 64Csouth	31.52
07/20/05	0482SM	Cell 32 Area 64Csouth	29.82
07/20/05	0483SM	Cell 32 Area 64Csouth	30.65

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
07/20/05	0484SM	Cell 32 Area 64Csouth	31.51
07/20/05	0485SM	Cell 32 Area 64Csouth	32.95
07/20/05	0486SM	Cell 32 Area 64Csouth	32.05
07/20/05	0487SM	Cell 32 Area 64Csouth	31.87
07/20/05	0488SM	Cell 32 Area 64Csouth	31.16
07/20/05	0489SM	Cell 32 Area 64Csouth	30.42
07/20/05	0490SM	Cell 32 Area 64Csouth	30.26
07/20/05	0491SM	Cell 32 Area 64Csouth	29.94
07/20/05	0492SM	Cell 32 Area 64Csouth	31.99
07/20/05	0493SM	Cell 32 Area 64Csouth	30.94
07/20/05	0494SM	Cell 32 Area 64Csouth	30.39
07/21/05	0495SM	Cell 32 Area 64Csouth	31.45
07/21/05	0496SM	Cell 32 Area 64Csouth	29.88
07/21/05	0497SM	Cell 32 Area 64Csouth	32.30
07/21/05	0498SM	Cell 32 Area 64Csouth	32.18
07/21/05	0499SM	Cell 32 Area 64Csouth	30.59
07/21/05	0500SM	Cell 32 Area 64Csouth	29.64
07/21/05	0501SM	Cell 32 Area 64Cnorth	32.40
07/21/05	0502SM	Cell 32 Area 64Cnorth	31.45
07/21/05	0503SM	Cell 32 Area 64Cnorth	31.63
07/21/05	0504SM	Cell 32 Area 64Cnorth	32.03
07/21/05	0505SM	Cell 32 Area 64Cnorth	31.47
07/21/05	0506SM	Cell 32 Area 64Cnorth	30.55
07/21/05	0507SM	Cell 32 Area 64Cnorth	32.89
07/21/05	0508SM	Cell 32 Area 64Cnorth	29.75
07/21/05	0509SM	Cell 32 Area 64Cnorth	32.14
07/22/05	0510SM	Cell 32 Area 64Cnorth	29.90
07/22/05	0511SM	Cell 32 Area 64Cnorth	30.11
07/22/05	0512SM	Cell 32 Area 64Cnorth	29.68
07/22/05	0513SM	Cell 32 Area 64Cnorth	31.74
07/22/05	0514SM	Cell 32 Area 64Cnorth	30.31
07/22/05	0515SM	Cell 32 Area 64Cnorth	31.34
07/22/05	0516SM	Cell 32 Area 64Cnorth	33.06
07/22/05	0517SM	Cell 32 Area 64Cnorth	31.52
07/22/05	0518SM	Cell 32 Area 64Cnorth	29.75
07/22/05	0519SM	Cell 32 Area 64Cnorth	29.92
Total of Material Disposed			3,568.63

(1) Net weights established at the disposal facility

**Table 6- NPDES Sampling Results for Water Treatment System
July 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-WW000001-0-5L12	Influent	12-Jul-05	ND(0.064)	ND(0.064)	0.12	0.37	0.49
H2-WW000002-0-5L12	Intermediate	12-Jul-05	ND(0.013)	ND(0.013)	ND(0.013)	0.024	0.024
H2-WW000003-0-5L12	Effluent	12-Jul-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.

7/12/05 - monthly sampling

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

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

(Results are presented in part per billion, ppb)

Sample ID	H2-WW000001-0-5L12	H2-WW000002-0-5L12	H2-WW000003-0-5L12	NPDES Permit Regulatory Effluent Limits
Sample type	Influent	Intermediate	Effluent	
Date Collected	12-Jul-05	12-Jul-05	12-Jul-05	
Analyte				
APP IX SEMIVOLATILES				
	---	---	---	
APP IX VOLATILES				
	---	---	---	
METALS				
BARIUM	19	---	33.8	100
ZINC	5.2	---	7.5	500

NOTES:

