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

March 10, 2004

To: C. Tucker, EPA
J. Kilborn, EPA
H. Inglis, EPA
R. Howell, EPA
D. Moore, USACE
K.C. Mitkevicius, USACE
S. Steenstrup, MA DEP (2 copies)
S. Peterson, CT DEP
A. Silfer, GE
J. Novotny, GE
J.R. Bieke, Esquire, Shea & Gardner
S. Messur, BBL
D. Young, MA EOEA
K. Munney, US Fish and Wildlife
R. Cataldo, ENSR
R. Nasman, The Berkshire Gas Company
Mayor Ruberto, City of Pittsfield
Commissioner of Public Works and Utilities, City of Pittsfield
Public Information Repositories

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

Enclosed please find the February 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 February 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 activities in Cells 14E and 15E, and the repairs and reinforcement of the crib wall on Parcel I8-10-5. The installation of the cantilevered retaining wall in Cell 15E continued. In addition, a transfer of non-TSCA materials from the stockpile management areas to approved off-site facilities was performed.

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 January 2004, the winterizing efforts of the water treatment and dewatering system as well as the installation of the new 4-inch diameter force main were completed. During the first week in February, the water treatment system became operational. The water within Cell 14E was pumped to the water treatment system and the non-TSCA and TSCA riverbank excavation activities in Cell 14E were initiated. The excavated riverbanks were covered daily with reinforced poly sheeting to prevent erosion. The TSCA material was transported to Building 63 stockpile management area, the non-TSCA material previously characterized for off-site disposal was transported to Area 64D stockpile management area and the non-TSCA material from areas that have not been previously characterized for off-site disposal was transported to Area 64B. (See Table 1 for a daily summary of material transported to the stockpile management areas in the month of February and Table 2 for final excavation quantities to date).

Also, by the end of January 2004, the installation of the cantilevered sheetpile retaining wall in Cell 15E and the reinforcement activities of the crib wall and the parking lot on Parcel I8-10-5 were initiated. During the first week of February, the installation of the cantilevered sheetpile retaining wall in Cell 15E and the reinforcement of the crib wall and the parking lot continued. All the sheetpile for the cantilevered wall was installed, however the sheetpile was not driven to design depth due to the presence of bedrock at shallow depths. A 5-ton hydraulic APE hammer was obtained in an attempt to drive the sheets to the final design depth.

The survey subcontractor staked out the locations for the proposed micropiles for the crib wall. The drilling subcontractor completed the mobilization and relocation of the drilling equipment to Parcel I8-10-5.

Other activities accomplished during the first week of February included the clean up efforts and installation of bin blocks and temporary fencing on Parcel I8-10-4 in order to cordon off the portion of the parking lot for the owners use. Also, the deliveries of the additional 54-inch HDPE pipe necessary for the remainder of Phase II continued. The additional pipe was inspected and stockpiled in the stockpile management area on Parcel I8-24-1.

During the second week of February, riverbank excavation activities in Cell 14E continued and riverbank excavation activities in Cell 15E were initiated. The excavated riverbanks were covered daily with reinforced poly sheeting to prevent erosion. The 54-inch pipe relocation activities to the west side of the riverbed were initiated and the non-TSCA and TSCA riverbed excavation activities started in Cell 14E. The sediment was excavated down to bedrock. The bedrock will be power washed to remove any visible sediment once the entire river bottom is excavated. All the excavated TSCA material was transported to the Building 63 stockpile management area; the cobble/sediment riverbed material was transported to Area 64A; the non-TSCA riverbank material previously characterized for off-site disposal was transported to Area 64D stockpile management area and the non-TSCA material from areas that have not been previously characterized for off-site disposal was transported to Area 64B.

Also, during the second week of February, the attempts to drive the cantilevered wall sheetpiles with the 5-ton hammer continued, however the design depth was achieved only in few locations. Since the design depth for the embedment of the wall was not achieved, the cross sections for the riverbank were re-designed. The re-design eliminated the need for approximately 100 linear feet of the cantilevered wall. The riverbanks in this area will be restored at 1.5H:1V slope which will be stabilized with cellular geoweb. The portion of the wall where the sheetpile wall is no longer necessary will be cut below final grade at a later date.

The reinforcement activities of the crib wall and the parking lot on Parcel I8-10-5 continued. The drilling subcontractor initiated the installation and grouting of the micropiles on the riverbank ledge located beneath the crib wall. A total of 10 micropiles will be installed at the base of the crib wall. A “C”- Channel will be welded on top of the micropiles. The pre-cast concrete panels will be placed in the “C”- Channel and secured into the existing crib wall with tieback anchors.

