

**United States Environmental Protection Agency
EPA New England
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October 14, 2005

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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: September Monthly Report
1.5 Mile Reach Removal Action
GE-Pittsfield/Housatonic River Site

Enclosed please find the September 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 September 2005, the Environmental Protection Agency (EPA), the United States Army Corps of Engineers (USACE), the USACE's contractor, Weston Solutions, Inc., and Weston's subcontractors continued remediation activities on the 1.5 Mile Reach Removal Action. The primary work included the installation of the centerline sheetpile wall for Cells 35/36 and the downstream cutoff wall for Cell 35 and then the completion of excavation and backfill activities in Cell 35. Installation of the upstream and downstream cutoff walls for Cell 36 and then the completion of excavation and backfill activities in Cell 36. Also, the installation of the centerline sheetpile wall and cutoff walls for Cells 37/38 and for Cells 37S/38S was completed and the excavation activities in Cell 37 were initiated. In addition, 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 August 2005, the survey contractor initiated the lay out of the centerline sheetpile walls for Cells 35, 36, 37 and 38. During the first week of September, the lay out of the centerline sheetpile wall continued and the installation of the centerline wall was initiated.

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. Jersey barriers were placed on the river crossing edges. The construction of the access roads and the staging area along the east side of the river was initiated. The access roads and the staging area were built by using geotextile and dense grade/airport mix material. Also, the transfer of construction equipment and materials from the Phase 3B to Phase 3C staging areas continued. By the end of August the disassembly of the 250-ton crane was completed and the crane was moved to Phase 3C staging area. During the first week of September the crane re-assembly was completed and the load tests were performed. The fusion welding of the 8-inch HPDE pipe for the water treatment system (WTS) discharge line extension continued.

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

During the second week of September, the installation of the centerline sheetpile wall for Cells 35/36 and the installation of the downstream sheetpile cutoff wall for Cell 35 were completed. (The east side of the downstream sheetpile wall for Cell 33/34 was left in place and was used as the upstream cutoff wall for Cell 35). Once Cell 35 was isolated, the dewatering activities were initiated by pumping water greater than 6-inches in depth directly back to the river. Once the water depth reached 6-inches, it was pumped to the WTS. Sumps and swales were installed to help in the dewatering process. Once the dewatering was completed, the survey contractor completed the delineation of non-TSCA and TSCA excavation areas in Cell 35 and excavation

activities in Cell 35 were initiated. Since there is a limited access to Cell 35 from the east riverbank, Cell 35 was accessed from the west side of the river. An access ramp/load out pad was built on the riverbank of Cell 36, on the west side of river. The ramp was built by using crane mats. A long-stick excavator was placed on this ramp/pad. A small track excavator was placed in Cell 35 to excavate and stockpile the excavated material in Cell 35. This allowed the long-stick excavator to reach into Cell 35, remove the material from the stockpile and load the material into the dump trucks on the west side of the river. The excavated TSCA material was transported to Building 63 stockpile management area. The non-TSCA material characterized for off-site disposal was transported to Building 65 stockpile management area. The non-TSCA material not characterized for off-site disposal was transported to Area 64C north, Area 64C south stockpile management areas. (See Table 1 for quantities of material generated in the month of September 2005 and Table 2 for quantities of material generated to date.)

The surveyors monitored the excavation activities in Cell 35 to ensure appropriate design excavation depths were achieved.

The fusion welding of the 8-inch HPDE pipe for the WTS discharge line extension was completed. Efforts associated with the installation of the WTS discharge extension were completed. The new WTS discharge point is located approximately 100 feet past the confluence of the east and the west branches of the Housatonic River. Also, the water discharge dissipater was built by using a steel plate and bin blocks. Lastly the sediment curtain and the oil boom were relocated downstream of the current excavation area.

The installation of the centerline sheetpile wall for Cells 37/38 continued.

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

In addition, the construction of the access roads and the staging area along the east side of the riverbank continued. Additional 18-inch riprap material was placed at the river crossing. The installation of the security fencing in Phase 3C was completed.

Other activities during the second week of September included the removal of invasive species along the west riverbank in Phase 1. In addition, the backyard restoration activities on Parcel I7-3-5 were completed. Topsoil was installed to level off the backyard and seed and mulch were placed.

During the third week of September, excavation activities in Cell 35 were completed. The excavated TSCA material was transported to Building 63 stockpile management area. The non-TSCA material characterized for off-site disposal was transported to Building 65 stockpile management area. The non-TSCA material not characterized for off-site disposal was transported to Area 64C north, Area 64B north stockpile management areas.

The surveyors monitored the excavation activities in Cell 35 to ensure appropriate design excavation depths were achieved. Once the excavation activities were completed, the final excavation verification survey was performed in Cell 35, staking out of the backfill grades was completed and backfilling activities were initiated.

The riverbed and riverbank of Cell 35 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 966.5 feet above mean sea level (AMSL).

In areas where the riverbank extends beyond elevation 966.0 feet and 966.5 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. The entire riverbank in Cell 35 had slopes steeper than 2H:1V which requires cellular geoweb. Once the geoweb is installed, it will be backfilled with a 6-inch layer of topsoil, and then herbaceous seed and erosion control blankets will be placed.

The surveyors monitored the backfilling activities in Cell 35 to ensure appropriate design backfill grades were achieved.

The installation of the centerline sheetpile wall for Cells 37/38 continued.

Other activities during the third week of September included decontamination and installation of the river enhancement structures in Cells 29, 30 and 31. Also, an extension of the storm sewer outfall pipe located on the west riverbank in Cell 33/34 downstream of Pomeroy Avenue Bridge was completed and additional riprap was placed on the riverbank.

In addition, the installation of a white vinyl picket fence on Parcel I7-2-22 was initiated, the removal of invasive species along the west riverbank in Phase 1 continued, and the layout and staking out of plant locations for the riverbank restoration fall planting in Phase 3B was initiated.

During the fourth week of September, backfilling activities in Cell 35 were completed according to the backfill configurations described above. Geoweb was not installed in the last 75 feet of the riverbank in Cell 35 to avoid disturbance to the restoration during the future installation of the upstream sheetpile cutoff wall for Cell 38. The geoweb in this area will be installed during the restoration activities in Cell 38. A layer of 9-inch temporary erosion control riprap was placed at the downstream end of Cell 35, at the interface between Cell 35 and the unexcavated Cell 38, to avoid any potential erosion when the cutoff sheetpile walls are removed and the river channel is open for full river flow.