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

Only detected constituents are summarized

ND - not detected

--- not sampled

**Table 7 - Daily Air Monitoring Results
July 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)
7/1/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
7/2/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
7/3/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
7/4/2005	Upwind	Holiday	Holiday
	Downwind	Holiday	Holiday
	Background	Holiday	Holiday
7/5/2005	Upwind	0.960	4
	Downwind	0.890	4
	Background	0.630	4
7/6/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
7/7/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
7/8/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
7/9/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
7/10/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
7/11/2005	Upwind	0.049	7
	Downwind	0.039	7
	Background	0.000	7
7/12/2005	Upwind	0.067	5
	Downwind	0.085	5
	Background	0.023	5
7/13/2005	Upwind	0.069	6
	Downwind	0.019	6
	Background	0.008	6
7/14/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
7/15/2005	Upwind	0.087	8
	Downwind	0.088	8
	Background	0.041	8
7/16/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend

Date Collected	Sample Location	Average Site Concentration (mg/m ³)	Average Period (Hours:Min)
7/17/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
7/18/2005	Upwind	0.123	3
	Downwind	0.115	3
	Background	0.079	3
7/19/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
7/20/2005	Upwind	0.242	8
	Downwind	0.006	8
	Background	0.009	8
7/21/2005	Upwind	0.000	6
	Downwind	0.004	7
	Background	--	--
7/22/2005	Upwind	0.013	6
	Downwind	0.029	6
	Background	--	--
7/23/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
7/24/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
7/25/2005	Upwind	0.040	7
	Downwind	0.053	7
	Background	--	--
7/26/2005	Upwind	0.016	7
	Downwind	0.008	7
	Background	--	--
7/27/2005	Upwind	0.047	6
	Downwind	0.056	6
	Background	--	--
7/28/2005	Upwind	0.004	7
	Downwind	0.003	7
	Background	--	--
7/29/2005	Upwind	0.000	5
	Downwind	0.007	5
	Background	--	--
7/30/2005	Upstream	Weekend	Weekend
	Downstream	Weekend	Weekend
	Background	Weekend	Weekend
7/31/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
	Background	Weekend	Weekend
notification level		0.120	
action level		0.150	

Notes:

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

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

Elevated levels on 7/18/05 were attributed to condensation on the lens of the instrument. Meters were pulled in prior to an afternoon thunderstorm.

**Table 8 - Daily Noise Monitoring Results
July 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	
7/1/2005	N/A	N/A	N/A	N/A
7/2/2005	Weekend	Weekend	Weekend	Weekend
7/3/2005	Weekend	Weekend	Weekend	Weekend
7/4/2005	Holiday	Holiday	Holiday	Holiday
7/5/2005	xx	xx	xx	xx
7/6/2005	N/A	N/A	N/A	N/A
7/7/2005	N/A	N/A	N/A	N/A
7/8/2005	N/A	N/A	N/A	N/A
7/9/2005	Weekend	Weekend	Weekend	Weekend
7/10/2005	Weekend	Weekend	Weekend	Weekend
7/11/2005	xx	xx	xx	xx
7/12/2005	79.2	47.7	56.4	5:50
7/13/2005	75.5	47.4	57.1	5:45
7/14/2005	N/A	N/A	N/A	N/A
7/15/2005	85.1	42.9	56.9	9:10
7/16/2005	Weekend	Weekend	Weekend	Weekend
7/17/2005	Weekend	Weekend	Weekend	Weekend
7/18/2005	N/A	N/A	N/A	N/A
7/19/2005	N/A	N/A	N/A	N/A
7/20/2005	95.1	45.9	58.8	8:20
7/21/2005	92	46.7	59	6:50
7/22/2005	82.4	20	56	4:45
7/23/2005	Weekend	Weekend	Weekend	Weekend
7/24/2005	Weekend	Weekend	Weekend	Weekend
7/25/2005	--	--	--	--
7/26/2005	82.1	46.9	60.4	7:30
7/27/2005	67.9	49.2	54.7	6:25
7/28/2005	83	59.1	62.5	6:55
7/29/2005	80.6	71.4	74.7	5:05
7/30/2005	Weekend	Weekend	Weekend	Weekend
7/31/2005	Weekend	Weekend	Weekend	Weekend