Other activities during the second week of February included the construction of the temporary earthen dam, located approximately 30 feet upstream of the 54-inch pipe outfall. The dam was constructed to avoid water backing up into the active excavation areas and it was built with common fill then covered by re-enforced poly sheeting on top of existing concrete foundation. The deliveries and inspections of the additional 54-inch HDPE pipe necessary for the remainder of Phase II continued.

During the third week of February, the 54-inch pipe relocation activities to the west side of the riverbed were completed and the pipe was properly anchored and secured. The non-TSCA and TSCA riverbank and riverbed excavation activities continued in Cells 14E and 15E. The TSCA material excavation in Cell 14E was completed, and the survey contractor completed the verification survey for the TSCA excavation areas. The excavated riverbanks were covered daily with reinforced poly sheeting to prevent erosion. Bedrock was encountered in the majority of the riverbed before the design depth was achieved. The sections of the riverbed where bedrock was encountered will be power washed to remove any visible sediment once the entire river bottom is excavated. Also, NAPL material was encountered during the Cell 15E riverbed excavation. Approximately 10 cy of NAPL material was excavated and transported to Building 68 stockpile management area. Due to the large quantities of non-TSCA cobble/sediment material as well as the non-TSCA materials that have not been previously characterized for off-site disposal, Area 64C stockpile management area was sub-divided into two stockpile bays, one bay, Area 64C

north, for non-TSCA cobble/sediment material, and the second bay, Area 64C south, for non-TSCA materials that have not been previously characterized for off-site disposal. Therefore the excavated material was transported to the following stockpile management areas: all TSCA material was transported to Building 63; the cobble/sediment material was transported to Area 64A and/or Area 64C north; the non-TSCA material from areas that have not been previously characterized for off-site disposal was transported to Area 64B and/or Area 64C south; and the non-TSCA riverbank material previously characterized for off-site disposal was transported to Area 64D.

Also, during the third week of February, reinforcement activities of the crib wall and the parking lot on Parcel I8-10-5 continued. The installation and grouting of the micropiles on the riverbank ledge located beneath the crib wall were completed. The installation of the temporary tieback anchors to hold the pre-cast concrete panels while the permanent anchors are installed was completed.

Other activities performed during the third week of February included a video inspection of the twenty-four inch storm drain located on the parking lot of Parcel I8-23-6, directly under the sinkhole that had developed during the two-week Holiday break (see January 2004 monthly report). The video inspection confirmed that the storm drain is partially collapsed and most likely was the cause of the sinkhole. The deliveries and inspections of the additional 54-inch HDPE pipe necessary for the remainder of Phase II were completed. A total of 4000 linear feet of 54-inch pipe was delivered.

During the fourth week of February, the riverbank and riverbed excavation activities continued in Cells 14E and 15E. The excavated riverbanks were covered daily with re-enforced poly sheeting to prevent erosion. Additionally, NAPL material was encountered during the Cell 15E riverbed excavation. Approximately 200 cy of NAPL material was excavated. All of the excavated materials were transported to the appropriate stockpile management areas. The Cell 14E and 15E riverbank and riverbed excavations were completed with the exception of the following two areas: 1) the riverbank soils along the cantilevered sheetpile wall in Cell 15E, with remaining excavation to occur upon completion of cutting the wall sheetpiles to match the new design excavation depth, and coordination with local utilities regarding a utility pole located in the excavation area, and 2) the riverbed sediments along the crib wall pending completion of the crib wall repairs. Since the majority of the river bottom had been excavated, initial power washing of the exposed bedrock in Cells 14E and 15E river bottom was initiated. The water generated by the power washing was collected into a sump and diverted to the water treatment system. Final power washing of the bedrock will be performed prior to backfilling. The survey contractor completed the final verification survey of the completed riverbank and riverbed excavation in Cells 14E and 15E.

Efforts associated with cutting the sheets in the portion of the Cell 15E cantilevered wall where the sheetpiles was no longer necessary to match the new design excavation depth were initiated.

Also, during the fourth week of February, the reinforcement activities of the crib wall and the parking lot on Parcel I8-10-5 continued. The installation of the "C"- Channel onto the micropiles was completed. The next task involved the installation of a cement based (shotcrete) retaining wall secured with soil nails. The installation of the cement based retaining wall/soil

nails was designed to be completed in two tiers at the base of the wall. First, the excavation of riverbank material in the upper tier of the base of the wall was completed exposing the micropiles. A temporary shotcrete face was installed to ensure the stability of the crib wall base during soil nail installation. The temporary shotcrete face consisted of a wire mesh installed along the entire length of the upper tier of the crib wall base, #4 rebar to anchor the mesh, and a 2-inch layer of fast setting shotcrete to cover the wire mesh. Once the shotcrete was set, the installation and grouting of the soil nails was completed in the top tier of the crib wall base. A final layer of shotcrete will be installed at a later date.