The surveyors monitored the backfilling activities in Cell 35 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 Cell 35, the final restoration verification survey was performed and the upstream and the downstream sheetpile cutoff walls in Cell 35 were removed opening the east side of the river channel to water flows.

Also, during the fourth week of September, the installation of the upstream and the downstream sheetpile cutoff walls in Cell 36 was completed. Once Cell 36 was isolated, the dewatering activities were initiated by pumping water greater than 6-inches in depth directly back to the river. Once the water depth reached 6-inches, it was pumped to the WTS. Sumps and swales

were installed to help in the dewatering process. Once the dewatering was completed, the survey contractor completed the delineation of non-TSCA and TSCA excavation areas in Cell 36 and excavation activities in Cell 36 were completed. A small section of the floodplain in Cell 36 adjacent to the top of riverbank where GE anticipates performing subsequent remediation on 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 north and south, Area 64B south, Area 64C south and Building 65 stockpile management areas.

The total amount of material excavated from Cell 36 in the "GE floodplain area" was 9 cy. GE will be responsible for the excavation, backfill, and OPCA disposal costs for the 9 cy of material.

The surveyors monitored the excavation activities in Cell 36 to ensure appropriate design excavation depths were achieved. Once the excavation activities were completed, the final excavation verification survey was performed in Cell 36, staking out of the backfill grades was completed.

The installation of the centerline sheetpile wall for Cells 37/38 was completed. Cells 37 and 38 end approximately 10 feet upstream of a sewer siphon line. The sewer siphon line is located under the riverbed. Since the sewer siphon line is located near the surface of the riverbed standard sheetpile walls can not be installed. Therefore a small sheetpile cell (Cell 37S/38S) will be created around the siphon line. This cell will be constructed by installing an upstream and a downstream cutoff walls and no centerline wall. The current plan is to close the temporary dam for a day and perform the excavation and backfill activities in Cell 37S/38S.

In addition, the installation of the downstream sheetpile cutoff walls for Cell 37 and Cell 38 were initiated. The walls were to be driven to mud line to allow river flows while excavation and backfill activities are on going in Cell 36, then the walls will be pulled up when time comes to work in Cell 37 then in Cell 38. Also, the installation of the centerline sheetpile wall for Cells 37A and 38A was initiated.

The layout and staking out of plant locations for the riverbank restoration fall planting in Phase 3B and the actual planting was completed. The plant watering system was moved to Phase 3B and the plant watering activities were initiated. Planting of trees and shrubs on the riverbanks of Cells 12A and 13 in the Transition Phase, in the former access ramp location and on the west riverbank of Deming Street, the former location of the 12-inch WTP bypass pump in Phase 2A was completed as well.

The installation of the white vinyl picket fence on Parcels I7-3-3, I7-2-22 and I7-2-23 was completed. The removal of the old backyard fencing on Parcel I7-3-3 was completed and topsoil was placed in the disturbed areas. A pile of debris was removed from the backyard easement area on Parcel I7-2-24.

The removal of the erosion control silt fencing along the west riverbank in Phase 3B was completed.

Invasive plant spraying was completed on Parcel I8-4-4. Lawn restoration on Parcels I7-2-22 and I7-2-23 was completed, topsoil was installed to level the lawn area and the lawns were hand seeded and mulched. Five arborvitae trees were planted on the property line between Parcels I7-2-22 and I7-2-23. Also, two rhododendrons were transplanted on Parcel I7-2-22 to be within the new fence line on that parcel. In addition, two ten-foot red maple trees were planted on each Parcel I7-2-24 and Parcel I7-2-25. A bedding area of hostas was also transplanted on Parcel I7-2-25 to be within the new fence line on that parcel.

Other activities during the fourth week of September included chipping of the tree and brush that was cleared from the riverbanks in Phase 3C. The chipped debris was transported directly to Hill 78 OPCA to be used as daily cover.

During the last week of September, backfill activities in Cell 36 were completed 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 966.0 feet AMSL.

Since the limit of excavation is at approximately elevation 966.0 AMSL, which is the top of the riverbank, no additional backfilling was required. Silt fencing was installed along the top of the riverbank of Cell 36. The load out area adjacent to Cell 36 will eventually be restored with common fill and topsoil. A layer of temporary erosion control riprap was placed at the downstream end of Cell 36, at the interface between Cell 36 and the unexcavated Cell 37, to avoid any potential erosion.

The surveyors monitored the backfilling activities in Cell 36 to ensure appropriate design backfill grades were achieved. Once the backfilling was completed, the final restoration verification survey was completed and the upstream sheetpile cutoff wall was removed and the cell was flooded.

The installation of the downstream sheetpile cutoff walls for Cell 37 and Cell 38 were completed. Originally the walls were to be driven to mud line to allow river flows while excavation and backfill activities are on going in Cell 36. Once backfill activities were completed in Cell 36 and Cell 36 was flooded the downstream cutoff wall for Cell 37 was pulled up. Cell 37 was isolated and the dewatering activities were initiated by pumping water greater than 6-inches in depth directly back to the river. Once the water depth reached 6-inches, it was pumped to the WTS. Sumps and swales were installed to help in the dewatering process. Once the dewatering was completed, the survey contractor completed the delineation of non-TSCA and TSCA excavation areas in Cell 37 and excavation activities in Cell 37 were initiated. The excavated TSCA material was transported to Building 63 stockpile management area. The non-TSCA material not characterized for off-site disposal was transported to Area 64C north and south and Building 65 stockpile management areas.

The surveyors monitored the excavation activities in Cell 37 to ensure appropriate design excavation depths were achieved.

The removal of the Cell 35/36 centerline sheetpile wall and the Cell 36 upstream sheetpile cutoff wall was completed. Also the downstream sheetpile cutoff wall for Cell 37S/38S was installed to the mud line to allow river flows while excavation and backfill activities are on going in Cell 37 and Cell 38.

Other activities during the last week of September included the installation of a green chain link fence on Parcel I7-3-2. Also, the stockade fence between Parcels I7-3-4 and I7-3-3 was extended.

The construction of the access road on the east side of the river in Phase 3C continued.

Chipping of the tree and brush that was cleared from the riverbanks in Phase 3C continued. The chipped debris was transported directly to Hill 78 OPCA to be used as daily cover.