Notes:

dBA - Decibel

N/A - Not deployed due to weather

--- - No readings due to technical errors

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
July 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	
7/1/2005	107	Downstream of Lyman Street Bridge	1.7	2.0	1.4	23.1
		Downstream of Pomeroy Avenue Bridge	7.7	11.2	4.1	22.96
7/2/2005	71	Downstream of Lyman Street Bridge	0.8	1.3	0.4	22.1
		Downstream of Pomeroy Avenue Bridge	5.4	7.0	3.8	22.04
7/3/2005	56	Downstream of Lyman Street Bridge	0.7	1.1	0.3	21.0
		Downstream of Pomeroy Avenue Bridge	6.8	10.6	5.1	20.8
7/4/2005	53	Downstream of Lyman Street Bridge	0.6	1.1	0.2	20.8
		Downstream of Pomeroy Avenue Bridge	2.8	5.2	1.5	21.0
7/5/2005	42	Downstream of Lyman Street Bridge	0.8	1.2	0.2	21.05
		Downstream of Pomeroy Avenue Bridge	2.1	2.9	1.4	21.4
7/6/2005	39	Downstream of Lyman Street Bridge	3.4	12.4	0.5	21.82
		Downstream of Pomeroy Avenue Bridge	8.6	31.4	1.9	22.1
7/7/2005	71	Downstream of Lyman Street Bridge	2.8	3.5	2.4	20.27
		Downstream of Pomeroy Avenue Bridge	6.9	8.2	5.7	20.3
7/8/2005	69	Downstream of Lyman Street Bridge	2.7	7.6	1.4	18.56
		Downstream of Pomeroy Avenue Bridge	7.6	14.0	4.2	18.5
7/9/2005	105	Downstream of Lyman Street Bridge	2.2	4.3	1.3	17.96
		Downstream of Pomeroy Avenue Bridge	14.7	20.5	10.9	18.1
7/10/2005	36	Downstream of Lyman Street Bridge	2.4	7.7	1.2	19.82
		Downstream of Pomeroy Avenue Bridge	7.8	13.5	4.1	19.8
7/11/2005	68	Downstream of Lyman Street Bridge	18.0	206.0	1.1	22.11
		Downstream of Pomeroy Avenue Bridge	4.2	5.6	3.2	21.9
7/12/2005	53	Downstream of Lyman Street Bridge	1.6	3.4	0.9	25.05
		Downstream of Pomeroy Avenue Bridge	2.6	4.0	1.7	22.4
7/13/2005	41	Downstream of Lyman Street Bridge	1.0	1.2	0.7	25.05
		Downstream of Pomeroy Avenue Bridge	2.5	5.4	1.7	21.1
7/14/2005	33	Downstream of Lyman Street Bridge	2.2	3.3	1.5	26.95
		Downstream of Pomeroy Avenue Bridge	2.2	3.3	1.5	21.77
7/15/2005	31	Downstream of Lyman Street Bridge	11.2	37.2	0.9	29.23
		Downstream of Pomeroy Avenue Bridge	2.6	7.2	1.3	23.12
7/16/2005	30	Downstream of Lyman Street Bridge	8.4	9.5	7.5	29.47
		Downstream of Pomeroy Avenue Bridge	1.6	3.5	0.8	23.87
7/17/2005	33	Downstream of Lyman Street Bridge	17.9	60.6	7.1	23.98
		Downstream of Pomeroy Avenue Bridge	8.3	31.3	1.1	22.69
7/18/2005	56	Downstream of Lyman Street Bridge	2.4	5.4	1.1	22.73
		Downstream of Pomeroy Avenue Bridge	6.0	38.6	1.2	23.06
7/19/2005	47	Downstream of Lyman Street Bridge	3.9	14.5	0.7	23.00
		Downstream of Pomeroy Avenue Bridge	7.1	57.8	0.7	23.73
7/20/2005	43	Downstream of Lyman Street Bridge	2.7	5.2	0.9	23.31
		Downstream of Pomeroy Avenue Bridge	3.1	6.4	1.7	23.56
7/21/2005	30	Downstream of Lyman Street Bridge	2.7	5.2	0.9	23.50
		Downstream of Pomeroy Avenue Bridge	1.8	8.4	0.9	23.41
7/22/2005	28	Downstream of Lyman Street Bridge	1.0	1.5	0.7	23.5
		Downstream of Pomeroy Avenue Bridge	2.3	8.2	1.0	23.26
7/23/2005	25	Downstream of Lyman Street Bridge	1.2	1.9	0.8	23.5
		Downstream of Pomeroy Avenue Bridge	1.7	2.3	1.3	23.33