During the month of February, the water treatment system treated water from Cells 14 and 15. Sampling of the water treatment system for parameters included in the NPDES exclusion permit was performed on February 22, 2004. Also, the analytical parameters included the quarterly sampling for metals. Air monitoring for particulate matter (PM10 sampling) and surface water turbidity monitoring was performed on a daily basis. The monthly PCB air-monitoring event was performed on February 11, 2004. Surface water sampling for total suspended solids (TSS) and PCBs was performed on February 05, 2004 and February 19, 2004. Confirmatory PCB wipe samples were collected on decontaminated equipment. Four eight-point composite disposal characterization samples were collected from the Cell 14 and 15 soils and sediment on February 16, 2004.

The utility companies, Western Mass Electric and Verizon Telephone Company, continued the utility relocation work on High Street to allow Phase II remediation activities to continue.

The majority of Cell 14 and 15 pre-characterized non-TSCA materials from the Area 64D stockpile management area were transported to the Waste Management of New Hampshire-TREE, Rochester, NH from February 18 to February 21, 2004. (See Table 4 for a summary of material transported to the Waste Management of New Hampshire-TREE, Rochester, NH during the month of February 2004). A portion of the Cell 14 and 15 pre-characterized non-TSCA materials were transported on February 20, 2004 to Seneca Meadows Landfill, Waterloo, N.Y. for landfilling. (See Table 5 for a summary of material transported to the Seneca Meadows Landfill, Waterloo, N.Y. during the month of February 2004).

The vibration monitoring activities continued during the month of February. Two monitoring locations were established in the active work area. One unit was set up on Parcel I8-10-5 to monitor the building located on the parcel during the construction activities associated with the repairs to the crib wall. The second unit was set up on the sidewalk of High Street to monitor a residential structure during the installation of the cantilevered sheetpile wall. (See Figure 1 for the locations of the Vibration Monitors).

Stockpile management area activities continued throughout the month of February. Daily inspections, operation, and maintenance activities were performed within Buildings 63, 65 and Area 64 (the outside stockpile area).

Traffic control was conducted on Lyman Street, High Street and Elm Street during the month of February. Additional traffic control signs were posted along High Street and Elm Street to direct the customers for the Precision Golf Shop on Parcel I8-10-5 and the Clip Shop on Parcel I8-10-4 to additional parking on High Street.

3. Sampling/test results received

The sample results for the water treatment system sampling program were received for samples collected on February 22, 2004; Table 6 summarizes the PCB sample results and Table 6a contains the non-PCB sample results. 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 January 21, 2004, February 5, 2004 and February 19, 2004 are presented in Table 9. Table 10 contains PCB data associated with equipment confirmatory wipe samples. A summary of samples collected for the air sampling conducted on February 11, 2004 is provided in Table 11; however the PCB data for the samples is not yet available. Analytical results for characterization samples collected on February 16, 2004 from the Cells 14 and 15 soil and sediment stockpile are presented in Table 12.

4. Diagrams associated with the tasks performed

Figure 1 is a map of Phase I and the beginning of Phase II and includes layout of all excavation cells, temporary dam, lot parcel identification numbers, water monitoring locations, air sampling locations, vibration monitoring locations, access road locations, fence line location, the water treatment system pad location, the effluent discharge location, and the utility trench location.

5. Reports received and prepared

Weston received a vibration monitoring summary report for the period of February 02, 2004 to March 03, 2004 from Vibra-Tech, Inc. During this period, two seismographs were set up to monitor the impact of the construction work on surrounding structures. One unit was set up on Parcel I8-10-5 to monitor the building located on the parcel during the construction activities associated with the repairs to the crib wall on the parcel. The second unit was set up on the sidewalk of High Street to monitor a residential structure during the installation of the cantilevered sheetpile wall. Both units were set up to collect data on the continuous seismic mode. The seismograph unit monitoring the building on Parcel I8-10-5 experienced technical difficulties, therefore only partial data is available for the month of February. All of the ground vibrations measured complied with the project specifications with one exception at the High Street location. The one reading in question at the High Street location is not consistent with construction activities. As a result the reading was most likely due to human interference.

6. Photo documentation of activities performed

See attached photos.