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 month of September, the WTS operations continued. The WTS treated water from Cells 35, 36, and 37. Sampling of the WTS for parameters included in the NPDES exclusion permit was performed on September 13, 2005. Air monitoring for particulate matter (PM10 sampling) and surface water turbidity monitoring were performed on a daily basis during the month of September. Surface water sampling for total suspended solids (TSS) and PCBs was performed on September 08, 2005 and September 21, 2005. The monthly PCB air-monitoring event was performed on September 13, 2005. Equipment decontamination confirmation PCB wipe samples were collected on September 20, 2005. On September 13, 2005, September 14, 2005, September 27, 2005 and September 30, 2005, seven eight-point composite post excavation off-site disposal characterization samples were collected from the riverbed and riverbank materials excavated from Cells 33/34, Cell 35, Cell 36 and Cell 37 (stockpiled in Area 64B, Area 64C, Area 64D, and Building 65). Also, on September 22, 2005 backfill material samples were collected.

Geotechnical samples were collected for common fill material. 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 stockpile management areas to the Building 71 OPCA was not performed during the month of September. (See Table 3 for a summary of material transported to the OPCAs for the project through September 2005.)

The non-TSCA materials from the Area 64B, Area 64C, Area 64D, Area 64E and Building 65 stockpile management areas were transported to the Seneca Meadows Landfill, Waterloo, N.Y. from September 06, 2005 to September 30, 2005. (See Table 4 for a summary of material transported to the Seneca Meadows Landfill, Waterloo, N.Y. during the month of September 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 September. 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 September.

3. Sampling/test results received

Table 5 contains a summary of the PCB samples collected for the water treatment system sampling program on September 13, 2005. The results of the daily particulate air monitoring program are summarized in Table 6. Results for the daily noise monitoring are provided in Table 7. Table 8 is a summary of daily turbidity monitoring results. Results for PCB and TSS samples and water column monitoring data collected on August 16, 2005 and September 08, 2005 are presented in Table 9. The sample results for the water column sample collected on September 21, 2005 are not yet available. Summary of the PCB air sampling conducted on September 13, 2005 are provided in Table 10. However the PCB results are not yet available. Table 11 contains results for equipment confirmatory wipe samples. Post-excavation off-site disposal characterization sample results for the riverbed and riverbank materials excavated from Cells 33/34, Cell 35, Cell 36 and Cell 37 (stockpiled in Area 64B, Area 64C, Area 64D, and Building 65) are summarized in Table 12. The results for the backfill material samples collected on September 22, 2005 are not yet available.

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

During the month of September 2005, 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 sewer siphon structure located at the Fred Garner Park and the Pomeroy Avenue Bridge. The following properties were monitored: Parcels I7-2-1; I7-2-2; I7-1-5; I6-1-69; I6-1-68; I6-1-67; I6-1-66 and H7-4-11. However the report has not yet been received.

6. Photo documentation of activities performed

See attached photos.

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

- Complete excavation activities in Cell 37.
- Initiate and complete backfill activities in Cell 37.
- Remove the upstream sheetpile cutoff wall for Cell 37 and drive the downstream cutoff wall to the mud line.
- Initiate and complete excavation and backfilling activities in Cell 38.
- Pull up the upstream and downstream sheetpile cutoff walls for Cells 37S and 38S from the mudline to the design elevation.
- Initiate and complete excavation and backfilling activities in Cells 37S and 38S.
- Remove the upstream sheetpile walls in Cells 37S and 38S.
- Drive the downstream cutoff wall in Cell 37S to the mud line.
- Continue tree clearing and grubbing activities in Phase 3C.
- Continue the construction of access roads and staging areas in Phase 3C.
- 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 September

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

Table 3. Quantity of Material Transferred to OPCAs to Date

Table 4. Quantity of non-TSCA Material Transferred to Seneca Meadows Landfill, Waterloo, N.Y. during the month of September

Table 5. NPDES PCB Sampling Results for Water Treatment System

Table 6. Daily Air Monitoring Results

Table 7. Daily Noise Monitoring Results

Table 8. Daily Water Column Turbidity Monitoring Results

Table 9. Summary of Turbidity, PCB, and TSS Water Column Monitoring Results

Table 10. PCB Air Sampling Results

Table 11. Equipment Confirmatory Wipe Sample Results

Table 12. Post-Excavation Soil/Sediment Stockpile Characterization Analytical Results

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

Photodocumentation

**Table 1 - Quantity of Bank and Sediment Material Generated During the Month of September
September 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				
09/08/05	Cell 35	130	0	0
09/09/05	Cell 35	170	100	0
09/12/05	Cell 35	260	0	0
09/13/05	Cell 35	250	30	0
09/22/05	Cell 36	220	190	0
09/23/05	Cell 36	700	0	0
09/29/05	Cell 37	450	0	0
09/30/05	Cell 37	180	120	0
	Monthly total from bank soil and sediment	2,360	440	0

Note:

All quantities are in compacted or "in-place" cubic yards. All loads are estimated at 10cy per truck. Includes 9cy from Cell 36 of material removed from the "GE Floodplain Area".

**Table 2 - Quantity of Bank and Sediment Material Excavated to Date
September 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 Bank and Sediment Material Excavated to Date			
		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
08/23/05 to 08/24/05	Cell 33/34	1,289	21	0	1,310
09/09/05 to 09/13/05	Cell 35	997	42	0	1,039
09/22/05 to 09/23/05	Cell 36^	1,661	123	0	1,784
09/29/05 to 09/30/05	Cell 37*	630	120	0	750
Total		58,249	11,807	6,949	77,005

Note:

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

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

*Quantity estimated at 10cy per truck.

