

**United States Environmental Protection Agency
EPA New England
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August 09, 2004

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Commissioner of Public Works and Utilities, City of Pittsfield
Public Information Repositories

RE: July 2004 Monthly Report
1.5 Mile Reach Removal Action
GE-Pittsfield/Housatonic River Site

Enclosed please find the July 2004 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 2004, 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 riverbed power washing activities in Cells 16 and 17. Backfilling activities in Cells 16 and 17 continued. Excavation activities were initiated in Cell 18. In addition, transfer of TSCA and non-TSCA materials from the stockpile management areas to the GE On Plant Consolidation Areas (OPCAs) was performed. Also, transfer of non-TSCA and NAPL-impacted materials from the stockpile management areas to approved off-site facilities was continued.

2. Chronological description of tasks performed

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

By the end of June 2004, excavation activities in Cell 16W were completed and backfilling activities in Cells 16W were ongoing. Also by the end of June 2004, the majority of excavation activities in Cell 17W were completed and backfilling in the upstream end of Cell 17W was initiated. During the first week in July, the last of NAPL-impacted riverbank material was removed from the downstream end of Cell 17W and transported to the Building 65 stockpile management area. (See Table 1 for quantities of material generated in the month of July 2004 and Table 2 for quantities of material generated to date). Backfilling activities in Cells 16W and 17W continued. Due to the presence of bedrock within the entire riverbed of Cells 16 and 17, excavation depths varied. Therefore, various backfill configurations were developed to meet the design requirements. Twelve inch riprap was placed in low lying areas and depressions in the bedrock to bring the excavated surface up to grade. Areas of the riverbed where the excavation depth was greater than 3 feet were backfilled with a layer of common fill, filter material, and 12-inch riprap. Areas of the riverbed where the excavation depth was less than 2.5 feet were backfilled with a layer of filter material and 12-inch riprap. Areas of the riverbed where bedrock was encountered at very shallow depths were either backfilled with filter material or were left with the bedrock exposed. The riverbank was backfilled with common fill or structural fill, a six inch layer of filter material and an 18-inch layer of 12-inch riprap up to an elevation ranging between 971 feet and 972 feet. The riverbank above those elevations was backfilled with common fill and a 6-inch layer of top soil.

Other activities during the first week of July included general site maintenance activities. Blind flanges were fabricated and installed as drainage ports onto the 54-inch river diversion pipe for dewatering purposes.

During the second week in July, backfilling activities in the riverbed and riverbank up to an elevation ranging between 971 feet and 972 feet in Cells 16W and 17W were completed. The

riverbank backfilling activities above elevations 971 and 972 continued. Once backfill was placed in the riverbed and on the riverbank up to elevation 971 and 972, activities associated with 54-inch HDPE pipe relocation were initiated. All construction equipment and supplies were removed from the riverbed, stop logs were removed from the temporary dam and the river channel downstream of the temporary dam was flooded with enough water to float the pipe across the river channel. The two 54-inch HDPE pipes were relocated from the east side to the west side of the river channel. Once the relocation was completed the pipes were then reconnected to the pipe restraint system. The steel plate energy dissipater at the 54-inch pipe outfall located one hundred feet upstream of the Dawes Avenue Bridge became dislodged during the pipe move requiring it to be reset.

Surveying activities continued in Cells 16 and 17. Final restoration verification surveying activities were initiated in Cell 16W and 17W along with staking out final topsoil grades on riverbanks above elevation 971 and 972. The delineation of the excavation limits as well as the delineation of the TSCA and non-TSCA excavation limits in Cells 16E and 17E was completed.

Once the relocation of the 54-inch pipes to the west side of the river channel and the survey activities in Cells 16E and 17E were completed the river channel was dewatered by pumping the water down to 6 inches in depth downstream of the excavation areas and the water below 6 inches in depth was diverted to the water treatment system. A temporary sand bag dam was built on the downstream end of Cell 17 to prevent water backing up into the excavation areas. Once the dewatering process was complete, the TSCA and non-TSCA riverbank excavation activities in Cells 16E and 17E were initiated. The excavated riverbank material from Cell 16E was placed into a roll-off box located in the river channel in Cell 16E. The material was then loaded into dump trucks by a long stick excavator located on the load out area on the riverbank of Cell 16E and hauled to the appropriate stockpile management area. Once the majority of Cell 16E riverbank was excavated, the roll-off box was relocated to the Cell 17E river channel and Cell 17E riverbank excavation was initiated. The excavated riverbank material from Cell 17E was placed into the roll-off box mentioned above. The material was then loaded into dump trucks by a long stick excavator located on the Deming Street load out area and hauled to the appropriate stockpile management area. The non-TSCA riverbank material pre-characterized for offsite disposal was transported to Area 64D; the non-TSCA riverbank material uncharacterized for offsite disposal was transported to Area 64C; and the TSCA riverbank material was transported to Area 64A stockpile management area.

Also, during the second week in July the installation of a riprap swale on the riverbank in Cell 16W was completed. The swale was necessary to repair and prevent riverbank erosion caused by storm water coming from Deming Street. During the swale construction, approximately 20 CY of riverbank material was excavated from the Cell 16W riverbank and transported to Area 64C stockpile management area.

Other activities during the second week in July included placement of hay bails along the Root Place swale to prevent erosion. Maintenance work was performed on the 8-inch force main. The force main was also relocated above the work limits of Cells 16W and 17W. Maintenance work was also completed on all the access ramps to the river channel. The installation of the 4-foot security fence along Parcel I7-21-4 was completed.

During the third week in July, the riverbank excavation activities in Cell 16E and 17E were nearly completed and the TSCA and non-TSCA riverbed excavation activities were initiated. The non-TSCA riverbank material pre-characterized for offsite disposal was excavated and transported to Area 64D; the non-TSCA riverbed material uncharacterized for offsite disposal was transported to Area 64C; the riverbed cobble material was transported to Area 64E; the TSCA material was transported to Area 64A stockpile management area.

A substantial quantity of NAPL-impacted material was encountered during the riverbed excavation in both Cell 16E and 17E. NAPL-impacted material was also encountered at the toe of the riverbank in Cell 16E. Due to the large quantity of NAPL-impacted material generated during the excavation of Cells 16W and 17W, the Building 65 stockpile management area was filled to capacity. Therefore, the Cell 16E and 17E NAPL-impacted material was transported to the Building 63 stockpile management area. In some riverbed areas, the NAPL material overlapped into the TSCA areas. This material was excavated and transported to the Building 68 stockpile management area. All of the water and the free flowing NAPL from the excavation areas were diverted to the water treatment system.

Bedrock was encountered in the entire river bottom of Cell 16E and 17E. In addition to the standard excavation equipment, a small track excavator was used to access and remove the NAPL-impacted material from the areas of the river bottom where crevasses and depressions in the weathered bedrock were numerous. In most areas, there was less than 2-feet of sediment above the bedrock. Most of the bedrock within the riverbed was stained with NAPL. The high pressure power washing of bedrock to remove any loose sediment and NAPL staining was initiated. High pressure power washing of bedrock was supplemented with a vacuum truck to remove any residual sediment and NAPL from the bedrock. All water generated during the power washing was diverted to the water treatment system. All the residual sediment material was collected into roll off boxes located in the riverbed and subsequently transferred to the water treatment system modutank. In areas of the riverbed in Cell 16E and 17E where NAPL-impacted material was removed and where fractures in the underlying bedrock were encountered, the bedrock was encapsulated with a concrete mixture.

Most of the depressions in the underlying bedrock in Cells 16E and 17E were two to three feet below the original grade. However, in one twenty-five by fifteen foot area in Cell 16E, bedrock was not encountered within the top three feet of the original grade. Due to the presence of NAPL-impacted material, the excavation depth was extended to eight feet below grade, where bedrock was encountered. All the NAPL impacted material was excavated from this depression and the area was power washed and prepared for the installation of grout and backfill materials. It was observed that the depression had several bedrock fractures, therefore, there was the potential for NAPL to seep out into the restored riverbed in the future. Therefore, a layer of 12-inch riprap was installed on the bottom of the depression followed by a layer of filter stone. Next, a 6-inch PVC pipe was installed into the area for possible recovery of any seeping NAPL in the future. The depression was then encapsulated with a concrete grout mixture. This concluded the excavation activities in Cell 16E.

During the fourth week in July, the riverbed and riverbank excavation activities in Cell 17E were completed. The non-TSCA riverbank material pre-characterized for offsite disposal was excavated and transported to Area 64D. Additional NAPL-impacted material was encountered

during the riverbed excavation in Cell 17E. The small track excavator was continuously used to access and remove the NAPL-impacted material from the areas of the river bottom where the weathered bedrock contained crevasses and depressions. All excavated NAPL material was transported to the Building 63 stockpile management area. Once the excavation activities were completed the riverbed power washing and vacuuming were initiated.

In one area twenty-five by fifty foot area of the riverbed in Cell 17E (directly opposite of the NAPL deep hole in Cell 17W) the NAPL extended six feet into the riverbed. There appeared to be remnants of a timber dam in this area. This area required the concrete grout encapsulation and the NAPL recovery system had to extend from the Cell 17W into this area. (The details of the NAPL recovery write up can be found in the June 2004 monthly report. Note that the June monthly report contained an error. The depth of excavation in the deep hole in Cell 17W was reported as eighteen feet below original grade. The actual excavation depth was 11 feet below original depth)

Also, during the fourth week of July, the riverbed power washing activities in Cell 16E were completed. The survey contractor completed the final excavation verification survey in Cell 16E and backfilling activities were initiated. Due to the presence of bedrock within the entire riverbed of Cells 16 and 17, excavation depths varied. Therefore, various backfill configurations were developed to meet the design requirements. Where there were low lying areas and depressions in the bedrock 12-inch riprap was utilized to bring the excavated surface up to grade. Areas of the riverbed where the excavation depth was greater than 3 feet were backfilled with a layer of common fill, filter material and then 12-inch riprap. Areas of the riverbed where the excavation depth was less than 2.5 feet were backfilled with a layer of filter material followed by 12-inch riprap. Areas of the riverbed where bedrock was encountered at very shallow depths were either backfilled with filter material or were left with the bedrock exposed. The riverbank was backfilled with common fill or structural fill, a six inch layer of filter material and an 18-inch layer of 12-inch riprap up to an elevation ranging between 971 feet and 972 feet. The riverbank above those elevations was backfilled with common fill and a minimum 6-inch layer of top soil.

Also, riverbank backfilling activities continued in Cells 16W and 17W above elevations 971 and 972. Common fill was installed in twelve inch horizontal lifts and compacted to meet the 95% compaction requirement. Then, an eight inch layer of topsoil, erosion control blankets and herbaceous seed mix were installed.

Other activities completed during the fourth week in July included the completion of the construction of the wood façade roof over the wale on the return section of the anchored sheetpile retaining wall. Also, power washing of the large boulders excavated from Cell 16 and 17 was initiated. The large boulders will be re-used as aquatic enhancement boulders in future riverbed restoration activities.

In addition, the work associated with resetting the steel plate energy dissipater at the 54-inch pipe outfall located one hundred feet upstream of the Dawes Avenue Bridge was completed. The dissipater became dislodged during the pipe relocation at the beginning of the month.