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

- Continue utility relocation activities on the riverbanks from Elm Street Bridge to Dawes Avenue Bridge.
- Complete riverbed and riverbank excavation activities in Cells 14 and 15.
- Initiate backfill activities in Cells 14 and 15.
- Complete the reinforcement activities of the crib wall and the parking lot on Parcel I8-10-5.
- Complete the installation of the cantilevered sheetpile retaining wall in Cell 15E.
- Initiate repairs of the twenty-four inch storm drain located on the parking lot of Parcel I8-23-6.
- Continue stockpile management activities at Buildings 63, 65, 68 and the Area 64 (outside contaminated material stockpile area).
- Continue transfer of Cell 14 and 15 non-TSCA materials from the stockpile management areas to approved off-site facilities.
- 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).
- Continue vibration monitoring activities of the crib wall on Parcel I8-10-5 during reinforcement activities of the crib wall.

8. Attachments to this report

Table 1. Quantity of Bank and Sediment Material Excavated During the Month of February

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, NY. During the Month of February

Table 5. Quantity of non-TSCA Material Transferred to Waste Management of New Hampshire TREE in Rochester, NH. During the Month of February

Table 1 - Quantity of Bank and Sediment Material Generated During the Month of February
February 2004 Monthly Report

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

(Results are reported in cubic yards)

		Approximate Quantity of Excavated Bank and Sediment Material		
Date	**Location**	**non-TSCA**	**TSCA**	**NAPL impacted**
Bank Soil and Sediment				
02/02/2004	Cell 14E	220	0	0
02/03/2004	Cell 14E	220	0	0
02/04/2004	Cell 14E	176	33	0
02/05/2004	Cell 14E	44	0	0
02/06/2004	Cell 14E	341	0	0
02/09/2004	Cell 14E	220	0	0
02/10/2004	Cell 14E	286	0	0
02/11/2004	Cell 14E&15E	22	0	0
02/12/2004	Cell 14E&15E	231	0	0
02/13/2004	Cell 15E	55	0	0
02/16/2004	Cell 14E	132	88	0
02/17/2004	Cell 14E&15E	253	0	0
02/18/2004	Cell 14E&15E	99	66	0
02/19/2004	Cell 14E&15E	220	0	0
02/20/2004	Cell 15E	88	0	11
02/23/2004	Cell 15E	220	0	11
02/24/2004	Cell 15E	264	0	0
02/25/2004	Cell 15E	319	0	0
02/26/2004	Cell 14E&15E	66	0	198
02/27/2004	Cell 15E	143	0	0
	Monthly total from bank soil and sediment	**3,619**	**187**	**220**

Note:
All quantities are in compacted or “in-place” cubic yards. All loads are estimated at 11cy per truck.

Table 2 - Quantity of Bank and Sediment Material Excavated to Date
February 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 02/27/04	Cell 14E&15E*	4,114	294	220	4,628
	Total	**26,852**	**5,892**	**2,840**	**35,584**

Note:
All quantities determined by pre- and post- excavation surveying.
* - Quantity estimated based on truck counts, Cell excavation and final survey not complete.

Table 3 - Quantity of Material Transferred to OPCAs to Date
February 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	**Location**	**Hill 78 (non-TSCA)**	**Bldg. 71 (TSCA)**
Site Preparation Activities			
09/11/02	Building 65 Stockpile Management Area	225	
Bank Soil and Sediment			
12/05/02 to 12/19/02	Stockpile Management Area/Excavation Cells	4,718 (1)	910 (1)
02/11/03 to 02/28/03	Stockpile Management Area/Excavation Cells	5,137 (2)	539 (2)
03/03/03 to 03/14/03	Stockpile Management Area/Excavation Cells	1,749 (2)	1,353 (2)
04/07/03 to 04/18/03	Stockpile Management Area/Excavation Cells	2,710 (3)	1,698 (3)
04/07/03 to 04/18/03	Stockpile Management Area/Cleanup Material	370 (3)	40 (3)
05/12/03 to 05/14/03	Stockpile Management Area/Excavation Cells	1,826 (3)	0
05/12/03 to 05/14/03	Stockpile Management Area/Cleanup Material	220 (3)	0
06/11/03 to 06/12/03	Stockpile Management Area/Excavation Cells	0	704 (3)
06/16/03 to 06/17/03	Stockpile Management Area/Excavation Cells	712 (3)	0
06/16/03 to 06/17/03	Stockpile Management Area/Cleanup Material	146 (3)	0
07/07/03 to 07/11/03	Stockpile Management Area/Excavation Cells	1,188 (3)	748 (3)
09/15/03 to 09/30/03	Stockpile Management Area/Excavation Cells	2,090 (3)	308 (3)
10/28/03 to 10/30/03	Stockpile Management Area/Excavation Cells	1,623 (3)	33 (3)
10/28/03 to 10/30/03	Stockpile Management Area/Cleanup Material	181 (3)	0
11/18/03	Demolition Debris from Parcels I8-10-2 and I8-10-3	200 (4)	0
1/12/04	Stockpile Management Area/Excavation Cells	77(3)	0
	Project Totals	**23,172**	**6,333**