**Table 3 - Quantity of Material Transferred to OPCAs to Date
September 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 4 - Quantity of non-TSCA Material Transported to Seneca Meadows Landfill, Waterloo, N.Y.
During the Month of September
September 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)
09/06/05	0569SM	Cell 33/34, Area 64C north	31.70
09/06/05	0570SM	Cell 33/34, Area 64C north	29.75
09/06/05	0571SM	Cell 33/34, Area 64C north	32.09
09/06/05	0572SM	Cell 33/34, Area 64C north	32.44
09/06/05	0573SM	Cell 33/34, Area 64C north	30.06
09/06/05	0574SM	Cell 33/34, Area 64C north	32.01
09/06/05	0575SM	Cell 33/34, Area 64C north	31.62
09/06/05	0576SM	Cell 33/34, Area 64C north	31.58
09/06/05	0577SM	Cell 33/34, Area 64C north	29.29
09/06/05	0578SM	Cell 33/34, Area 64C north	30.49
09/07/05	0579SM	Cell 33/34, Area 64C north	31.54
09/07/05	0580SM	Cell 33/34, Area 64C north	31.88
09/07/05	0581SM	Cell 33/34, Area 64C north	30.95
09/07/05	0582SM	Cell 33/34, Area 64C north	28.59
09/07/05	0583SM	Cell 33/34, Area 64C north	31.23
09/07/05	0584SM	Cell 33/34, Area 64C north	30.53
09/07/05	0585SM	Cell 33/34, Area 64C north	30.01
09/07/05	0586SM	Cell 33/34, Area 64C north	29.67
09/07/05	0587SM	Cell 33/34, Area 64B	29.21
09/07/05	0588SM	Cell 33/34, Area 64B	28.83
09/08/05	0589SM	Cell 33/34, Area 64B	30.88
09/08/05	0590SM	Cell 33/34, Area 64B	28.41
09/08/05	0591SM	Cell 33/34, Area 64B	30.18
09/08/05	0592SM	Cell 33/34, Area 64B	29.54
09/08/05	0593SM	Cell 33/34, Area 64B	32.18
09/08/05	0594SM	Cell 33/34, Area 64B	28.95
09/08/05	0595SM	Cell 33/34, Area 64B	32.69
09/08/05	0596SM	Cell 33/34, Area 64B	26.85
09/08/05	0597SM	Cell 33/34, Area 64B	30.48
09/08/05	0598SM	Cell 33/34, Area 64B	31.49
09/08/05	0599SM	Cell 33/34, Area 64B	31.65
09/09/05	0600SM	Cell 33/34, Area 64B	30.12
09/09/05	0601SM	Cell 33/34, Area 64B	31.11
09/09/05	0602SM	Cell 33/34, Area 64B	29.98
09/09/05	0603SM	Cell 33/34, Area 64B	32.07
09/09/05	0604SM	Cell 33/34, Area 64B	32.21
09/09/05	0605SM	Cell 33/34, Area 64B	32.00

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
09/09/05	0606SM	Cell 33/34, Area 64B	29.12
09/09/05	0607SM	Cell 33/34, Area 64B	32.53
09/09/05	0608SM	Cell 33/34, Area 64B	32.23
09/09/05	0609SM	Cell 33/34, Area 64D north	30.24
09/09/05	0610SM	Cell 33/34, Area 64B	29.84
09/09/05	0611SM	Cell 33/34, Area 64D north	30.61
09/09/05	0612SM	Cell 33/34, Area 64D north	31.63
09/12/05	0613SM	Cell 33/34, Area 64D north	30.98
09/12/05	0614SM	Cell 33/34, Area 64D north	31.82
09/12/05	0615SM	Cell 33/34, Area 64D north	32.81
09/12/05	0616SM	Cell 33/34, Area 64D north	31.91
09/12/05	0617SM	Cell 33/34, Area 64D north	30.44
09/12/05	0618SM	Cell 33/34, Area 64D north	31.93
09/12/05	0619SM	Cell 33/34, Area 64D north	31.63
09/12/05	0620SM	Cell 33/34, Area 64D north	31.46
09/12/05	0621SM	Cell 33/34, Area 64D north	30.99
09/12/05	0622SM	Cell 33/34, Area 64D north	31.33
09/12/05	0623SM	Cell 33/34, Area 64D north	32.30
09/12/05	0624SM	Cell 33/34, Area 64D north	31.57
09/12/05	0625SM	Cell 33/34, Area 64D north	31.33
09/13/05	0626SM	Cell 33/34, Area 64D north	30.19
09/13/05	0627SM	Cell 33/34, Area 64D north	30.43
09/13/05	0628SM	Cell 33/34, Area 64D north	31.37
09/13/05	0629SM	Cell 33/34, Area 64D north	30.06
09/13/05	0630SM	Cell 33/34, Area 64D north	32.25
09/13/05	0631SM	Cell 33/34, Area 64D north	30.96
09/13/05	0632SM	Cell 33/34, Area 64D north	31.25
09/13/05	0633SM	Cell 33/34, Area 64D north	30.51
09/13/05	0634SM	Cell 33/34, Area 64D north	32.22
09/13/05	0635SM	Cell 33/34, Area 64B	32.71
09/14/05	0636SM	Site Clean up, Area 64E	31.14
09/14/05	0637SM	Site Clean up, Area 64E	29.78
09/14/05	0638SM	Site Clean up, Area 64E	29.71
09/14/05	0639SM	Site Clean up, Area 64E	31.84
09/14/05	0640SM	Site Clean up, Area 64E	30.95
09/14/05	0641SM	Site Clean up, Area 64E	33.57
09/14/05	0642SM	Site Clean up, Area 64E	30.79
09/15/05	0643SM	Site Clean up, Area 64E	29.49
09/15/05	0644SM	Site Clean up, Area 64E	31.52
09/15/05	0645SM	Site Clean up, Area 64E	33.14
09/20/05	0646SM	Cell 31 Area 64Dsouth	30.98
09/20/05	0647SM	Cell 31 Area 64Dsouth	32.97
09/20/05	0648SM	Cell 31 Area 64Dsouth	30.80
09/20/05	0649SM	Cell 31 Area 64Dsouth	29.42
09/20/05	0650SM	Cell 31 Area 64Dsouth	32.37
09/20/05	0651SM	Cell 31 Area 64Dsouth	31.73
09/20/05	0652SM	Cell 31 Area 64Dsouth	30.94