Date	Flow at Coltsville (cfs)	Location	Turbidity (ntu)			Temperature Average (°C)
			Average	High	Low	
7/24/2005	23	Downstream of Lyman Street Bridge	0.8	1.1	0.5	23.5
		Downstream of Pomeroy Avenue Bridge	2.0	2.3	1.5	22.4
7/25/2005	23	Downstream of Lyman Street Bridge	1.1	1.8	0.8	23.50
		Downstream of Pomeroy Avenue Bridge	9.3	13.4	5.4	22.1
7/26/2005	22	Downstream of Lyman Street Bridge	1.1	1.5	0.8	23.50
		Downstream of Pomeroy Avenue Bridge	4.8	8.3	2.5	22.4
7/27/2005	21	Downstream of Lyman Street Bridge	1.5	7.2	0.8	23.5
		Downstream of Pomeroy Avenue Bridge	2.1	5.1	1.3	24.2
7/28/2005	20	Downstream of Lyman Street Bridge	0.9	1.5	0.5	23.5
		Downstream of Pomeroy Avenue Bridge	1.6	2.0	1.2	23.0
7/29/2005	19	Downstream of Lyman Street Bridge	0.9	1.6	0.5	23.50
		Downstream of Pomeroy Avenue Bridge	1.8	2.1	1.4	22.14
7/30/2005	19	Downstream of Lyman Street Bridge	1.9	9.0	0.4	23.50
		Downstream of Pomeroy Avenue Bridge	2.5	3.5	1.9	22.23
7/31/2005	19	Downstream of Lyman Street Bridge	1.2	4.8	0.6	23.50
		Downstream of Pomeroy Avenue Bridge	2.2	2.7	1.9	21.15

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
July 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	07/06/05	39	NS	NS	NS	NS	NS	NS	H0-SW000054-0-5L06	NS	NS	NS
Downstream of Lyman St. Bridge	07/06/05	39	12.4	0.5	3.4	21.8	NS	NS	H2-SW000055-0-5L06	0.84	0.027	22.2
Downstream of Pomeroy Ave. Bridge	07/06/05	39	31.4	1.9	8.6	22.10	NA	NA	H2-SW000052-0-5L06	0.19	ND(0.013)	18.0
Downstream of Pomeroy Ave. Bridge (duplicate)	07/06/05	39	31.4	1.9	8.6	22.10	NA	NA	H2-SW000052-1-5L06	0.18	NS	NS
Upstream of Newell St. Bridge	07/20/05	43	NS	NS	NS	NS	NS	NS	H0-SW000054-0-5L20	ND(0.013)	ND(0.013)	4.2
Downstream of Lyman St. Bridge	07/20/05	43	5.2	0.9	2.7	23.3	NS	NS	H2-SW000055-0-5L20	ND(0.013)	ND(0.013)	2.9
Downstream of Pomeroy Ave. Bridge	07/20/05	43	6.4	1.7	3.1	23.6	NA	NA	H2-SW000052-0-5L20	0.041	ND(0.013)	4.6

Notes:

PCB Action Level - Downstream (Pomeroy Avenue) \geq 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.

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

**Table 11 - PCB Air Sampling Results
July 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	NR	NR	NR	NR	NR	NR
H2-AR000042-0-5L27	AR000042	NR	NR	NR	NR	NR	NR
H2-AR000045-0-5L27	AR000045	NR	NR	NR	NR	NR	NR
H2-AR000047-0-5L27	AR000047	NR	NR	NR	NR	NR	NR
H2-AR000047-1-5L27 (duplicate)	AR000047	NR	NR	NR	NR	NR	NR
H2-AR000048-0-5L27	AR000048	NR	NR	NR	NR	NR	NR

Notes:

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

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

1- See Figure 1 for locations

NR - Not yet reported

**Table 12 - 54-inch HDPE Pipe Wipe Samples
July 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-XI000234-0-5L01	01-Jul-05	ND(0.25)	ND(0.25)	0.076	0.076
H2-XI000235-0-5L01	01-Jul-05	ND(13.0)	ND(13.0)	10.0 J	10.0 J
H2-XI000236-0-5L12	12-Jul-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000237-0-5L12	12-Jul-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000238-0-5L13	13-Jul-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000238-1-5L13 (duplicate)	13-Jul-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000239-0-5L26	26-Jul-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000239-1-5L26 (duplicate)	26-Jul-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000240-0-5L27	27-Jul-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000241-0-5L27	27-Jul-05	ND(0.25)	ND(0.25)	0.056 J	0.056 J
H2-XI000242-0-5L27	27-Jul-05	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)
H2-XI000243-0-5L27	27-Jul-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.