Activities associated with tree clearing and grubbing were initiated on Parcel I7-21-3.

During the last week of July, the bedrock power washing activities in Cell 17W were completed. Activities associated with the installation of the extension of the NAPL interceptor system into the Cell 17E NAPL hole were completed. The survey contractor completed the final excavation survey in the upstream end of Cell 17E and backfilling activities were initiated in Cell 17E in both the riverbed and riverbanks. Backfilling of Cell 17E was initiated in accordance with the backfill configurations described above.

Riverbed and riverbank backfilling activities in Cell 16E were completed. The survey contractor initiated the final restoration survey.

Also, riverbank backfilling activities continued in Cells 16W and 17W above elevations 971 and 972. Common fill was installed in twelve inch horizontal lifts and compacted to meet the 95% compaction requirement. Then, an eight inch layer of topsoil, erosion control blankets and herbaceous seed mix were installed.

Also during the last week in July, the installation of two riprap swales on the riverbank in Cell 16E and 17E was completed. The swales were necessary to prevent riverbank erosion caused by storm water coming from High Street and Harold Street. During the swale construction approximately 20 CY of riverbank material was excavated from the Cell 16E and 17E riverbank and transported to Area 64B stockpile management area. Also, during the swale construction it was noticed that the actual Harold Street outfall pipe was old and damaged. The portion of the pipe that was damaged was replaced with a new outfall pipe.

Activities associated with preparation of Cell 18 for excavation activities were initiated. Dewatering of Cell 18E was completed. Installation of sumps and trenches in Cell 18 was completed. The roll-off box (for excavated material) was moved to Cell 18E riverbed. Construction of a load out area on the Cell 18W riverbank was initiated. During the construction of the load out area, approximately 30CY of non-TSCA riverbank material pre-characterized for offsite disposal was excavated and transported to Area 64D.

Activities associated with tree clearing and grubbing on Parcel I7-21-3 continued. Drainage weep holes were installed approximately twenty feet apart with one-inch diameter holes on the walers of the anchored sheetpile retaining wall located on Parcel I8-10-4. Maintenance work on tightening the anchors for the 54-inch pipe restraint system was performed.

During the month of July, the water treatment system treated water from Cells 16, 17 and 18. Sampling of the water treatment system for parameters included in the NPDES exclusion permit was performed on July 16, 2004. An additional two samples were collected from the water treatment system, one sample between the modutank and the oil/water separator and the other between the sand and carbon filter. Also, due to the presence of NAPL in Cells 16 and 17, the analytical parameters for the water treatment system sampling were expanded to include volatiles and semi-volatiles. 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 07, 2004 and July 22, 2004. The monthly PCB air-monitoring event was performed on July 10, 2004. Confirmatory PCB wipe samples were collected on decontaminated equipment. Four eight-point composite off-site disposal characterization samples were collected from NAPL-impacted

material from Cells 16W and 17W (currently stockpiled in Building 65) on July 06, 2004. In addition, four more eight-point composite off-site disposal characterization samples were collected from the NAPL-impacted material in Building 65 on July 22, 2004 for PCB analysis only. Two eight-point composite off-site disposal characterization samples were collected on July 15, 2004 from the previously uncharacterized soils and sediments excavated from Cells 16 and 17 (currently stockpiled in Area 64C). One eight-point composite off-site disposal characterization sample was collected from NAPL-impacted material from Cells 16E and 17E (currently stockpiled in Building 68) on July 22, 2004. In addition, two more eight-point composite off-site disposal characterization samples were collected from the NAPL-impacted material in Building 68 on July 28, 2004 for PCB analysis only. Three eight-point composite off-site disposal characterization samples were collected from NAPL-impacted material from Cells 16E and 17E (currently stockpiled in Building 63) on July 26, 2004. Sampling of Common Fill for chemical parameters was performed on July 22, 2004 and topsoil sampling was performed on July 27, 2004.

Geotechnical samples were collected for common fill, filter stone, 12-inch rip rap and topsoil. The results of the geotechnical testing are not included in the monthly report but are contained in other submittals and are available upon request.

The transfer of TSCA materials from the Building 63 and Area 64A stockpile management area to the Building 71 OPCA was performed on July 06, 2004 and July 15, 2004. The transfer of non-TSCA cobble materials from the Area 64E stockpile management area to the Hill 78 OPCA was performed on July 16, 2004. (See Table 3 for a summary of material transported to the OPCAs during the month of July 2004 and Table 4 for a summary of material transported to the OPCAs for the project through July 2004.)

Also, Cell 16 and 17 pre-characterized non-TSCA riverbank materials from Area 64D, the non-TSCA post excavation characterized riverbank and riverbed materials from Area 64C north and the NAPL impacted non-TSCA post excavation characterized riverbank and riverbed materials from Building 68 and Building 65 were transported to the Waste Management of New Hampshire-TREE, Rochester, NH from July 01, 2004 to July 30, 2004. (See Table 5 for a summary of material transported to the Waste Management of New Hampshire-TREE, Rochester, NH during the month of July 2004.)

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. A vacuum truck was utilized to collect the water runoff from the stockpiled material. The water was then transported to the water treatment system. Dust control procedures continued for access roads, parking areas, and material storage areas.

Traffic control was conducted on Lyman Street, High Street, Deming Street and Elm Street 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 16, 2004, the non-PCB data associated with the water treatment system sampling on July 16, 2004 is presented in Table 6a. The results of the daily particulate air monitoring program are summarized 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 July 09, 2004, are presented in Table 9. The PCB and TSS sample data for the water column samples collected on July 22, 2004 are not yet available. Analytical results for the PCB air sampling conducted on July 10, 2004 are provided in Table 10. Analytical results for the SVOC air sampling conducted in Building 65 stockpile management area on June 24, 2004 are provided in Table 11. Table 12 presents confirmatory PCB wipe sample results collected on decontaminated equipment. Analytical results for post-excavation characterization samples collected on July 15, 2004, from the Cells 16 and 17, (Area 64C soil and sediment stockpile) are presented in Table 13. Post-excavation characterization sample results for NAPL-impacted material (Building 65, Building 68 and Building 63 stockpile management areas) collected on July 06, 2004, July 22, 2004, July 26, 2004 and July 28, 2004 are summarized in Table 14. Table 15 presents data associated with NAPL-impacted sediment collected in Cell 17W on June 17, 2004 and June 23, 2004. Additional PCB sample results associated with the in-situ disposal characterization sampling collected on June 23, 2004, June 24, 2004 and June 29, 2004 are summarized in Table 16. Analytical data associated with sampling of Common Fill performed on July 22, 2004 and topsoil performed on July 27, 2004 is not yet available.

4. Diagrams associated with the tasks performed

Figure 1 is a map of Phase 1, the Transition Phase and Phase 2 and includes the layout of all excavation cells, temporary dam, water monitoring locations, air sampling locations, access road locations, excavation load out locations, staging area locations, fence line location, the water treatment system pad location, and the utility trench location.

5. Reports received and prepared

Vibration monitoring activities were not performed during the month of July.

6. Photo documentation of activities performed

See attached photos.

7. Brief description of work to be performed in August 2004

- Complete backfill activities in Cells 16E and 17E.
- Complete excavation activities in Cell 18E and 19E.
- Initiated backfill activities in Cell 18E and 19E.
- Initiate backfill activities in Cell 18W and 19W.
- Continue stockpile management activities at Buildings 63, 65, 68 and Area 64 (outside contaminated material stockpile area).
- Continue transfer the non-TSCA materials from the stockpile management areas to approved off-site facilities.
- Continue to transfer TSCA and non-TSCA cobble material to the OPCAs.
- Continue daily air 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).

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 Waste Management of New Hampshire TREE in Rochester, NH 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 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. SVOC Air Sampling Results from Building 65

Table 12. Equipment Confirmatory Wipe Sample Results

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

Table 14. Cell 16/17 NAPL-Impacted Material Characterization Analytical Results

Table 15. NAPL-Impacted Sediment from Cell 16W Analytical Results

Table 16. Additional In-situ Riverbank Characterization Sampling Analytical Results

Figure 1- 1.5 Mile Removal Action Site Map

Photodocumentation

**Table 1 - Quantity of Bank and Sediment Material Generated During the Month of July
July 2004 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 | | | | |
| 7/1/2004 | Cell 17W | 0 | 0 | 90 |
| 7/2/2004 | Cell 17W | 0 | 0 | 25 |
| 7/6/2004 | Cell 16W | 20 | 0 | 0 |
| 7/7/2004 | Cell 16E | 60 | 0 | 0 |
| 7/8/2004 | Cell 16E | 360 | 40 | 0 |
| 7/9/2004 | Cell 16E&17E | 370 | 0 | 0 |
| 7/10/2004 | Cell 17E | 90 | 180 | 0 |
| 7/12/2004 | Cell 16E | 0 | 120 | 120 |
| 7/13/2004 | Cell 16E&17E | 170 | 20 | 200 |
| 7/14/2004 | Cell 17E | 150 | 20 | 180 |
| 7/15/2004 | Cell 16E&17E | 60 | 20 | 50 |
| 7/16/2004 | Cell 16E | 0 | 0 | 90 |
| 7/20/2004 | Cell 17E | 53 | 0 | 10 |
| 7/22/2004 | Cell 17E | 0 | 0 | 30 |
| 7/23/2004 | Cell 17E | 0 | 0 | 30 |
| 7/28/2004 | Cell 16E&17E | 20 | 0 | 0 |
| 7/30/2004 | Cell 18W | 30 | 0 | 0 |
| | Monthly total from bank soil and sediment | 1,383 | 400 | 825 |

Note:

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

**Table 2 - Quantity of Bank and Sediment Material Excavated to Date
July 2004 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 07/18/03 | 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 |
| 5/25/04 to 07/30/04 | Cell 16&17 | 4,392 | 820 | 3,191 | 8,403 |
| | Total | 31,592 | 6,706 | 6,068 | 44,366 |

Note:

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

**Table 3 - Quantity of Material Transferred to OPCAs During the Month of July
July 2004 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 | | | |
| 7/6/2004 | 45 | 0 | 495 |
| 7/15/2004 | 31 | 0 | 341 |
| 7/16/2004 | 36 | 396 | 0 |
| Monthly totals | 112 | 396 | 836 |

Note:

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

(1) Estimated at 11 cy per truck

**Table 4 - Quantity of Material Transferred to OPCAs to Date
July 2004 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) |
| Project Totals | | 25,086 | 9,006 |

Note:

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 Waste Management of New Hampshire-
TREE, Rochester, N.H.
During the Month of July
July 2004 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) |
|---------------------|--------------------|-----------------------------|------------------------------|
| 07/01/04 | 0217WMNH | Cell 16/17 Area 64CNorth | 32.25 |
| 07/01/04 | 0218WMNH | Cell 16/17 Area 64CNorth | 30.84 |
| 07/01/04 | 0219WMNH | Cell 16/17 Area 64CNorth | 28.17 |
| 07/01/04 | 0220WMNH | Cell 16/17 Area 64CNorth | 29.64 |
| 07/01/04 | 0221WMNH | Cell 16/17 Area 64CNorth | 28.84 |
| 07/01/04 | 0222WMNH | Cell 16/17 Area 64CNorth | 30.04 |
| 07/01/04 | 0223WMNH | Cell 16/17 Area 64CNorth | 28.90 |
| 07/02/04 | 0224WMNH | Cell 16/17 Area 64CNorth | 28.75 |
| 07/02/04 | 0225WMNH | Cell 16/17 Area 64CNorth | 28.18 |
| 07/02/04 | 0226WMNH | Cell 16/17 Area 64CNorth | 31.22 |
| 07/02/04 | 0227WMNH | Cell 16/17 Area 64CNorth | 30.57 |
| 07/02/04 | 0228WMNH | Cell 16/17 Area 64CNorth | 28.98 |
| 07/02/04 | 0229WMNH | Cell 16/17 Area 64CNorth | 31.26 |
| 07/02/04 | 0230WMNH | Cell 16/17 Area 64CNorth | 28.67 |
| 07/02/04 | 0231WMNH | Cell 16/17 Area 64CNorth | 32.89 |
| 07/02/04 | 0232WMNH | Cell 16/17 Area 64CNorth | 32.12 |
| 07/02/04 | 0233WMNH | Cell 16/17 Area 64CNorth | 31.45 |
| 07/02/04 | 0234WMNH | Cell 16/17 Area 64CNorth | 29.07 |
| 07/07/04 | 0235WMNH | Cell 16/17 Area 64CNorth | 31.49 |
| 07/07/04 | 0236WMNH | Cell 16/17 Area 64CNorth | 29.83 |
| 07/07/04 | 0237WMNH | Cell 16/17 Area 64CNorth | 28.64 |
| 07/07/04 | 0238WMNH | Cell 16/17 Area 64CNorth | 28.64 |
| 07/07/04 | 0239WMNH | Cell 16/17 Area 64CNorth | 31.27 |
| 07/07/04 | 0240WMNH | Cell 16/17 Area 64CNorth | 34.20 |
| 07/07/04 | 0241WMNH | Cell 16/17 Area 64CNorth | 33.06 |
| 07/07/04 | 0242WMNH | Cell 16/17 Area 64CNorth | 29.51 |
| 07/07/04 | 0243WMNH | Cell 16/17 Area 64CNorth | 30.02 |
| 07/07/04 | 0244WMNH | Cell 16/17 Area 64CNorth | 31.41 |
| 07/08/04 | 0245WMNH | Cell 16/17 Area 64CNorth | 31.14 |
| 07/08/04 | 0246WMNH | Cell 16/17 Area 64CNorth | 29.68 |
| 07/08/04 | 0247WMNH | Cell 16/17 Area 64CNorth | 28.43 |
| 07/08/04 | 0248WMNH | Cell 16/17 Area 64CNorth | 29.60 |
| 07/08/04 | 0249WMNH | Cell 16/17 NAPL Building 68 | 29.11 |
| 07/08/04 | 0250WMNH | Cell 16/17 Area 64CNorth | 31.46 |
| 07/08/04 | 0251WMNH | Cell 16/17 NAPL Building 68 | 32.04 |

| Date Shipped | Doc. Number | Stockpile Area | Net Weight (Tons) (1) |
|--------------|--------------|-----------------------------|-----------------------|
| 07/08/04 | 0252WMNH | Cell 16/17 NAPL Building 68 | 29.45 |
| 07/08/04 | 0253WMNH | Cell 16/17 NAPL Building 68 | 31.94 |
| 07/08/04 | 0254WMNH | Cell 16/17 Area 64CNorth | 31.83 |
| 07/08/04 | 0255WMNH | Cell 16/17 Area 64CNorth | 32.41 |
| 07/09/04 | 0256WMNH | Cell 16/17 NAPL Building 68 | 30.36 |
| 07/09/04 | 0257WMNH | Cell 16/17 NAPL Building 68 | 28.53 |
| 07/09/04 | 0258WMNH | Cell 16/17 NAPL Building 68 | 32.07 |
| 07/09/04 | 0259WMNH | Cell 16/17 NAPL Building 68 | 30.83 |
| 07/09/04 | 0260WMNH | Cell 16/17 NAPL Building 68 | 31.83 |
| 07/09/04 | 0261WMNH | Cell 16/17 NAPL Building 68 | 30.29 |
| 07/09/04 | 0262WMNH | Cell 16/17 NAPL Building 68 | 30.87 |
| 07/09/04 | 0263WMNH | Cell 16/17 NAPL Building 68 | 31.76 |
| 07/09/04 | 0264WMNH | Cell 16/17 NAPL Building 68 | 31.92 |
| 07/12/04 | 0260/275WMNH | Cell 16/17 NAPL Building 68 | 30.92 |
| 07/12/04 | 0261/276WMNH | Cell 16/17 NAPL Building 68 | 31.71 |
| 07/12/04 | 0262/277WMNH | Cell 16/17 NAPL Building 68 | 30.00 |
| 07/12/04 | 0263/278WMNH | Cell 16/17 NAPL Building 68 | 31.57 |
| 07/12/04 | 0264/279WMNH | Cell 16/17 NAPL Building 68 | 31.24 |
| 07/12/04 | 0265WMNH | Cell 16/17 NAPL Building 68 | 29.54 |
| 07/12/04 | 0266WMNH | Cell 16/17 NAPL Building 68 | 28.74 |
| 07/13/04 | 0267WMNH | Cell 16/17 NAPL Building 68 | 31.69 |
| 07/13/04 | 0268WMNH | Cell 16/17 NAPL Building 68 | 30.28 |
| 07/13/04 | 0269WMNH | Cell 16/17 NAPL Building 68 | 30.14 |
| 07/13/04 | 0270WMNH | Cell 16/17 NAPL Building 68 | 29.22 |
| 07/13/04 | 0271WMNH | Cell 16/17 NAPL Building 68 | 31.45 |
| 07/13/04 | 0272WMNH | Cell 16/17 NAPL Building 68 | 29.59 |
| 07/13/04 | 0273WMNH | Cell 16/17 NAPL Building 68 | 31.43 |
| 07/13/04 | 0274WMNH | Cell 16/17 NAPL Building 68 | 29.74 |
| 07/14/04 | 0280WMNH | Cell 16/17 NAPL Building 68 | 30.81 |
| 07/14/04 | 0281WMNH | Cell 16/17 NAPL Building 68 | 28.58 |
| 07/14/04 | 0282WMNH | Cell 16/17 NAPL Building 68 | 28.14 |
| 07/14/04 | 0283WMNH | Cell 16/17 NAPL Building 68 | 28.41 |
| 07/14/04 | 0284WMNH | Cell 16/17 NAPL Building 68 | 29.23 |
| 07/14/04 | 0285WMNH | Cell 16/17 NAPL Building 68 | 29.52 |
| 07/14/04 | 0286WMNH | Cell 16/17 NAPL Building 68 | 31.47 |
| 07/14/04 | 0287WMNH | Cell 16/17 NAPL Building 68 | 31.62 |
| 07/14/04 | 0288WMNH | Cell 16/17 NAPL Building 68 | 31.91 |
| 07/14/04 | 0289WMNH | Cell 16/17 NAPL Building 68 | 30.18 |
| 07/14/04 | 0290WMNH | Cell 16/17 NAPL Building 68 | 34.32 |
| 07/14/04 | 0291WMNH | Cell 16/17 NAPL Building 68 | 31.24 |
| 07/14/04 | 0292WMNH | Cell 16/17 NAPL Building 68 | 29.63 |
| 07/14/04 | 0293WMNH | Cell 16/17 NAPL Building 68 | 31.51 |
| 07/14/04 | 0294WMNH | Cell 16/17 NAPL Building 68 | 30.29 |
| 07/15/04 | 0295WMNH | Cell 16/17 NAPL Building 68 | 30.56 |
| 07/15/04 | 0296WMNH | Cell 16/17 NAPL Building 68 | 28.16 |

| Date Shipped | Doc. Number | Stockpile Area | Net Weight (Tons) (1) |
|--------------|-------------|-----------------------------|-----------------------|
| 07/15/04 | 0297WMNH | Cell 16/17 NAPL Building 68 | 28.20 |
| 07/15/04 | 0298WMNH | Cell 16/17 NAPL Building 68 | 30.46 |
| 07/15/04 | 0299WMNH | Cell 16/17 NAPL Building 68 | 29.82 |
| 07/15/04 | 0300WMNH | Cell 16/17 NAPL Building 68 | 32.46 |
| 07/15/04 | 0301WMNH | Cell 16/17 NAPL Building 68 | 27.47 |
| 07/15/04 | 0302WMNH | Cell 16/17 NAPL Building 68 | 27.45 |
| 07/15/04 | 0303WMNH | Cell 16/17 NAPL Building 68 | 29.33 |
| 07/15/04 | 0304WMNH | Cell 16/17 Pretest Area 64D | 29.41 |
| 07/15/04 | 0305WMNH | Cell 16/17 Pretest Area 64D | 30.54 |
| 07/16/04 | 0306WMNH | Cell 16/17 Pretest Area 64D | 30.95 |
| 07/16/04 | 0307WMNH | Cell 16/17 Pretest Area 64D | 29.88 |
| 07/16/04 | 0308WMNH | Cell 16/17 Pretest Area 64D | 29.23 |
| 07/16/04 | 0309WMNH | Cell 16/17 Pretest Area 64D | 33.18 |
| 07/16/04 | 0310WMNH | Cell 16/17 Pretest Area 64D | 32.13 |
| 07/16/04 | 0311WMNH | Cell 16/17 Pretest Area 64D | 28.97 |
| 07/16/04 | 0312WMNH | Cell 16/17 Pretest Area 64D | 32.63 |
| 07/16/04 | 0313WMNH | Cell 16/17 Pretest Area 64D | 32.21 |
| 07/16/04 | 0314WMNH | Cell 16/17 Pretest Area 64D | 31.34 |
| 07/16/04 | 0315WMNH | Cell 16/17 Pretest Area 64D | 32.57 |
| 07/19/04 | 0316WMNH | Cell 16/17 Pretest Area 64D | 29.31 |
| 07/19/04 | 0317WMNH | Cell 16/17 Pretest Area 64D | 28.82 |
| 07/19/04 | 0318WMNH | Cell 16/17 Pretest Area 64D | 29.76 |
| 07/19/04 | 0319WMNH | Cell 16/17 Pretest Area 64D | 31.34 |
| 07/19/04 | 0320WMNH | Cell 16/17 Pretest Area 64D | 31.62 |
| 07/19/04 | 0321WMNH | Cell 16/17 Pretest Area 64D | 31.70 |
| 07/19/04 | 0322WMNH | Cell 16/17 Pretest Area 64D | 32.99 |
| 07/19/04 | 0323WMNH | Cell 16/17 Pretest Area 64D | 31.66 |
| 07/19/04 | 0324WMNH | Cell 16/17 Pretest Area 64D | 29.70 |
| 07/20/04 | 0325WMNH | Cell 16/17 Pretest Area 64D | 30.85 |
| 07/20/04 | 0326WMNH | Cell 16/17 Pretest Area 64D | 28.96 |
| 07/20/04 | 0327WMNH | Cell 16/17 Pretest Area 64D | 25.23 |
| 07/20/04 | 0328WMNH | Cell 16/17 Pretest Area 64D | 32.02 |
| 07/20/04 | 0329WMNH | Cell 16/17 Pretest Area 64D | 32.29 |
| 07/20/04 | 0330WMNH | Cell 16/17 Pretest Area 64D | 31.93 |
| 07/20/04 | 0331WMNH | Cell 16/17 Pretest Area 64D | 32.48 |
| 07/20/04 | 0332WMNH | Cell 16/17 Pretest Area 64D | 33.46 |
| 07/20/04 | 0333WMNH | Cell 16/17 Pretest Area 64D | 32.23 |
| 07/20/04 | 0334WMNH | Cell 16/17 Pretest Area 64D | 30.43 |
| 07/21/04 | 0335WMNH | Cell 16/17 Pretest Area 64D | 31.56 |
| 07/21/04 | 0336WMNH | Cell 16/17 Pretest Area 64D | 30.03 |
| 07/21/04 | 0337WMNH | Cell 16/17 Pretest Area 64D | 29.48 |
| 07/21/04 | 0338WMNH | Cell 16/17 Pretest Area 64D | 30.43* |
| 07/21/04 | 0339WMNH | Cell 16/17 Pretest Area 64D | 30.93 |
| 07/21/04 | 0340WMNH | Cell 16/17 Pretest Area 64D | 32.92 |
| 07/21/04 | 0341WMNH | Cell 16/17 Pretest Area 64D | 29.00 |