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
09/20/05	0653SM	Cell 31 Area 64Dsouth	30.78
09/20/05	0654SM	Cell 31 Area 64Dsouth	32.04
09/20/05	0655SM	Cell 31 Area 64Dsouth	31.31
09/21/05	0656SM	Cell 31 Area 64Dsouth	29.06
09/21/05	0657SM	Cell 31 Area 64Dsouth	29.70
09/21/05	0658SM	Cell 31 Area 64Dsouth	30.92
09/21/05	0659SM	Cell 31 Area 64Dsouth	30.75
09/21/05	0660SM	Cell 31 Area 64Dsouth	31.60
09/21/05	0661SM	Cell 31 Area 64Dsouth	31.63
09/21/05	0662SM	Cell 31 Area 64Dsouth	31.23
09/21/05	0663SM	Cell 31 Area 64Dsouth	29.45
09/21/05	0664SM	Cell 31 Area 64Dsouth	29.70
09/21/05	0665SM	Cell 31 Area 64Dsouth	32.38
09/26/05	0666SM	Cell 35 Area 64Cnorth	33.52
09/26/05	0667SM	Cell 35 Area 64Cnorth	32.17
09/26/05	0668SM	Cell 35 Area 64Cnorth	28.66
09/26/05	0669SM	Cell 35 Area 64Cnorth	30.90
09/26/05	0670SM	Cell 35 Area 64Cnorth	29.52
09/26/05	0671SM	Cell 35 Area 64Cnorth	29.86
09/26/05	0672SM	Cell 35 Area 64Cnorth	29.94
09/26/05	0673SM	Cell 35 Area 64Cnorth	30.29
09/26/05	0674SM	Cell 35 Area 64Cnorth	31.58
09/26/05	0675SM	Cell 35 Area 64Cnorth	30.61
09/26/05	0676SM	Cell 35 Area 64Cnorth	30.61
09/26/05	0677SM	Cell 35 Area 64Cnorth	29.39
09/27/05	0678SM	Cell 35 Area 64Cnorth	31.16
09/27/05	0679SM	Cell 35 Area 64Cnorth	30.64
09/27/05	0680SM	Cell 35 Area 64Cnorth	30.67
09/27/05	0681SM	Cell 35 Area 64Cnorth	31.11
09/27/05	0682SM	Cell 35 Area 64Cnorth	32.68
09/27/05	0683SM	Cell 35 Area 64Cnorth	31.19
09/27/05	0684SM	Cell 35 Area 64Cnorth	30.37
09/27/05	0685SM	Cell 35 Area 64Cnorth	30.01
09/27/05	0686SM	Cell 35 Area 64Cnorth	31.04
09/27/05	0687SM	Cell 35 Area 64Bnorth	30.63
09/27/05	0688SM	Cell 35 Area 64Bnorth	30.61
09/27/05	0689SM	Cell 35 Area 64Bnorth	30.88
09/28/05	0690SM	Cell 35 Area 64Bnorth	33.77
09/28/05	0691SM	Cell 35 Area 64Bnorth	31.37
09/28/05	0692SM	Cell 35 Area 64Bnorth	32.13
09/28/05	0693SM	Cell 35 Area 64Bnorth	32.19
09/28/05	0694SM	Cell 35 Area 64Bnorth	31.16
09/28/05	0695SM	Cell 35 Area 64Bnorth	30.87
09/28/05	0696SM	Cell 35 Area 64Bnorth	30.28
09/28/05	0697SM	Cell 35 Area 64Bnorth	31.15
09/28/05	0698SM	Cell 35 Area 64Bnorth	31.16
09/28/05	0699SM	Cell 35 Area 64Bnorth	33.16

Date Shipped	Doc. Number	Stockpile Area	Net Weight (Tons) (1)
09/28/05	0700SM	Insitu Cell 35, Building 65	31.59
09/28/05	0701SM	Insitu Cell 35, Building 65	30.74
09/29/05	0702SM	Insitu Cell 35, Building 65	31.00
09/29/05	0703SM	Insitu Cell 35, Building 65	31.62
09/29/05	0704SM	Insitu Cell 35, Building 65	30.19
09/29/05	0705SM	Insitu Cell 35, Building 65	32.34
09/29/05	0706SM	Insitu Cell 35, Building 65	31.65
09/29/05	0707SM	Insitu Cell 35, Building 65	27.48
09/29/05	0708SM	Insitu Cell 35, Building 65	30.29
09/29/05	0709SM	Insitu Cell 35, Building 65	29.62
09/29/05	0710SM	Insitu Cell 35, Building 65	32.31
09/29/05	0711SM	Insitu Cell 35, Building 65	31.24
09/30/05	0712SM	Insitu Cell 35, Building 65	30.70
09/30/05	0713SM	Insitu Cell 35, Building 65	31.37
09/30/05	0714SM	Insitu Cell 35, Building 65	30.26
09/30/05	0715SM	Insitu Cell 35, Building 65	29.54
Total of Material Disposed			4,551.82

(1) Net weights established at the disposal facility except for shipments from 9/26/05 to 9/30/05
Net weights for shipments from 9/26/05 to 9/30/05 were established on site, the net weights from the facility are not yet available.

**Table 5- NPDES Sampling Results for Water Treatment System
September 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-WW000001-0-5S13	Influent	13-Sep-05	ND(0.26)	ND(0.26)	0.92	2.9	3.8
H2-WW000002-0-5S13	Intermediate	13-Sep-05	ND(0.013)	ND(0.013)	0.015	0.051	0.066
H2-WW000003-0-5S13	Effluent	13-Sep-05	ND(0.014)	ND(0.014)	ND(0.014)	0.027	0.027
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 6 - Daily Air Monitoring Results
September 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)
9/1/2005	Upwind	--	--
	Downwind	--	--
9/2/2005	Upwind	xx	xx
	Downwind	xx	xx
9/3/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
9/4/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
9/5/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
9/6/2005	Upwind	**	**
	Downwind	**	**
9/7/2005	Upwind	0.006	7
	Downwind	0.028	7
9/8/2005	Upwind	0.025	3
	Downwind	0.015	3
9/9/2005	Upwind	0.012	5
	Downwind	0.002	5
9/10/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
9/11/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
9/12/2005	Upwind	0.001	5
	Downwind	0.061	5
9/13/2005	Upwind	0.005	7
	Downwind	0.144	7
9/14/2005	Upwind	0.000	6
	Downwind	0.039	6
9/15/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
9/16/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
9/17/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
9/18/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
9/19/2005	Upwind	--	--
	Downwind	--	--
9/20/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
9/21/2005	Upwind	0.013	6
	Downwind	0.001	6
9/22/2005	Upwind	xx	xx
	Downwind	xx	xx
9/23/2005	Upwind	0.034	6
	Downwind	0.009	6
9/24/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend

Date Collected	Sample Location	Average Site Concentration (mg/m ³)	Average Period (Hours:Min)
9/25/2005	Upwind	Weekend	Weekend
	Downwind	Weekend	Weekend
9/26/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
9/27/2005	Upwind	0.002	5
	Downwind	0.001	5
9/28/2005	Upwind	0.000	6
	Downwind	0.013	6
9/29/2005	Upwind	N/A	N/A
	Downwind	N/A	N/A
9/30/2005	Upstream	0.000	6
	Downstream	0.000	6
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.

Exceedence on 9/13 believed to be due to instrument malfunction. No visible dust was observed. Instrument was zeroed prior to subsequent deployment. No further problems were encountered.