The five sections of HDPE Pipe associated with this sample will be re-used as part of the remediation activities in Phase 3C and will not be included with the HDPE Pipe that will be set aside for recycling.

**Table 13 - Post Excavation Soil/ Sediment Stockpile Characterization Analytical Results
July 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-OT000268-0-5L07	H2-OT000269-0-5L07	H2-OT000270-0-5L07	H2-OT000270-1-5L07
Sample type	stockpile material characterization	stockpile material characterization	stockpile material characterization	stockpile material characterization
Date Collected	7/7/2005	7/7/2005	7/7/2005	7/7/2005
Stockpile Location	Area 64B	Area 64C	Area 64C	Area 64C
Analyte				
PCBS				
AROCOR-1254	ND	2.6	6.0	2.5
AROCOR-1260	4.2	21.0	16.0	13.0
PCB, TOTAL	4.2	24.0	22.0	16.0
INORGANICS				
PAINT FILTER LIQUIDS (ml)	ABSENT	ABSENT	ABSENT	ABSENT
PERCENT SOLIDS (%)	86.8	89.6	88.4	90.9

Notes:

Only detected constituents are summarized

**Table 13 - Post Excavation Soil/ Sediment Stockpile Characterization Analytical Results
July 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-OT000271-0-5L07	H2-OT000280-0-5L14	H2-OT000283-0-5L28	H2-OT000284-0-5L28
Sample type	stockpile material characterization	stockpile material characterization	stockpile material characterization (1)	stockpile material characterization
Date Collected	7/7/2005	7/14/2005	7/28/2005	7/28/2005
Stockpile Location	Area 64D	Area 64B	Area 64C	Area 64C
Analyte				
PCBS				
AROCOR-1254	15.0	ND	5.4	0.62 J
AROCOR-1260	2.2	33.0	42.0	2.5
PCB, TOTAL	17.0	33.0	47.0	3.1
INORGANICS				
PAINT FILTER LIQUIDS (ml)	ABSENT	ABSENT	ABSENT	ABSENT
PERCENT SOLIDS (%)	93.7	83.9	77.6	80.4

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.

**Table 14 - Offsite Disposal Characterization Testing Results
July 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-OT000272-0-5L12
Sample type	material characterization
Date Collected	07/12/2005
Stockpile Location	Area 64E
Analyte	
PCBS	
AROCLOR-1254	.12
AROCLOR-1260	.48
PCB, TOTAL	.6
TCLP HERBICIDES	
	all Non-Detects
TCLP METALS	
BARIUM, TCLP LEACHATE (mg/l)	.304
CADMIUM, TCLP LEACHATE (mg/l)	.0015
LEAD, TCLP (mg/l)	.011
TCLP PESTICIDES	
	all Non-Detects
TCLP SEMIVOLATILES	
	all Non-Detects
TCLP VOLATILES	
	all Non-Detects
INORGANICS	
CORROSIVITY BY PH	8.5
IGNITABILITY (deg f)	>150
PAINT FILTER LIQUIDS (ml)	ABSENT
PERCENT SOLIDS (%)	94.1
SULFIDE	ND
CYANIDE	0.8

Notes:
Only detected constituents are summarized
ND - not detected
J - Indicates an estimated value