| Date Shipped | Doc. Number | Stockpile Area | Net Weight (Tons) (1) |
|--------------|-------------|-----------------------------|-----------------------|
| 07/21/04 | 0342WMNH | Cell 16/17 Pretest Area 64D | 30.51 |
| 07/21/04 | 0343WMNH | Cell 16/17 Pretest Area 64D | 31.66 |
| 07/21/04 | 0344WMNH | Cell 16/17 Pretest Area 64D | 32.50 |
| 07/23/04 | 0345WMNH | Cell 16/17 NAPL Building 65 | 28.65* |
| 07/23/04 | 0346WMNH | Cell 16/17 NAPL Building 65 | 31.74* |
| 07/23/04 | 0347WMNH | Cell 16/17 NAPL Building 65 | 29.43* |
| 07/23/04 | 0348WMNH | Cell 16/17 NAPL Building 65 | 30.84* |
| 07/23/04 | 0349WMNH | Cell 16/17 NAPL Building 65 | 31.01* |
| 07/23/04 | 0350WMNH | Cell 16/17 NAPL Building 65 | 29.40* |
| 07/23/04 | 0351WMNH | Cell 16/17 NAPL Building 65 | 33.12* |
| 07/23/04 | 0352WMNH | Cell 16/17 NAPL Building 65 | 31.61* |
| 07/23/04 | 0353WMNH | Cell 16/17 NAPL Building 65 | 31.42* |
| 07/23/04 | 0354WMNH | Cell 16/17 NAPL Building 65 | 31.21* |
| 07/23/04 | 0355WMNH | Cell 16/17 NAPL Building 65 | 31.11* |
| 07/23/04 | 0356WMNH | Cell 16/17 NAPL Building 65 | 29.81* |
| 07/26/04 | 0357WMNH | Cell 16/17 NAPL Building 65 | 30.30* |
| 07/26/04 | 0358WMNH | Cell 16/17 NAPL Building 65 | 29.32* |
| 07/26/04 | 0359WMNH | Cell 16/17 NAPL Building 65 | 30.48* |
| 07/26/04 | 0360WMNH | Cell 16/17 NAPL Building 65 | 30.10* |
| 07/26/04 | 0361WMNH | Cell 16/17 NAPL Building 65 | 31.65* |
| 07/26/04 | 0362WMNH | Cell 16/17 NAPL Building 65 | 34.03* |
| 07/26/04 | 0363WMNH | Cell 16/17 NAPL Building 65 | 30.13* |
| 07/26/04 | 0364WMNH | Cell 16/17 NAPL Building 65 | 30.16* |
| 07/26/04 | 0365WMNH | Cell 16/17 NAPL Building 65 | 28.37* |
| 07/26/04 | 0366WMNH | Cell 16/17 NAPL Building 65 | 30.89* |
| 07/26/04 | 0367WMNH | Cell 16/17 NAPL Building 65 | 33.66* |
| 07/26/04 | 0368WMNH | Cell 16/17 NAPL Building 65 | 32.11* |
| 07/27/04 | 0369WMNH | Cell 16/17 NAPL Building 65 | 28.95* |
| 07/27/04 | 0370WMNH | Cell 16/17 NAPL Building 65 | 29.70* |
| 07/27/04 | 0371WMNH | Cell 16/17 NAPL Building 65 | 29.96* |
| 07/27/04 | 0372WMNH | Cell 16/17 NAPL Building 65 | 31.62* |
| 07/27/04 | 0373WMNH | Cell 16/17 NAPL Building 65 | 30.53* |
| 07/27/04 | 0374WMNH | Cell 16/17 NAPL Building 65 | 31.44* |
| 07/27/04 | 0375WMNH | Cell 16/17 NAPL Building 65 | 30.76* |
| 07/27/04 | 0376WMNH | Cell 16/17 NAPL Building 65 | 32.57* |
| 07/27/04 | 0377WMNH | Cell 16/17 NAPL Building 65 | 34.03* |
| 7/28/2004 | 0378WMNH | Cell 16/17 NAPL Building 65 | 31.88* |
| 7/28/2004 | 0379WMNH | Cell 16/17 NAPL Building 65 | 28.22* |
| 7/28/2004 | 0380WMNH | Cell 16/17 NAPL Building 65 | 29.76* |
| 7/28/2004 | 0381WMNH | Cell 16/17 NAPL Building 65 | 31.39* |
| 7/28/2004 | 0382WMNH | Cell 16/17 NAPL Building 65 | 30.16* |
| 7/28/2004 | 0383WMNH | Cell 16/17 NAPL Building 65 | 30.94* |
| 7/28/2004 | 0384WMNH | Cell 16/17 NAPL Building 65 | 31.71* |
| 7/28/2004 | 0385WMNH | Cell 16/17 NAPL Building 65 | 33.06* |
| 7/28/2004 | 0386WMNH | Cell 16/17 NAPL Building 65 | 31.30* |

| Date Shipped | Doc. Number | Stockpile Area | Net Weight (Tons) (1) |
|-----------------------------------|--------------------|-----------------------------|------------------------------|
| 7/28/2004 | 0387WMNH | Cell 16/17 NAPL Building 65 | 32.07* |
| 7/29/2004 | 0388WMNH | Cell 16/17 NAPL Building 65 | 28.74* |
| 7/29/2004 | 0389WMNH | Cell 16/17 NAPL Building 65 | 28.31* |
| 7/29/2004 | 0390WMNH | Cell 16/17 NAPL Building 65 | 32.58* |
| 7/29/2004 | 0391WMNH | Cell 16/17 NAPL Building 65 | 30.72* |
| 7/29/2004 | 0392WMNH | Cell 16/17 NAPL Building 65 | 31.01* |
| 7/29/2004 | 0393WMNH | Cell 16/17 NAPL Building 65 | 30.47* |
| 7/29/2004 | 0394WMNH | Cell 16/17 NAPL Building 65 | 28.79* |
| 7/29/2004 | 0395WMNH | Cell 16/17 NAPL Building 65 | 31.25* |
| 07/30/04 | 0396WMNH | Cell 16/17 NAPL Building 65 | 29.42* |
| 07/30/04 | 0397WMNH | Cell 16/17 NAPL Building 65 | 31.02* |
| 07/30/04 | 0398WMNH | Cell 16/17 NAPL Building 65 | 28.43* |
| 07/30/04 | 0399WMNH | Cell 16/17 NAPL Building 65 | 32.56* |
| 07/30/04 | 0400WMNH | Cell 16/17 NAPL Building 65 | 31.01* |
| Total of Material Disposed | | | 5,637.26 |

Notes:

(1) Net weights established at the disposal facility

* - Net weights established onsite during the load out of material.

Net weights from the disposal facility not yet available.

**Table 6- NPDES Sampling Results for Water Treatment System
July 2004 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 | Filtered PCBs |
|---------------------|----------------------|----------------|----------------------------------|--------------|--------------|--------------|-------------|---------------|
| H2-WW000001-0-4L16 | Influent | 16-Jul-04 | ND(0.065) | ND(0.065) | 0.33 | 0.40 | 0.73 | ND(0.013) |
| H2-WW000004-0-4L16 | Modutank Effluent | 16-Jul-04 | ND(0.065) | ND(0.065) | 0.34 | 0.38 | 0.72 | ND(0.013) |
| H2-WW000005-0-4L16 | Sand Filter Effluent | 16-Jul-04 | ND(0.013) | ND(0.013) | 0.094 | 0.076 | 0.17 | NS |
| H2-WW000002-0-4L16 | Intermediate | 16-Jul-04 | ND(0.013) | ND(0.013) | 0.13 | 0.079 | 0.21 | NS |
| H2-WW000003-0-4L16 | Effluent | 16-Jul-04 | ND(0.013) | ND(0.013) | 0.079 | 0.063 | 0.14 | NS |
| Action Level | Effluent | | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | N/A |

Notes:

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

Modutank Effluent- Sample collected between the modutank and the oil/water separator.

Sand Filter Effluent - Sample collected between the sand and carbon filter.