**Table 7- Daily Noise Monitoring Results
September 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	
9/1/2005	94.5	47.4	67.6	7.6
9/2/2005	xx	xx	xx	xx
9/3/2005	Weekend	Weekend	Weekend	Weekend
9/4/2005	Weekend	Weekend	Weekend	Weekend
9/5/2005	Weekend	Weekend	Weekend	Weekend
9/6/2005	**	**	**	**
9/7/2005	88.3	59.6	68.6	0.7
9/8/2005	98.9	56.9	73.1	3.3
9/9/2005	##	##	##	##
9/10/2005	Weekend	Weekend	Weekend	Weekend
9/11/2005	Weekend	Weekend	Weekend	Weekend
9/12/2005	##	##	##	##
9/13/2005	87.8	46.2	68.2	8.0
9/14/2005	81.3	43.5	55.9	6.3
9/15/2005	N/A	N/A	N/A	N/A
9/16/2005	N/A	N/A	N/A	N/A
9/17/2005	Weekend	Weekend	Weekend	Weekend
9/18/2005	Weekend	Weekend	Weekend	Weekend
9/19/2005	--	--	--	--
9/20/2005	N/A	N/A	N/A	N/A
9/21/2005	92.3	45.2	71.8	6.9
9/22/2005	xx	xx	xx	xx
9/23/2005	90.6	53.2	76.2	6.8
9/24/2005	Weekend	Weekend	Weekend	Weekend
9/25/2005	Weekend	Weekend	Weekend	Weekend
9/26/2005	N/A	N/A	N/A	N/A
9/27/2005	86.6	47.1	60.8	5.5
9/28/2005	75.8	49.1	54.6	6.0
9/29/2005	N/A	N/A	N/A	N/A
9/30/2005	93	66	72.6	4.0

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

**Table 8 - Daily Water Column Turbidity Monitoring Results
September 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)
			Reading 1	Reading 2	Average	
9/1/2005	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
9/2/2005	20	Downstream of Lyman Street Bridge	xx	xx	xx	xx
		Downstream of Holmes Road Bridge	xx	xx	xx	xx
9/3/2005	18	Downstream of Lyman Street Bridge	Weekend	Weekend	Weekend	Weekend
		Downstream of Holmes Road Bridge	Weekend	Weekend	Weekend	Weekend
9/4/2005	17	Downstream of Lyman Street Bridge	Weekend	Weekend	Weekend	Weekend
		Downstream of Holmes Road Bridge	Weekend	Weekend	Weekend	Weekend
9/5/2005	15	Downstream of Lyman Street Bridge	Weekend	Weekend	Weekend	Weekend
		Downstream of Holmes Road Bridge	Weekend	Weekend	Weekend	Weekend
9/6/2005	15	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
9/7/2005	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
9/8/2005	16	Downstream of Lyman Street Bridge	0.7	0.5	0.6	18.2
		Downstream of Holmes Road Bridge	0.4	1.5	0.9	20.3
9/9/2005	15	Downstream of Lyman Street Bridge	1.2	1.0	1.1	19.5
		Downstream of Holmes Road Bridge	1.5	1.4	1.4	20.3
9/10/2005	15	Downstream of Lyman Street Bridge	Weekend	Weekend	Weekend	Weekend
		Downstream of Holmes Road Bridge	Weekend	Weekend	Weekend	Weekend
9/11/2005	14	Downstream of Lyman Street Bridge	Weekend	Weekend	Weekend	Weekend
		Downstream of Holmes Road Bridge	Weekend	Weekend	Weekend	Weekend
9/12/2005	14	Downstream of Lyman Street Bridge	1.2	1.4	1.3	17.6
		Downstream of Holmes Road Bridge	0.7	0.5	0.6	18.9
9/13/2005	15	Downstream of Lyman Street Bridge	1.4	1.5	1.5	19.6
		Downstream of Holmes Road Bridge	1.3	1.1	1.2	20.8
9/14/2005	15	Downstream of Lyman Street Bridge	2.5	1.2	1.9	20.5
		Downstream of Holmes Road Bridge	1.1	1.0	1.0	21.4
9/15/2005	17	Downstream of Lyman Street Bridge	2.6	1.1	1.8	21.7
		Downstream of Holmes Road Bridge	1.2	2.3	1.8	22.1
9/16/2005	17	Downstream of Lyman Street Bridge	2.1	1.4	1.7	20.4
		Downstream of Holmes Road Bridge	0.3	0.3	0.3	20.1
9/17/2005	18	Downstream of Lyman Street Bridge	Weekend	Weekend	Weekend	Weekend
		Downstream of Holmes Road Bridge	Weekend	Weekend	Weekend	Weekend
9/18/2005	17	Downstream of Lyman Street Bridge	Weekend	Weekend	Weekend	Weekend
		Downstream of Holmes Road Bridge	Weekend	Weekend	Weekend	Weekend
9/19/2005	16	Downstream of Lyman Street Bridge	0.8	1.2	1.0	18.1
		Downstream of Holmes Road Bridge	1.1	2.5	1.8	19.4
9/20/2005	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
9/21/2005	18	Downstream of Lyman Street Bridge	1.2	1.3	1.2	18.0
		Downstream of Holmes Road Bridge	1.5	1.6	1.6	19.0
9/22/2005	17	Downstream of Lyman Street Bridge	1.0	1.4	1.2	17.8
		Downstream of Holmes Road Bridge	2.4	1.0	1.7	18.9
9/23/2005	16	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

Date	Flow at Coltsville (cfs)	Location	Turbidity (ntu)			Temperature Average (°C)
			Reading 1	Reading 2	Average	
9/24/2005	15	Downstream of Lyman Street Bridge	Weekend	Weekend	Weekend	Weekend
		Downstream of Holmes Road Bridge	Weekend	Weekend	Weekend	Weekend
9/25/2005	16	Downstream of Lyman Street Bridge	Weekend	Weekend	Weekend	Weekend
		Downstream of Holmes Road Bridge	Weekend	Weekend	Weekend	Weekend
9/26/2005	20	Downstream of Lyman Street Bridge	2.1	1.7	1.9	15.1
		Downstream of Holmes Road Bridge	5.6	4.2	4.9	15.8
9/27/2005	31	Downstream of Lyman Street Bridge	2.8	0.7	1.8	16.6
		Downstream of Holmes Road Bridge	5.3	1.6	3.5	17.4
9/28/2005	24	Downstream of Lyman Street Bridge	1.9	1.3	1.6	14.9
		Downstream of Holmes Road Bridge	3.4	0.9	2.1	16.4
9/29/2005	25	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
9/30/2005	25	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