**Table 15 - Backfill Material Testing Results
July 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-OT000252-0-5U01-1	H2-OT000267-0-5U22-1	
Sample type	Topsoil	Filter material Type III	Regulatory Limits (1)
Date Collected	6/01/2005	6/22/2005	
Analyte			
APP IX SEMIVOLATILES			
4-METHYLPHENOL	.28 J	ND	500
ACETOPHENONE	.04 J	ND	1000
BENZO(A)PYRENE	.034 J	ND	0.7
DI-N-BUTYL PHTHALATE	ND	.018 J	50
FLUORANTHENE	.044 J	ND	1000
PHENANTHRENE	.023 J	ND	100
PYRENE	.037 J	ND	700
APP IX VOLATILES			
ACETONE	1.8	.0087	3
METHYLENE CHLORIDE	ND	.0014 J	0.1
VINYL CHLORIDE	ND	.0026 J	0.3
METALS			
ANTIMONY	1.5	0.38	10
ARSENIC	9.0	2.6	30
BARIUM	54.0	134	1000
BERYLLIUM	0.53	0.35	0.7
CADMIUM	0.49	0.16	30
CHROMIUM	12.9	6.5	1000
COBALT	12.6	9.7	500
COPPER	20.3	11.9	1000
LEAD	74.5	6.5	300
MERCURY	0.068	ND	20
NICKEL	19.0	10.8	300
SELENIUM	0.83	0.82	400
TIN	0.94	ND	10
VANADIUM	15.8	8.5	400
ZINC	90.9	35.6	2500
PCBS			
PCB, TOTAL	ND	ND	0.1*
ORGANIC			
PETROLEUM HYDROCARBON	ND	26.7	200*

Notes:

Only detected constituents are summarized

ND - not detected

J - Indicates an estimated value

(1) - Massachusetts contingency plan S-1 limits

* - Project specific acceptable levels for backfill

**Table 16 - In-situ Riverbank Characterization Sampling Analytical Results for Phase 3C
July 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-OT000273-0-5L19	H2-OT000274-0-5L21	H2-OT000275-0-5L21	H2-OT000276-0-5L21	Regulatory Limits *
Sample type	insitu characterization sampling	insitu characterization sampling	insitu characterization sampling (1)	insitu characterization sampling	
Date Collected	07/19/2005	07/21/2005	07/21/2005	07/21/2005	
Analyte					
PCBS					
AROCLOR-1254 (mg/kg)	ND	.99	9.6	ND	
AROCLOR-1260 (mg/kg)	5.7	6.3	110	36	
PCB, TOTAL (mg/kg)	5.7	7.29	119.6	36	50.0
INORGANICS					
PAINT FILTER LIQUIDS (ml)	ABSENT	ABSENT	ABSENT	ABSENT	
PERCENT SOLIDS (%)	95.7	93.9	87.5	82.5	

Notes:

(1) - Composite sample area was sub divided into 2 areas and re-sampled for PCBs only. See sample Ids: H2-OT000281-0-5L28 and H2-OT000282-0-5L28.

* - TSCA Limit is 50ppm Total PCBs; TCLP Limits are used to determine if material is hazardous waste under federal regulations.

Only detected constituents are summarized

J - Indicates an estimated value

ND - not detected

**Table 16 - In-situ Riverbank Characterization Sampling Analytical Results for Phase 3C
July 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-OT000277-0-5L26	H2-OT000278-0-5L26	H2-OT000279-0-5L25	Regulatory Limits *
Sample type	insitu characterization sampling (2)	insitu characterization sampling (2)	insitu characterization sampling	
Date Collected	07/26/2005	07/26/2005	07/25/2005	
Analyte				
PCBS				
AROCLOR-1254 (mg/kg)	14	21 J	ND	
AROCLOR-1260 (mg/kg)	65	130	2	
PCB, TOTAL (mg/kg)	79	150	2	50.0
INORGANICS				
PAINT FILTER LIQUIDS (ml)	ABSENT	ABSENT	ABSENT	
PERCENT SOLIDS (%)	50.3	56.2	93.8	

(2) - Composite sample area was sub divided into 2 areas and will be resampled in August 2005.

* - TSCA Limit is 50ppm Total PCBs; TCLP Limits are used to determine if material is hazardous waste under federal regulations.