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

NS - Not Sampled

N/A - Not Available

**Table 6a - NPDES non-PCB Sampling Results for Water Treatment System
July 2004 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-WW000001-0-4L16 | H2-WW000004-0-4L16 | H2-WW000005-0-4L16 | H2-WW000002-0-4L16 | H2-WW000003-0-4L16 | NPDES Permit |
|-----------------------------|--------------------|--------------------|----------------------|--------------------|--------------------|-----------------|
| Sample type | Influent | Modutank Effluent | Sand Filter Effluent | Intermediate | Effluent | Regulatory |
| Date Collected | 07/16/2004 | 07/16/2004 | 07/16/2004 | 07/16/2004 | 07/16/2004 | Effluent Limits |
| Analyte | | | | | | |
| APP IX SEMIVOLATILES | | | | | | |
| ACENAPHTHENE | 39.0 | 29.0 | 21.0 | ND | ND | 100 |
| ACENAPHTHYLENE | 8.0 J | 2.9 J | 0.66 J | ND | ND | 100 |
| ACETOPHENONE | 1.6 J | 3.2 J | 9.6 J | ND | ND | 100 |
| ANTHRACENE | 11.0 | 5.0 J | 3.5 J | ND | ND | 100 |
| BENZO(A)ANTHRACENE | 3.4 J | 2.0 J | 1.4 J | ND | ND | 100 |
| BENZO(A)PYRENE | 2.4 J | 1.2 J | 0.51 J | ND | ND | 100 |
| BENZO(B)FLUORANTHENE | 1.3 J | 0.97 J | ND | ND | ND | 100 |
| BENZO(GHI)PERYLENE | 1.1 J | 0.56 J | ND | ND | ND | 100 |
| BENZO(K)FLUORANTHENE | 1.5 J | 0.85 J | ND | ND | ND | 100 |
| BIS(2-ETHYLHEXYL) PHTHALATE | 0.92 J | 0.82 J | 0.98 J | 0.66 J | 0.49 J | 100 |
| CHRYSENE | 3.2 J | 2.2 J | 1.3 J | ND | ND | 100 |
| DIBENZOFURAN | 4.7 J | 3.0 J | ND | ND | ND | 100 |
| DI-N-BUTYL PHTHALATE | 4.5 J | 1.2 J | ND | ND | ND | 100 |
| FLUORANTHENE | 17.0 | 14.0 | 18.0 | ND | ND | 100 |
| FLUORENE | 26.0 | 13.0 | 2.2 J | ND | ND | 100 |
| INDENO(1,2,3-C,D)PYRENE | 0.96 J | ND | ND | ND | ND | 100 |
| PHENANTHRENE | 0.96 J | 0.64 J | ND | ND | ND | 100 |
| PYRENE | 20.0 | 14.0 | 22.0 | ND | ND | 100 |
| APP IX VOLATILES | | | | | | |
| 1,2,4-TRICHLOROBENZENE | 0.34 J | ND | ND | ND | ND | 70 |
| ACETONE | 5.7 | 12.0 | 12.0 | 3.6 J | 3.5 J | 100 |
| CARBON TETRACHLORIDE | ND | ND | ND | 0.29 J | ND | N/A |
| CHLOROFORM | ND | ND | ND | 0.63 J | 0.34 J | 100 |
| CHLOROMETHANE | 0.24 J | ND | ND | ND | ND | N/A |
| CIS-1,2-DICHLOROETHENE | 0.30 J | ND | ND | 0.37 J | ND | N/A |
| ETHYL BENZENE | 3.2 | 1.2 | ND | ND | ND | N/A |
| M,P-XYLENE (SUM OF ISOMERS) | 5.0 | 2.3 | ND | ND | ND | * |
| NAPHTHALENE | 14.0 | 1.7 | 0.49 J | 0.94 J | 0.39 J | 100 |
| O-XYLENE | 2.9 | 1.6 | ND | ND | ND | * |
| TERT-BUTYL METHYL ETHER | 0.55 J | 0.40 J | 0.24 J | 4.5 | 7.2 | 70 |
| TOLUENE | 1.1 | 0.67 J | ND | ND | ND | * |
| XYLENES (TOTAL) | 8.2 | 4.1 | ND | ND | ND | * |

Notes:

Modutank Effluent- Sample collected between the modutank and the oil/water separator.

Sand Filter Effluent - Sample collected between the sand and carbon filter.

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

Only detected constituents are summarized

ND - not detected

J - Indicates an estimated value

* Total BTEX (Benzene, Toluene, Ethyl Benzene and Xylene) can not exceed 100 ppb

N/A - not available

Preliminary analytical data
Subject to verification

**Table 7 - Daily Air Monitoring Results
July 2004 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) |
|-----------------------|------------------------|--|-----------------------------------|
| 7/1/2004 | Upwind | 0.002 | 8 |
| | Downwind | 0.008 | 7 |
| | Background | 0.106 | 21 |
| 7/2/2004 | Upwind | NA | NA |
| | Downwind | NA | NA |
| | Background | NA | NA |
| 7/5/2004 | Upwind | NA | NA |
| | Downwind | NA | NA |
| | Background | NA | NA |
| 7/6/2004 | Upwind | NA | NA |
| | Downwind | NA | NA |
| | Background | NA | NA |
| 7/7/2004 | Upwind | 0.000 | 9 |
| | Downwind | 0.009 | 9 |
| | Background | 0.001 | 9 |
| 7/8/2004 | Upwind | NA | NA |
| | Downwind | NA | NA |
| | Background | NA | NA |
| 7/9/2004 | Upwind | 0.001 | 8 |
| | Downwind | 0.000 | 8 |
| | Background | 0.000 | 15 |
| 7/12/2004 | Upwind | NA | NA |
| | Downwind | NA | NA |
| | Background | NA | NA |
| 7/13/2004 | Upwind | NA | NA |
| | Downwind | NA | NA |
| | Background | NA | NA |
| 7/14/2004 | Upwind | 0.012 | 7 |
| | Downwind | 0.002 | 2 |
| | Background | 0.000 | 7 |
| 7/15/2004 | Upwind | NA | NA |
| | Downwind | NA | NA |
| | Background | NA | NA |
| 7/16/2004 | Upwind | NA | NA |
| | Downwind | NA | NA |
| | Background | NA | NA |
| 7/19/2004 | Upwind | NA | NA |
| | Downwind | NA | NA |
| | Background | NA | NA |

| Date Collected | Sample Location | Average Site Concentration (mg/m ³) | Average Period (Hours:Min) |
|---------------------------|-----------------|---|----------------------------|
| 7/20/2004 | Upwind | 0.049 | 7 |
| | Downwind | 0.008 | 7 |
| | Background | 0.000 | 7 |
| 7/21/2004 | Upwind | 0.011 | 8 |
| | Downwind | 0.056 | 8 |
| | Background | 0.000 | 8 |
| 7/22/2004 | Upwind | 0.083 | 10 |
| | Downwind | -- | -- |
| | Background | 0.000 | 10 |
| 7/23/2004 | Upwind | NA | NA |
| | Downwind | NA | NA |
| | Background | NA | NA |
| 7/26/2004 | Upwind | 0.007 | 31 |
| | Downwind | 0.001 | 20 |
| | Background | 0.000 | 27 |
| 7/27/2004 | Upwind | NA | NA |
| | Downwind | NA | NA |
| | Background | NA | NA |
| 7/28/2004 | Upwind | NA | NA |
| | Downwind | NA | NA |
| | Background | NA | NA |
| 7/29/2004 | Upwind | -- | -- |
| | Downwind | -- | -- |
| | Background | -- | -- |
| 7/30/2004 | Upwind | -- | -- |
| | Downwind | -- | -- |
| | Background | -- | -- |
| notification level | | 0.120 | |
| action level | | 0.150 | |

Notes:

N/A - Not available due to precipitation

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

**Table 8 - Daily Water Column Turbidity Monitoring Results
July 2004 Monthly Report**

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

| Date | Flow at Coltsville (cfs) | Location | Turbidity | | | Temperature Average (°C) |
|-----------|--------------------------|-------------------------------------|-----------|-------|------|--------------------------|
| | | | Average | High | Low | |
| 7/1/2004 | 30 | Downstream of Lyman Street Bridge | 3.8 | 4.6 | 3.1 | 19.9 |
| | | Downstream of Pomeroy Avenue Bridge | 23.7 | 43.7 | 3.9 | 19.57 |
| 7/2/2004 | 46 | Downstream of Lyman Street Bridge | 10.9 | 20.2 | 5.3 | 20.3 |
| | | Downstream of Pomeroy Avenue Bridge | 10.2 | 27.7 | 2.2 | 19.89 |
| 7/3/2004 | 34 | Downstream of Lyman Street Bridge | 4.6 | 6.3 | 3.1 | 20.7 |
| | | Downstream of Pomeroy Avenue Bridge | 2.6 | 6.5 | 0.9 | 20.4 |
| 7/4/2004 | 28 | Downstream of Lyman Street Bridge | 4.9 | 6.2 | 3.7 | 20.4 |
| | | Downstream of Pomeroy Avenue Bridge | 1.8 | 5.4 | 1.1 | 20.2 |
| 7/5/2004 | 27 | Downstream of Lyman Street Bridge | 11.0 | 73.8 | 4.6 | 19.91 |
| | | Downstream of Pomeroy Avenue Bridge | 12.9 | 43.6 | 0.8 | 19.8 |
| 7/6/2004 | 180 | Downstream of Lyman Street Bridge | 13.8 | 24.5 | 7.0 | 18.74 |
| | | Downstream of Pomeroy Avenue Bridge | 18.7 | 64.4 | 10.2 | 19.1 |
| 7/7/2004 | 80 | Downstream of Lyman Street Bridge | 4.6 | 5.3 | 3.7 | 20.18 |
| | | Downstream of Pomeroy Avenue Bridge | 2.7 | 3.8 | 1.1 | 20.2 |
| 7/8/2004 | 49 | Downstream of Lyman Street Bridge | 5.6 | 6.4 | 4.5 | 21.13 |
| | | Downstream of Pomeroy Avenue Bridge | 1.6 | 3.9 | 0.7 | 21.0 |
| 7/9/2004 | 39 | Downstream of Lyman Street Bridge | 5.4 | 7.1 | 3.8 | 20.07 |
| | | Downstream of Pomeroy Avenue Bridge | 2.2 | 3.1 | 1.2 | 20.3 |
| 7/10/2004 | 33 | Downstream of Lyman Street Bridge | 4.7 | 6.1 | 3.0 | 19.66 |
| | | Downstream of Pomeroy Avenue Bridge | 2.0 | 2.8 | 0.5 | 19.5 |
| 7/11/2004 | 29 | Downstream of Lyman Street Bridge | 4.2 | 5.9 | 2.7 | 20.51 |
| | | Downstream of Pomeroy Avenue Bridge | 2.7 | 6.6 | 0.2 | 20.1 |
| 7/12/2004 | 28 | Downstream of Lyman Street Bridge | 4.3 | 6.1 | 2.6 | 20.20 |
| | | Downstream of Pomeroy Avenue Bridge | 1.2 | 2.4 | 0.4 | 20.3 |
| 7/13/2004 | 29 | Downstream of Lyman Street Bridge | 4.4 | 5.9 | 2.7 | 18.51 |
| | | Downstream of Pomeroy Avenue Bridge | 1.5 | 2.2 | 0.6 | 18.7 |
| 7/14/2004 | 31 | Downstream of Lyman Street Bridge | 4.7 | 5.8 | 3.5 | 18.51 |
| | | Downstream of Pomeroy Avenue Bridge | 2.1 | 4.5 | 0.9 | 18.36 |
| 7/15/2004 | 32 | Downstream of Lyman Street Bridge | 190.8 | 669.6 | 4.6 | 18.51 |
| | | Downstream of Pomeroy Avenue Bridge | 3.5 | 4.7 | 1.8 | 19.78 |
| 7/16/2004 | 33 | Downstream of Lyman Street Bridge | 100.8 | 544.2 | 9.2 | 18.51 |
| | | Downstream of Pomeroy Avenue Bridge | 6.3 | 18.9 | 3.5 | 19.80 |
| 7/17/2004 | 30 | Downstream of Lyman Street Bridge | 245.6 | 818.4 | 4.9 | 18.51 |
| | | Downstream of Pomeroy Avenue Bridge | 4.5 | 9.5 | 2.1 | 20.35 |
| 7/18/2004 | 26 | Downstream of Lyman Street Bridge | 133.0 | 718.1 | 4.0 | 18.51 |
| | | Downstream of Pomeroy Avenue Bridge | 2.0 | 4.6 | 0.8 | 20.50 |
| 7/19/2004 | 27 | Downstream of Lyman Street Bridge | 83.7 | 342.0 | 5.9 | 18.51 |
| | | Downstream of Pomeroy Avenue Bridge | 3.6 | 6.7 | 1.9 | 19.90 |
| 7/20/2004 | 28 | Downstream of Lyman Street Bridge | 53.3 | 136.0 | 3.7 | 18.51 |
| | | Downstream of Pomeroy Avenue Bridge | 5.3 | 13.8 | 1.9 | 20.61 |