**Table 9- Summary of Turbidity, PCB, and TSS Water Column Monitoring Results
September 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)	Sample ID	Total PCB Concentration (ug/l)	Filtered PCB Concentration (ug/l)	TSS (mg/l)
			Read 1	Read 2	Daily Average					
Upstream of Newell St. Bridge	08/16/05	21	NS	NS	NS	NS	H0-SW000054-0-5G16	0.018	ND(0.013)	5.2
Downstream of Lyman St. Bridge	08/16/05	21	*	*	4.7	23.4	H2-SW000055-0-5G16	0.034	ND(0.013)	4.9
Downstream of Holmes Rd. Bridge	08/16/05	21	*	*	2.9	#	H3-SW000006-0-5G16	0.10	0.022	4.6
Downstream of Holmes Rd. Bridge (duplicate)	08/16/05	21	*	*	2.9	#	H3-SW000006-1-5G16	NS	0.040	NS
Upstream of Newell St. Bridge	09/08/05	16	NS	NS	NS	NS	H0-SW000054-0-5S08	NS	NS	NS
Downstream of Lyman St. Bridge	09/08/05	16	0.7	0.5	0.6	18.2	H2-SW000055-0-5S08	0.016	ND(0.013)	4.6
Downstream of Holmes Rd. Bridge	09/08/05	16	0.4	1.5	0.9	20.3	H2-SW000006-0-5S08	0.15	0.036	3.5
Downstream of Holmes Rd. Bridge (duplicate)	09/08/05	16	0.4	1.5	0.9	20.3	H2-SW000006-1-5S08	0.16	NS	NS
Upstream of Newell St. Bridge	09/21/05	18	NS	NS	NS	NS	H0-SW000054-0-5S21	NR	NR	NR
Downstream of Lyman St. Bridge	09/21/05	18	1.2	1.3	1.2	18.0	H2-SW000055-0-5S21	NR	NR	NR
Downstream of Holmes Rd. Bridge	09/21/05	18	1.5	1.6	1.6	19.0	H3-SW000006-0-5S21	NR	NR	NR

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.

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

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

**Table 10 - PCB Air Sampling Results
September 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-AR000007-0-5S13	AR000007	13-Sep-05	NR	NR	NR	NR	NR
H2-AR000047-0-5S13	AR000047	13-Sep-05	NR	NR	NR	NR	NR
H2-AR000047-1-5S13 (duplicate)	AR000047	13-Sep-05	NR	NR	NR	NR	NR
H2-AR000048-0-5S13	AR000048	13-Sep-05	NR	NR	NR	NR	NR
H2-AR000049-0-5S13	AR000049	13-Sep-05	NR	NR	NR	NR	NR

Notes:

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

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

1- See Figure 1 for locations

Air sampling at the background location (Fred Garner Park) was discontinued as the park became an active work area. Therefore sampling location AR000007 became a sampling location within an active construction area.

NR - Not yet reported

**Table 11 - Equipment Confirmatory Wipe Samples
September 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-XI000250-0-5S20	20-Sep-05	ND(0.25)	ND(0.25)	0.94	0.94
H2-XI000251-0-5S20	20-Sep-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 12 - Post Excavation Soil/ Sediment Stockpile Characterization Analytical Results
September 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-OT000287-0-5G12	H2-OT000295-0-5S13	H2-OT000296-0-5S14	H2-OT000298-0-5S27
Sample type	stockpile material characterization	stockpile material characterization	stockpile material characterization	stockpile material characterization
Date Collected	8/12/2005	09/13/2005	09/14/2005	09/27/2005
Stockpile Location	Area 64D	Area 64C	Area 64B	Area 64D
Analyte				
PCBS				
AROCLOR-1254	4.1	1.5	0.85	2.7
AROCLOR-1260	39.0	10.0	3.8	17.0
PCB, TOTAL	43.0	12.0	4.7	20.0
INORGANICS				
PAINT FILTER LIQUIDS (ml)	ABSENT	ABSENT	ABSENT	ABSENT
PERCENT SOLIDS (%)	92.0%	92.0%	88.9%	87.4%

Notes:

Only detected constituents are summarized

NR - Not yet reported

**Table 12 - Post Excavation Soil/ Sediment Stockpile Characterization Analytical Results
September 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-OT000299-0-5S27	H2-OT000300-0-5S27	H2-OT000301-0-5S27	H2-OT000302-0-5S30
Sample type	stockpile material characterization	stockpile material characterization	stockpile material characterization	stockpile material characterization
Date Collected	09/27/2005	09/27/2005	09/27/2005	09/30/2006
Stockpile Location	Area 64D	Area 64C	Building 65	Area 64C
Analyte				
PCBS				
AROCLOR-1254	2.2	9.2	8.9	NR
AROCLOR-1260	9.0	20.0	24.0	NR
PCB, TOTAL	11.0	29.0	33.0	NR
INORGANICS				
PAINT FILTER LIQUIDS (ml)	ABSENT	ABSENT	ABSENT	NR
PERCENT SOLIDS (%)	87.3%	85.0%	88.5%	NR

Notes:

Only detected constituents are summarized

NR - Not yet reported



Photograph 1 – Excavation/Load out Activities in Cell 35



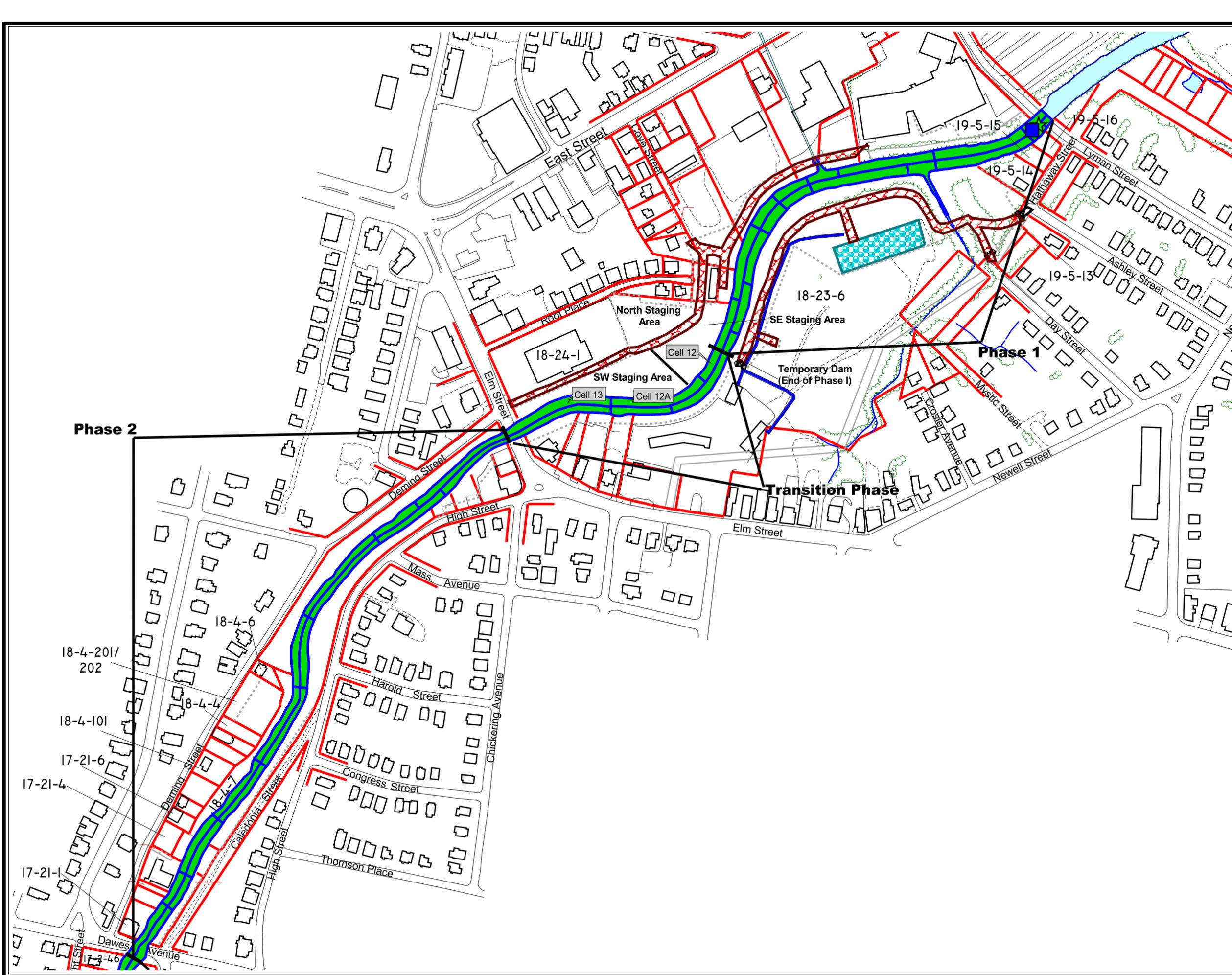
Photograph 2 – Cell 35 Excavation Activities Completed



Photograph 3 – Backfill Activities in Cell 35



Photograph 4 – Backfill Activities in Cell 35



LEGEND

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

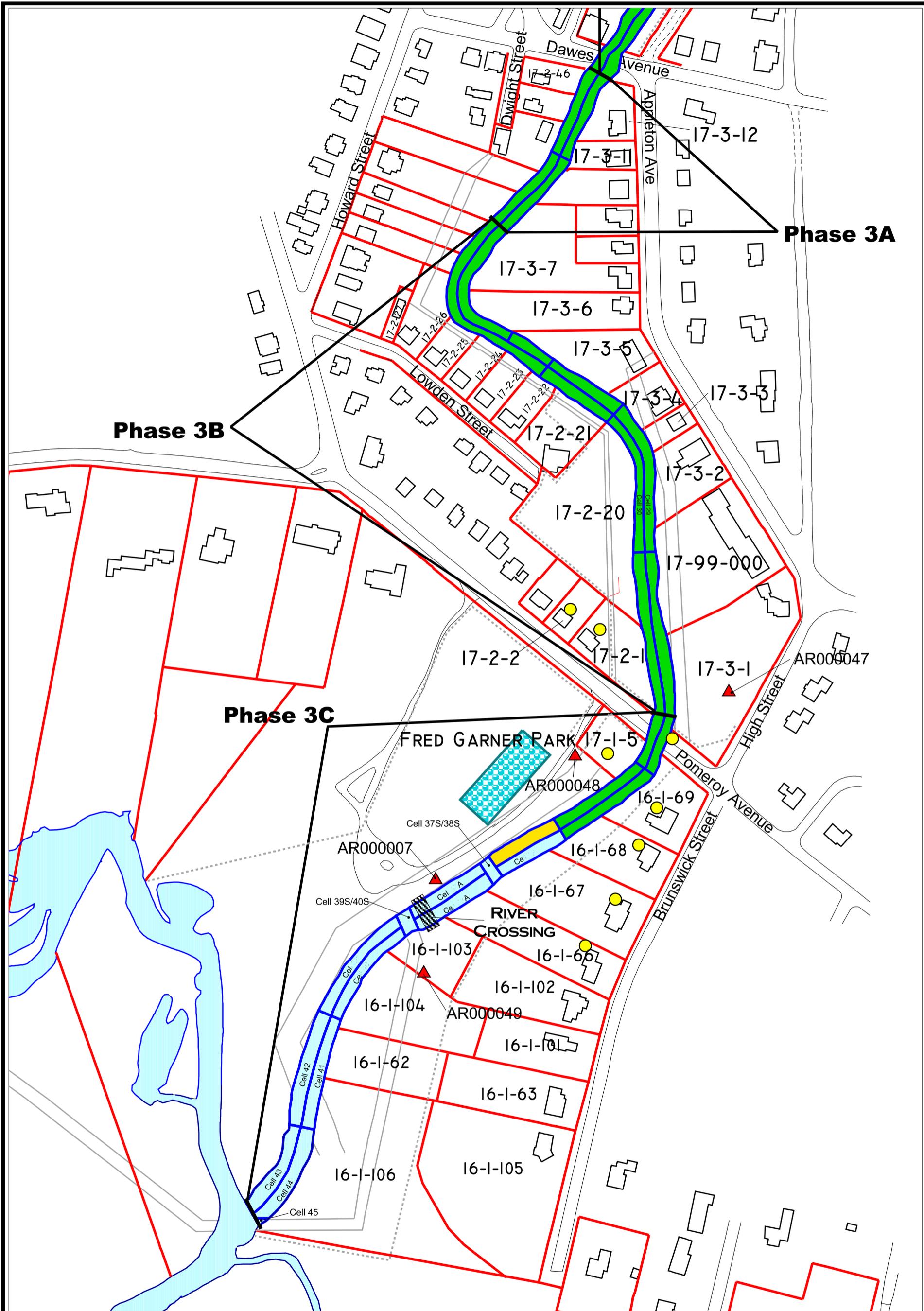
*Note: As-built features were located using a real time GPS unit



Scale in Feet



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



Phase 3B

Phase 3A

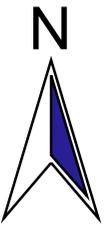
Phase 3C

FRED GARNER PARK

RIVER CROSSING

LEGEND

- Surface Water
- Water Treatment Plant
- Property Lines
- Work Completed
- Work In Progress
- Work Pending
- Site Security 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)
September 2005 Monthly Report