Only detected constituents are summarized

J - Indicates an estimated value

ND - not detected

**Table 16a - Additonal In-situ Riverbank Characterization Sampling
Analytical Results for Phase 3C
July 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-OT000281-0-5L28	H2-OT000282-0-5L28
Sample type	insitu characterization sampling (1)	insitu characterization sampling (1)
Date Collected	07/28/2005	07/28/2005
Analyte		
PCBS		
AROCLOR-1254	ND	ND
AROCLOR-1260	120.0	170.0
PCB, TOTAL	120.0	170.0
INORGANICS		
PAINT FILTER LIQUIDS (ml)	ABSENT	ABSENT
PERCENT SOLIDS (%)	91.6	85.3

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

J - Indicates an estimated value

ND - not detected



Photograph 1 – Installation of Guard Rail on High Street



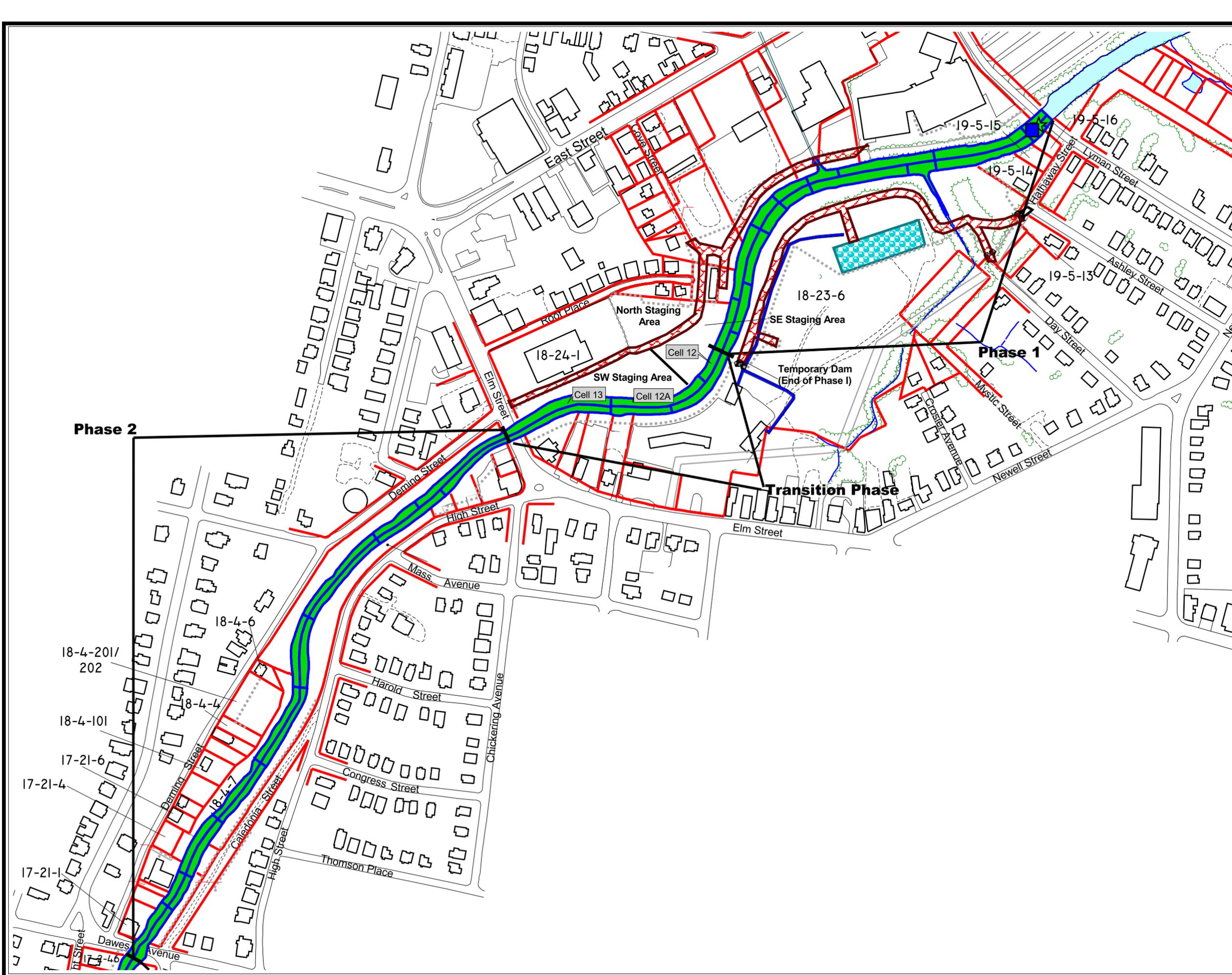
Photograph 2 – Excavation Activities in Cell 32