| Date | Flow at Coltsville (cfs) | Location | Turbidity | | | Temperature Average (°C) |
|-----------|--------------------------|-------------------------------------|-----------|-------|-----|--------------------------|
| | | | Average | High | Low | |
| 7/21/2004 | 27 | Downstream of Lyman Street Bridge | 4.4 | 9.2 | 3.2 | 18.51 |
| | | Downstream of Pomeroy Avenue Bridge | 8.1 | 33.6 | 0.6 | 19.11 |
| 7/22/2004 | 45 | Downstream of Lyman Street Bridge | 9.1 | 18.4 | 6.1 | 18.5 |
| | | Downstream of Pomeroy Avenue Bridge | 3.0 | 6.0 | 2.0 | 22.15 |
| 7/23/2004 | 32 | Downstream of Lyman Street Bridge | 14.2 | 47.0 | 4.4 | 18.5 |
| | | Downstream of Pomeroy Avenue Bridge | 12.5 | 59.2 | 3.1 | 21.97 |
| 7/24/2004 | 34 | Downstream of Lyman Street Bridge | 6.7 | 9.1 | 5.2 | 18.5 |
| | | Downstream of Pomeroy Avenue Bridge | 5.3 | 9.2 | 3.2 | 21.7 |
| 7/25/2004 | 27 | Downstream of Lyman Street Bridge | 8.9 | 17.7 | 5.7 | 18.51 |
| | | Downstream of Pomeroy Avenue Bridge | 3.0 | 8.4 | 1.2 | 20.6 |
| 7/26/2004 | 24 | Downstream of Lyman Street Bridge | 10.6 | 22.0 | 6.8 | 18.51 |
| | | Downstream of Pomeroy Avenue Bridge | 2.5 | 4.0 | 1.5 | 21.1 |
| 7/27/2004 | 27 | Downstream of Lyman Street Bridge | 12.2 | 49.4 | 4.4 | 18.51 |
| | | Downstream of Pomeroy Avenue Bridge | 3.6 | 10.7 | 2.4 | 20.1 |
| 7/28/2004 | 74 | Downstream of Lyman Street Bridge | 34.7 | 336.2 | 6.2 | 18.51 |
| | | Downstream of Pomeroy Avenue Bridge | 8.6 | 18.4 | 4.4 | 17.9 |
| 7/29/2004 | 52 | Downstream of Lyman Street Bridge | 7.3 | 8.7 | 5.3 | 18.51 |
| | | Downstream of Pomeroy Avenue Bridge | 3.4 | 8.5 | 0.7 | 19.51 |
| 7/30/2004 | 36 | Downstream of Lyman Street Bridge | 6.1 | 7.6 | 3.9 | 18.51 |
| | | Downstream of Pomeroy Avenue Bridge | 7.9 | 74.8 | 0.7 | 21.29 |
| 7/31/2004 | 30 | Downstream of Lyman Street Bridge | 8.1 | 10.1 | 6.1 | 18.51 |
| | | Downstream of Pomeroy Avenue Bridge | 1.7 | 4.7 | 0.7 | 21.63 |

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

Turbidity readings from 7/15/04 to 7/20/04 on the Lyman Street location appear slightly higher than usual.

The Turbidity probe will be removed for cleaning and calibration in August 2004.

**Table 9 - Summary of Turbidity, PCB, and TSS Water Column Monitoring Results
July 2004 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 | 07/07/04 | 80 | NS | NS | NS | NS | NS | NS | H0-SW000054-0-4L07 | NS | NS | NS |
| Downstream of Lyman St. Bridge | 07/07/04 | 80 | 5.3 | 3.7 | 4.6 | 20.18 | NS | NS | H2-SW000055-0-4L07 | 0.024 | ND(0.013) | 5.6 |
| Downstream of Pomeroy Ave. Bridge | 07/07/04 | 80 | 3.8 | 1.1 | 2.7 | 20.20 | 141.1 | 119.2 | H2-SW000052-0-4L07 | 0.076 | ND(0.013) | 11.8 |
| Downstream of Pomeroy Ave. Bridge (duplicate) | 07/07/04 | 80 | 3.8 | 1.1 | 2.7 | 20.20 | 141.1 | 119.2 | H2-SW000052-1-4L07 | 0.11 | NS | NS |
| Upstream of Newell St. Bridge | 07/22/04 | 45 | NS | NS | NS | NS | NS | NS | H0-SW000054-0-4L22 | NR | NR | NR |
| Downstream of Lyman St. Bridge | 07/22/04 | 45 | 18.4 | 6.1 | 9.1 | 18.50 | NS | NS | H2-SW000055-0-4L22 | NR | NR | NR |
| Downstream of Pomeroy Ave. Bridge | 07/22/04 | 45 | 6.0 | 2.0 | 3.0 | 22.15 | 36.0 | 44.4 | H2-SW000052-0-4L22 | 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
 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.
 NR - Not yet reported

**Table 10 - PCB Air Sampling Results
July 2004 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-AR000007-0-4L10 | background | 10-Jul-04 | ND(0.00267) | ND(0.00267) | 0.00401 | ND(0.00267) | 0.00401 |
| H2-AR000028-0-4L10 | AR000028 | 10-Jul-04 | ND(0.00267) | ND(0.00267) | 0.00533 | ND(0.00267) | 0.00533 |
| H2-AR000032-0-4L10 | AR000032 | 10-Jul-04 | ND(0.00271) | ND(0.00271) | 0.00433 | ND(0.00271) | 0.00433 |
| H2-AR000035-0-4L10 | AR000035 | 10-Jul-04 | ND(0.00470) | ND(0.00470) | 0.02493* | ND(0.00470) | 0.02493* |
| H2-AR000036-0-4L10 | AR000036 | 10-Jul-04 | ND(0.00290) | ND(0.00290) | 0.00406 | ND(0.00290) | 0.00406 |
| H2-AR000036-1-4L10 (duplicate) | AR000036 | 10-Jul-04 | ND(0.00264) | ND(0.00264) | 0.00344 | ND(0.00264) | 0.00344 |

Notes:

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

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

* - Reported value may be biased high due to the instrument clock indicating instrument ran for only 17.9 hours

1- See Figure 1 for locations

**Table 11 - SVOC Air Sampling Results from Building 65
July 2004 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 | H2-AR000037-0-4U24 |
|-------------------------------|--------------------|
| Date Collected | 7/24/2004 |
| Analyte | |
| Phenol | ND(22.22) |
| bis(2-Chloroethyl) | ND(4.44) |
| 2-Chlorophenol | ND(22.22) |
| 1,3-Dichlorobenzene | ND(4.44) |
| 1,4-Dichlorobenzene | ND(4.44) |
| 1,2-Dichlorobenzene | ND(4.44) |
| 2-Methylphenol | ND(22.22) |
| bis(2-Chloroisopropyl) | ND(4.44) |
| N-Nitroso-di-n-propylamine | ND(4.44) |
| 4-Methylphenol/3-Methylphenol | ND(22.22) |
| Hexachloroethane | ND(4.44) |
| Nitrobenzene | ND(4.44) |
| Isophorone | ND(4.44) |
| 2-Nitrophenol | ND(22.22) |
| 2,4-Dimethylphenol | ND(22.22) |
| Benzoic | ND(133.33) |
| bis(2-Chloroethoxy) | ND(4.44) |
| 2,4-Dichlorophenol | ND(22.22) |
| 1,2,4-Trichlorobenzene | ND(4.44) |
| Naphthalene | 255.56 |
| 4-Chloroaniline | ND(44.44) |
| Hexachlorobutadiene | ND(4.44) |
| 4-Chloro-3-methylphenol | ND(22.22) |
| 2-Methylnaphthalene | 155.56 |
| Hexachlorocyclopentadiene | ND(88.89) |
| 2,4,6-Trichlorophenol | ND(22.22) |
| 2,4,5-Trichlorophenol | ND(22.22) |
| 2-Chloronaphthalene | ND(4.44) |
| 2-Nitroaniline | ND(44.44) |
| Dimethylphthalate | ND(22.22) |
| Acenaphthylene | 20.00 |
| 2,6-Dinitrotoluene | ND(22.22) |
| 3-Nitroaniline | ND(44.44) |
| Acenaphthene | 54.44 |
| 2,4-Dinitrophenol | ND(88.89) |
| 4-Nitrophenol | ND(88.89) |
| 2,4-Dinitrotoluene | ND(22.22) |
| Dibenzofuran | 20.00 |
| Diethylphthalate | ND(22.22) |
| Fluorene | 30.00 |
| 4-Chlorophenyl-phenyl | ND(4.44) |

| Sample ID | H2-AR000037-0-4U24 |
|----------------------------|--------------------|
| Date Collected | 7/24/2004 |
| Analyte | |
| 4-Nitroaniline | ND(44.44) |
| 4,6-Dinitro-2-methylphenol | ND(44.44) |
| N-Nitrosodiphenylamine | ND(44.44) |
| 4-Bromophenyl-phenyl | ND(4.44) |
| Hexachlorobenzene | ND(4.44) |
| Pentachlorophenol | ND(88.89) |
| Phenanthrene | 16.67 |
| Anthracene | ND(4.44) |
| di-n-Butylphthalate | ND(22.22) |
| Fluoranthene | ND(4.44) |
| Pyrene | ND(4.44) |
| Butylbenzylphthalate | ND(22.22) |
| 3,3'-Dichlorobenzidine | ND(88.89) |
| Chrysene | ND(4.44) |
| Benzo(a)anthracene | ND(4.44) |
| bis(2-Ethylhexyl)phthalate | ND(22.22) |
| Di-n-Octylphthalate | ND(22.22) |
| Benzo(b)fluoranthene | ND(4.44) |
| Benzo(k)fluoranthene | ND(4.44) |
| Benzo(a)pyrene | ND(4.44) |
| Indeno(1,2,3-c,d)pyrene | ND(4.44) |
| Dibenz(a,h)anthracene | ND(4.44) |
| Benzo(g,h,i)perylene | ND(4.44) |

**Table 12 - Equipment Confirmatory Wipe Samples
July 2004 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-XI000167-0-4L02 | 02-Jul-04 | ND(1.5) | 4.8 | 16.0 | 21.0* |
| H2-XI000168-0-4L07 | 07-Jul-04 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) |
| H2-XI000169-0-4L07 | 07-Jul-04 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) |
| H2-XI000167-0-4L12 | 12-Jul-04 | ND(0.5) | ND(0.5) | ND(0.5) | ND(0.5) |

Notes:

PCB Action Level - $10.0 \mu\text{g}/100 \text{ cm}^2$

ND(0.5) - Analyte was not detected. The value in parentheses is the associated detection limit.

* - Sample results exceeded the PCB Action Level, the equipment was re-decontaminated and another sample was collected on 12-Jul-04.