Photograph 3 – Backfilling Activities in Cell 32



Photograph 4 – Placement of River Enhancement Structures (Wing Deflector) in Cell 32



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*

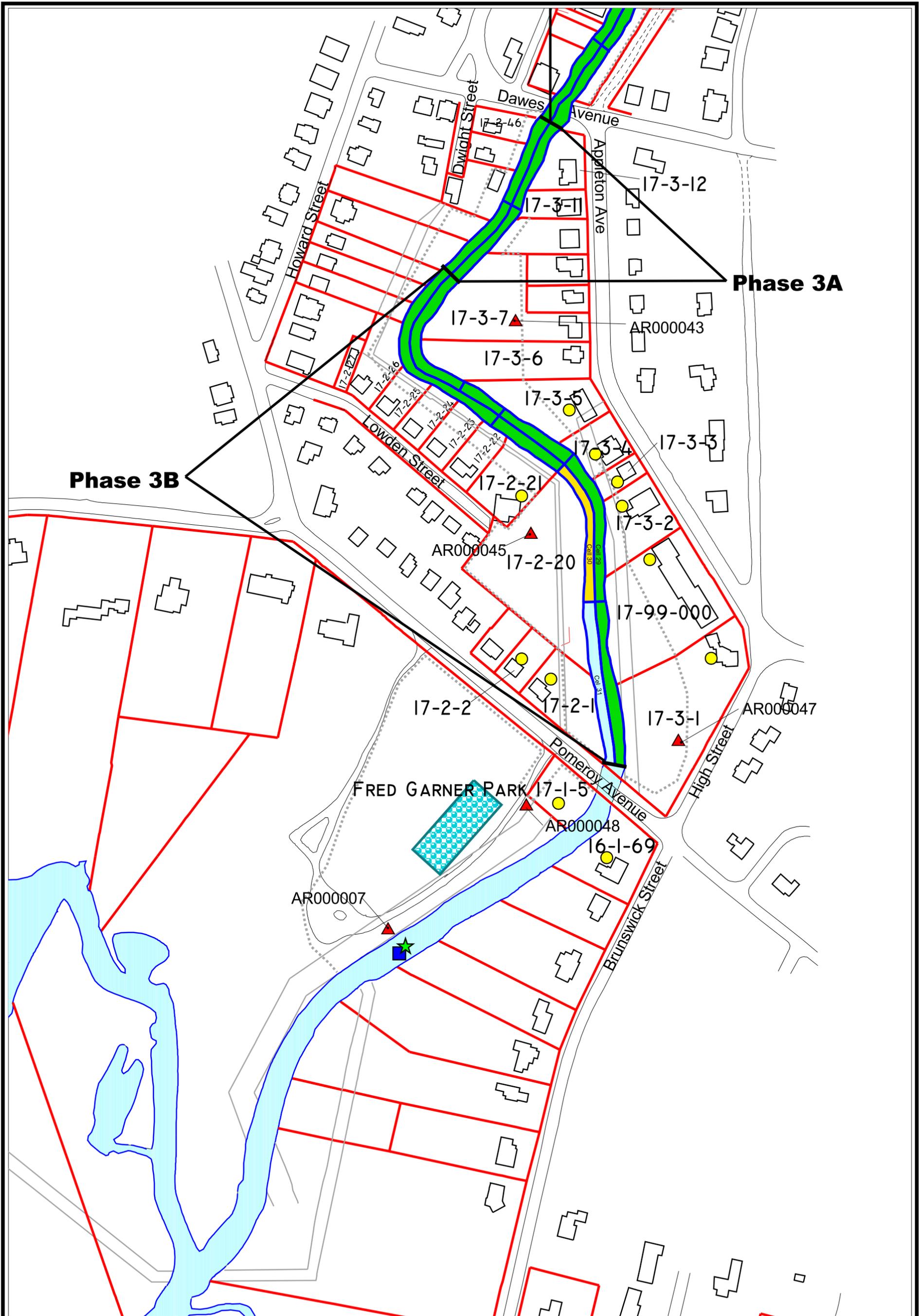
*Note: As-built features were located using a real time GPS unit



Scale in Feet



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



Phase 3B

Phase 3A

FRED GARNER PARK

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)
July 2005 Monthly Report