Table 13 - Post Excavation Soil/ Sediment Stockpile Characterization Analytical Results
July 2004 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-OT000157-0-4L15 | H2-OT000158-0-4L15 |
|--------------------------------|-------------------------------------|-------------------------------------|
| Sample type | stockpile material characterization | stockpile material characterization |
| Date Collected | 07/15/2004 | 07/15/2004 |
| Stockpile Location | Area 64C | Area 64C |
| Analyte | | |
| PCBS | | |
| AROCLOR-1254 | 29.0 | 15.0 |
| AROCLOR-1260 | 7.6 | 4.0 |
| PCB, TOTAL | 21.0 | 11.0 |
| TCLP HERBICIDES | | |
| | all Non-Detects | all Non-Detects |
| TCLP METALS | | |
| BARIUM, TCLP LEACHATE (mg/l) | .332 | .32 |
| CADMIUM, TCLP LEACHATE (mg/l) | .0019 | .0019 |
| CHROMIUM, TCLP LEACHATE (mg/l) | .0027 | .0028 |
| TCLP PESTICIDES | | |
| | all Non-Detects | all Non-Detects |
| TCLP SEMIVOLATILES | | |
| | all Non-Detects | all Non-Detects |
| TCLP VOLATILES | | |
| | all Non-Detects | all Non-Detects |
| INORGANICS | | |
| CORROSIVITY BY PH | 8.1 | 7.9 |
| IGNITABILITY (deg f) | >150 | >150 |
| PAINT FILTER LIQUIDS (ml) | ABSENT | ABSENT |
| PERCENT SOLIDS (%) | 83.0 | 86.4 |
| SULFIDE | ND | ND |
| CYANIDE | ND | ND |

Notes:

Only detected constituents are summarized

ND - not detected

--- not sampled

Table 14 - Cell 16/17 NAPL-Impacted Material Characterization Analytical Results
July 2004 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-OT000153-0-4L06 | H2-OT000154-0-4L06 | H2-OT000155-0-4L06 | H2-OT000156-0-4L06 |
|--------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Sample type | stockpile material characterization | stockpile material characterization | stockpile material characterization | stockpile material characterization |
| Date Collected | 07/06/2004 | 07/06/2004 | 07/06/2004 | 07/06/2004 |
| Stockpile Location | Building 65 | Building 65 | Building 65 | Building 65 |
| Analyte | | | | |
| PCBS | | | | |
| PCB, TOTAL | 14.0 | 4.8 | 7.3 | 24.0 |
| AROCOR-1254 | 2.4 J | .73 J | 1.1 J | 6.1 J |
| AROCOR-1260 | 12.0 | 4.1 | 6.2 | 18.0 |
| APP IX SEMIVOLATILES | | | | |
| 2-METHYLNAPHTHALENE | 10 | 950 | 210 | 470 |
| 4-METHYLPHENOL | .32 J | ND | ND | ND |
| ACENAPHTHENE | 57 | 550 | 150 | 290 |
| ACENAPHTHYLENE | 24 J | 130 J | 34 J | 68 J |
| ACETOPHENONE | .72 J | ND | .42 J | 1 J |
| ANTHRACENE | 80 | 360 | 110 | 190 |
| BENZO(A)ANTHRACENE | 82 | 240 J | 80 | 130 J |
| BENZO(A)PYRENE | 59 | 180 J | 62 J | 110 J |
| BENZO(B)FLUORANTHENE | 40 J | 94 J | 34 J | 66 J |
| BENZO(GHI)PERYLENE | 17 J | 69 J | 26 J | 51 J |
| BENZO(K)FLUORANTHENE | 53 | 110 J | 39 J | 66 J |
| CHRYSENE | 66 | 220 J | 67 | 120 J |
| DIBENZO(A,H)ANTHRACENE | 8.5 J | 19 J | 8.8 J | 16 J |
| DIBENZOFURAN | 45 | 96 J | 30 J | 49 J |
| FLUORANTHENE | 180 | 470 | 160 | 270 |
| FLUORENE | 97 | 330 | 100 | 180 |
| INDENO(1,2,3-C,D)PYRENE | 21 J | 60 J | 22 J | 40 J |
| NAPHTHALENE | 10 J | 2000 | 370 | 910 |
| PHENANTHRENE | 260 | 1100 | 350 | 630 |
| PHENOL | .3 J | ND | ND | ND |
| PYRENE | 160 | 550 | 180 | 320 |
| APP IX VOLATILES | | | | |
| ETHYL BENZENE | ND | 25 J | 5.6 J | 10 J |
| M,P-XYLENE (SUM OF ISOMERS) | .13 J | 25 J | 5.6 J | 10 J |
| NAPHTHALENE | 11 | 2200 | 450 | 820 |
| O-XYLENE | ND | ND | 2.6 J | ND |
| XYLENES (TOTAL) | .14 J | 26 J | 8.6 J | 11 J |
| TCLP HERBICIDES | | | | |
| | all Non-Detects | all Non-Detects | all Non-Detects | all Non-Detects |
| TCLP METALS | | | | |
| BARIIUM, TCLP LEACHATE (mg/l) | .214 | .218 | .275 | .422 |
| CADMIUM, TCLP LEACHATE (mg/l) | .0011 | ND | .001 | .003 |
| CHROMIUM, TCLP LEACHATE (mg/l) | .0034 | .0014 | .0015 | ND |
| SILVER, TCLP LEACHATE (mg/l) | .0028 | ND | ND | ND |
| TCLP PESTICIDES | | | | |
| | all Non-Detects | all Non-Detects | all Non-Detects | all Non-Detects |
| TCLP SEMIVOLATILES | | | | |
| | all Non-Detects | all Non-Detects | all Non-Detects | all Non-Detects |
| TCLP VOLATILES | | | | |
| INORGANICS | | | | |
| CORROSIVITY BY PH | 8.2 | 8.3 | 8.2 | 8.0 |
| IGNITABILITY (deg f) | >150 | >150 | >150 | >150 |
| PAINT FILTER LIQUIDS | ABSENT | ABSENT | ABSENT | ABSENT |
| PERCENT SOLIDS (%) | 89.6 | 84.8 | 88.2 | 84.3 |
| SULFIDE | 8.9 | 11.8 | 8.9 | ND(9.4) |
| CYANIDE | ND(0.43) | ND(0.52) | ND(0.54) | 0.98 |

Notes:

Only detected constituents are summarized

ND - not detected

--- - not sampled

Table 14 - Cell 16/17 NAPL-Impacted Material Characterization Analytical Results
July 2004 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-OT000159-0-4L22a | H2-OT000159-0-4L22b | H2-OT000159-0-4L22c | H2-OT000159-0-4L22d |
|--------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Sample type | stockpile material characterization | stockpile material characterization | stockpile material characterization | stockpile material characterization |
| Date Collected | 07/22/2004 | 07/22/2004 | 07/22/2004 | 07/22/2004 |
| Stockpile Location | Building 65 | Building 65 | Building 65 | Building 65 |
| Analyte | | | | |
| PCBS | | | | |
| PCB, TOTAL | 5.1 | 5.6 | 7.7 | 11.0 |
| AROCOR-1254 | 1.1 | 1.4 | 1.7 | 2.5 |
| AROCOR-1260 | 4.0 | 4.2 | 6.0 | 8.7 |
| APP IX SEMIVOLATILES | | | | |
| 2-METHYLNAPHTHALENE | --- | --- | --- | --- |
| 4-METHYLPHENOL | --- | --- | --- | --- |
| ACENAPHTHENE | --- | --- | --- | --- |
| ACENAPHTHYLENE | --- | --- | --- | --- |
| ACETOPHENONE | --- | --- | --- | --- |
| ANTHRACENE | --- | --- | --- | --- |
| BENZO(A)ANTHRACENE | --- | --- | --- | --- |
| BENZO(A)PYRENE | --- | --- | --- | --- |
| BENZO(B)FLUORANTHENE | --- | --- | --- | --- |
| BENZO(GHI)PERYLENE | --- | --- | --- | --- |
| BENZO(K)FLUORANTHENE | --- | --- | --- | --- |
| CHRYSENE | --- | --- | --- | --- |
| DIBENZO(A,H)ANTHRACENE | --- | --- | --- | --- |
| DIBENZOFURAN | --- | --- | --- | --- |
| FLUORANTHENE | --- | --- | --- | --- |
| FLUORENE | --- | --- | --- | --- |
| INDENO(1,2,3-C,D)PYRENE | --- | --- | --- | --- |
| NAPHTHALENE | --- | --- | --- | --- |
| PHENANTHRENE | --- | --- | --- | --- |
| PHENOL | --- | --- | --- | --- |
| PYRENE | --- | --- | --- | --- |
| APP IX VOLATILES | | | | |
| ETHYL BENZENE | --- | --- | --- | --- |
| M,P-XYLENE (SUM OF ISOMERS) | --- | --- | --- | --- |
| NAPHTHALENE | --- | --- | --- | --- |
| O-XYLENE | --- | --- | --- | --- |
| XYLENES (TOTAL) | --- | --- | --- | --- |
| TCLP HERBICIDES | | | | |
| | --- | --- | --- | --- |
| TCLP METALS | | | | |
| BARIUM, TCLP LEACHATE (mg/l) | --- | --- | --- | --- |
| CADMIUM, TCLP LEACHATE (mg/l) | --- | --- | --- | --- |
| CHROMIUM, TCLP LEACHATE (mg/l) | --- | --- | --- | --- |
| SILVER, TCLP LEACHATE (mg/l) | --- | --- | --- | --- |
| TCLP PESTICIDES | | | | |
| | --- | --- | --- | --- |
| TCLP SEMIVOLATILES | | | | |
| | --- | --- | --- | --- |
| TCLP VOLATILES | | | | |
| INORGANICS | | | | |
| CORROSIVITY BY PH | --- | --- | --- | --- |
| IGNITABILITY (deg f) | --- | --- | --- | --- |
| PAINT FILTER LIQUIDS | --- | --- | --- | --- |
| PERCENT SOLIDS (%) | 93.0 | 87.9 | 88.9 | 89.1 |
| SULFIDE | --- | --- | --- | --- |
| CYANIDE | --- | --- | --- | --- |

Notes:

Only detected constituents are summarized

ND - not detected

--- - not sampled

**Table 14 - Cell 16/17 NAPL-Impacted Material Characterization Analytical Results
July 2004 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-OT000160-0-4L22 | H2-OT000161-0-4L26 | H2-OT000162-0-4L26 | H2-OT000163-0-4L26 | H2-OT000164-0-4L28A | H2-OT000164-0-4L28B |
|-----------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Sample type | stockpile material characterization |
| Date Collected | 07/22/2004 | 07/26/2004 | 07/26/2004 | 07/26/2004 | 07/28/2004 | 07/28/2004 |
| Stockpile Location | Building 68 | Building 63 | Building 63 | Building 63 | Building 68 | Building 68 |
| Analyte | | | | | | |
| PCB, TOTAL | 18.0 | 2.6 | 4.9 | 11.0 | 26.0 | 19.0 |
| AROCLOR-1254 | 7.1 | .65 | 1.1 | 1.8 | 6.9 | 9.0 |
| AROCLOR-1260 | 11.0 | 1.9 | 3.8 | 9.4 | 19.0 | 10.0 |
| APP IX SEMIVOLATILES | | | | | | |
| 2-METHYLNAPHTHALENE | 5.7 | 53 | 32 | 7.4 J | --- | --- |
| ACENAPHTHENE | 13 | 44 | 26 J | 24 | --- | --- |
| ACENAPHTHYLENE | 11 J | 38 J | 28 | 12 J | --- | --- |
| ACETOPHENONE | .45 J | ND | ND | ND | --- | --- |
| ANTHRACENE | 41 | 76 | 44 | 33 | --- | --- |
| BENZO(A)ANTHRACENE | 41 | 60 | 33 | 30 | --- | --- |
| BENZO(A)PYRENE | 30 | 43 | 25 J | 21 | --- | --- |
| BENZO(B)FLUORANTHENE | 26 | 27 J | 14 J | 13 J | --- | --- |
| BENZO(GHI)PERYLENE | 11 J | 18 J | 11 J | 9.1 J | --- | --- |
| BENZO(K)FLUORANTHENE | 26 | 32 J | 17 J | 17 J | --- | --- |
| CHRYSENE | 35 | 50 | 27 J | 25 | --- | --- |
| DIBENZO(A,H)ANTHRACENE | 5.3 | 6.9 J | 3.4 J | 3.2 J | --- | --- |
| DIBENZOFURAN | 19 | 21 J | 8.8 J | 8.5 J | --- | --- |
| FLUORANTHENE | 88 | 110 | 64 | 59 | --- | --- |
| FLUORENE | 42 | 57 | 35 | 25 | --- | --- |
| INDENO(1,2,3-C,D)PYRENE | 12 J | 18 J | 9.6 J | 8.5 J | --- | --- |
| NAPHTHALENE | 4.6 J | 14 J | 32 | 6.8 J | --- | --- |
| PHENANTHRENE | 110 | 220 | 140 | 95 | --- | --- |
| PYRENE | 72 | 150 | 84 | 64 | --- | --- |
| APP IX VOLATILES | | | | | | |
| 1,2,4-TRICHLOROBENZENE | .0037 J | ND | ND | ND | --- | --- |
| 1,3-DICHLOROBENZENE | .0024 J | ND | ND | ND | --- | --- |
| 2-BUTANONE | .029 | ND | ND | ND | --- | --- |
| ACETONE | .14 | ND | ND | ND | --- | --- |
| BENZENE | .0078 | ND | ND | ND | --- | --- |
| CARBON DISULFIDE | .0046 J | ND | ND | ND | --- | --- |
| CHLOROBENZENE | .0031 J | ND | ND | ND | --- | --- |
| CHLOROFORM | .0013 J | ND | ND | ND | --- | --- |
| CIS-1,2-DICHLOROETHENE | .0013 J | ND | ND | ND | --- | --- |
| DIBROMOMETHANE | .004 J | ND | ND | ND | --- | --- |
| ETHYL BENZENE | .0057 | .27 J | .13 J | ND | --- | --- |
| M,P-XYLENE (SUM OF ISOMERS) | .0099 | .45 J | .21 J | ND | --- | --- |
| METHYLENE CHLORIDE | .0011 J | ND | ND | ND | --- | --- |
| NAPHTHALENE | NA | 15 | 13 | 2.8 | --- | --- |

| Sample ID | H2-OT000160-0-4L22 | H2-OT000161-0-4L26 | H2-OT000162-0-4L26 | H2-OT000163-0-4L26 | H2-OT000164-0-4L28A | H2-OT000164-0-4L28B |
|--------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Sample type | stockpile material characterization |
| Date Collected | 07/22/2004 | 07/26/2004 | 07/26/2004 | 07/26/2004 | 07/28/2004 | 07/28/2004 |
| Stockpile Location | Building 68 | Building 63 | Building 63 | Building 63 | Building 68 | Building 68 |
| Analyte | | | | | | |
| O-XYLENE | .0072 | .17 J | ND | ND | --- | --- |
| STYRENE | ND | .24 J | ND | ND | --- | --- |
| TETRACHLOROETHYLENE(PCE) | .006 | ND | ND | ND | --- | --- |
| TOLUENE | .014 | .18 J | ND | ND | --- | --- |
| TRICHLOROETHYLENE (TCE) | .0063 | ND | ND | ND | --- | --- |
| TRICHLOROFUOROMETHANE | .0011 J | ND | ND | ND | --- | --- |
| XYLENES (TOTAL) | .017 | .65 | .22 J | ND | --- | --- |
| INORGANICS | | | | | | |
| CORROSIVITY BY PH (ph) | 7.9 | 8.2 | 8.6 | 8.1 | --- | --- |
| IGNITABILITY (deg f) | >150 | >150 | >150 | >150 | --- | --- |
| PAINT FILTER LIQUIDS (ml) | ABSENT | ABSENT | ABSENT | ABSENT | --- | --- |
| PERCENT SOLIDS (%) | 87.6 | 83.1 | 81.6 | 82.3 | 87.4 | 86.2 |
| SULFIDE (mg/kg) | ND | ND | ND | ND | --- | --- |
| CYANIDE (mg/kg) | ND | ND | ND | ND | --- | --- |
| TCLP HERBICIDES | | | | | | |
| | all Non-Detects | all Non-Detects | all Non-Detects | all Non-Detects | --- | --- |
| TCLP METALS | | | | | | |
| BARIUM, TCLP LEACHATE (mg/l) | .189 | .216 | .44 | .463 | --- | --- |
| CADMIUM, TCLP LEACHATE (mg/l) | .00092 | .00083 | .00077 | .00092 | --- | --- |
| CHROMIUM, TCLP LEACHATE (mg/l) | .0014 | .0014 | .0024 | .0022 | --- | --- |
| SELENIUM, TCLP LEACHATE (mg/l) | .0068 | .004 | .0083 | .0054 | --- | --- |
| SILVER, TCLP LEACHATE (mg/l) | .0029 | ND | ND | ND | --- | --- |
| TCLP PESTICIDES | | | | | | |
| | all Non-Detects | all Non-Detects | all Non-Detects | all Non-Detects | --- | --- |
| TCLP SEMIVOLATILES | | | | | | |
| | all Non-Detects | all Non-Detects | all Non-Detects | all Non-Detects | --- | --- |
| TCLP VOLATILES | | | | | | |
| | all Non-Detects | all Non-Detects | all Non-Detects | all Non-Detects | --- | --- |

Notes:

Only detected constituents are summarized

ND - not detected

--- - not sampled

**Table 15 - NAPL-Impacted Sediment from Cell 17W Analytical Results
July 2004 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-SE001547-0-4U17 | H2-SE001548-0-4U23 |
|-----------------------------|----------------------------------|----------------------------------|
| Sample type | Cell 17W, NAPL-impacted sediment | Cell 17W, NAPL-impacted sediment |
| Date Collected | 06/17/2004 | 06/23/2005 |
| Analyte | | |
| APP IX SEMIVOLATILES | | |
| 2-METHYLNAPHTHALENE | 27000 | 23000 |
| ACENAPHTHENE | 14000 | 12000 |
| ACENAPHTHYLENE | 2600 J | 2800 |
| ANTHRACENE | 7000 J | 6700 |
| BENZO(A)ANTHRACENE | 4700 J | 4400 |
| BENZO(A)PYRENE | 4100 J | 3800 |
| BENZO(B)FLUORANTHENE | 1800 J | 1800 |
| BENZO(GHI)PERYLENE | 2000 J | 1400 J |
| BENZO(K)FLUORANTHENE | 2300 J | 2100 J |
| CHRYSENE | 4000 J | 3800 |
| DIBENZO(A,H)ANTHRACENE | 240 | 340 J |
| DIBENZOFURAN | 1500 J | 1500 |
| FLUORANTHENE | 9100 J | 7700 J |
| FLUORENE | 7300 J | 6100 |
| INDENO(1,2,3-C,D)PYRENE | 1400 J | 1200 J |
| NAPHTHALENE | 79000 | 66000 |
| PHENANTHRENE | 25000 | 22000 |
| PYRENE | 11000 J | 11000 |
| SPECIFIC GRAVITY | 1.0875 | 1.8608 |
| APP IX VOLATILES | | |
| ETHYL BENZENE | 650 | 5300 |
| M,P-XYLENE (SUM OF ISOMERS) | 460 | 4200 |
| NAPHTHALENE | 7800 | 79000 |
| O-XYLENE | 180 J | 1700 J |
| TOLUENE | ND | 1100 J |
| XYLENES (TOTAL) | 660 | 6000 |
| PCBS | | |
| PCB, TOTAL | 13.0 | 4.0 |
| AROCLOR-1260 | 13.0 | 4.0 |

Notes:

Only detected constituents are summarized

J - Indicates as estimated value

ND - not detected

**Table 16 - Additonal In-situ Riverbank Characterization Sampling Analytical Results
July 2004 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-OT000141-0-4U24 | H2-OT000142-0-4U24 | H2-OT000143-0-4U23 | H2-OT000144-0-4U23 | H2-OT000145-0-4U29 | H2-OT000146-0-4U29 |
|------------------------|--------------------------------------|--------------------------------------|--------------------------------------|----------------------------------|----------------------------------|--------------------------------------|
| Sample type | insitu characterization sampling (1) | insitu characterization sampling (1) | insitu characterization sampling (1) | insitu characterization sampling | insitu characterization sampling | insitu characterization sampling (1) |
| Date Collected | 06/24/2004 | 06/24/2004 | 06/23/2004 | 06/23/2004 | 06/29/2004 | 06/29/2004 |
| Analyte | | | | | | |
| PCBS | | | | | | |
| AROCLOR-1254 | 7.5 | 7.0 | ND | 2.0 | ND | 12.0 |
| AROCLOR-1260 | 57.0 | 47.0 | 57.0 | 14.0 | 18.0 | 55.0 |
| PCB, TOTAL | 65.0 | 54.0 | 57.0 | 16.0 | 18.0 | 67.0 |

Notes:

- (1) Area represented by this sample is classified as TSCA material. Material to be transported to GE's Building 71 OPCA
- Only detected constituents are summarized
- ND - not detected

**Table 16- Additional In-situ Riverbank Characterization Sampling Analytical Results
July 2004 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-OT000147-0-4U24 | H2-OT000148-0-4U24 | H2-OT000149-0-4U24 | H2-OT000150-0-4U24 | H2-OT000151-0-4U29 |
|------------------------|----------------------------------|--------------------------------------|--------------------------------------|----------------------------------|--------------------------------------|
| Sample type | insitu characterization sampling | insitu characterization sampling (1) | insitu characterization sampling (1) | insitu characterization sampling | insitu characterization sampling (1) |
| Date Collected | 06/24/2004 | 06/24/2004 | 06/24/2004 | 06/24/2004 | 06/29/2004 |
| Analyte | | | | | |
| PCBS | | | | | |
| AROCLOR-1254 | ND | 11.0 | 7.3 | 3.8 | 8.9 |
| AROCLOR-1260 | 32.0 | 41.0 | 55.0 | 19.0 | 67.0 |
| PCB, TOTAL | 32.0 | 52.0 | 62.0 | 23.0 | 76.0 |

Notes:

(1) Area represented by this sample is classified as TSCA material. Material to be transported to GE's Building 71 OPCA
Only detected constituents are summarized
ND - not detected



Photograph 1 – Cell 16E, Excavated Riverbed ready for Power Washing



Photograph 2 – NAPL Excavation Activities in Deep Hole, Cell 16E



Photograph 3 – Cell 17E Completed Riverbed and Riverbank Excavation



Photograph 4 – High Pressure Washing/Vacuuming of NAPL-Stained Bedrock



Photograph 5 – Topsoil Placement in Cell 17W



Photograph 6 – Restored Riverbank in Cell 17W

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
-  Work In Progress
-  Work Pending
-  Turbidity Monitoring Locations
-  Air Sampling 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
July 2004 Monthly Report