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 Seneca Meadows Landfill, Waterloo, N.Y.
During the Month of February
February 2004 Monthly Report

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

(Results are reported in tons)

Date Shipped	Doc. Number	Net Weight (Tons) (1)
02/20/04	0123SM	31.6
02/20/04	0124SM	30.19
02/20/04	0125SM	30.97
02/20/04	0126SM	32.62
02/20/04	0127SM	31.71
02/20/04	0128SM	34.99
	Total of Material Disposed	**192.08**

Notes:
(1) Net weights established at the disposal facility

Table 4 - Quantity of non-TSCA Material Transported to Waste Management of New Hampshire-TREE, Rochester, N.H.
During the Month of February
February 2004 Monthly Report

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

(Results are reported in tons)

Date Shipped	Doc. Number	Net Weight (Tons) (1)
02/18/04	0028WMNH	29.81
02/18/04	0029WMNH	31.84
02/18/04	0030WMNH	31.39
02/18/04	0031WMNH	30.97
02/18/04	0032WMNH	31.80
02/18/04	0033WMNH	30.47
02/19/04	0034WMNH	31.23
02/19/04	0035WMNH	32.96
02/19/04	0036WMNH	32.22
02/19/04	0037WMNH	31.69
02/19/04	0038WMNH	32.64
02/19/04	0039WMNH	29.07
02/19/04	0040WMNH	30.80
02/19/04	0041WMNH	30.31
02/19/04	0042WMNH	31.18
02/19/04	0043WMNH	30.93
02/19/04	0044WMNH	31.32
02/19/04	0045WMNH	32.12
02/19/04	0046WMNH	32.48
02/19/04	0047WMNH	32.70
02/19/04	0048WMNH	32.40
02/19/04	0049WMNH	31.86
02/20/04	0050WMNH	30.45
02/20/04	0051WMNH	31.79
02/20/04	0052WMNH	31.27
02/20/04	0053WMNH	32.86
02/20/04	0054WMNH	30.58
02/20/04	0055WMNH	31.35
02/20/04	0056WMNH	30.66
02/20/04	0057WMNH	29.74
02/20/04	0058WMNH	31.34
02/20/04	0059WMNH	30.99
02/23/04	0060WMNH	31.47
02/23/04	0061WMNH	31.21

Date Shipped	Doc. Number	Net Weight (Tons) (1)
02/23/04	0062WMNH	31.46
02/23/04	0063WMNH	30.80
02/23/04	0064WMNH	31.41
	Total of Material Disposed	**1,159.57**

Notes:
(1) Net weights established at the disposal facility

Table 6- NPDES Sampling Results for Water Treatment System
February 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
H2-WW000001-0-4F22	Influent	02/22/2004	ND(0.012)	ND(0.012)	**0.018**	**0.025**	**0.043**
H2-WW000002-0-4F22	Intermediate	02/22/2004	ND(0.012)	ND(0.012)	**0.057**	**0.017**	**0.074**
H2-WW000003-0-4F22	Effluent	02/22/2004	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.013)
Action Level	**Effluent**		**0.50**	**0.50**	**0.50**	**0.50**	**0.50**

Notes:
ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.
Intermediate - sample collected between carbon units which are being operated in series.
2/22/04 - monthly sampling

Table 6a - NPDES non-PCB Sampling Results for Water Treatment System
February 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-WW000001-0-4F22	H2-WW000002-0-4F22	H2-WW000003-0-4F22	NPDES Permit Regulatory Effluent Limits
Sample type	Influent	Intermediate	Effluent	
Date Collected	02/22/2004	02/22/2004	02/22/2004	
Analyte				
APP IX SEMIVOLATILES				
	---	**---**	**---**	
APP IX VOLATILES				
	---	**---**	**---**	
METALS				
BARIUM	**24.2**	**---**	**40.9**	**100**
TIN	**14.5**	**---**	ND	**100**
ZINC	ND	**---**	**21.7**	**500**
ORGANIC				
PETROLEUM HYDROCARBON	**---**	**---**	**---**	**5000**

NOTES:
Intermediate - sample collected between carbon units which are being operated in series.
Only detected constituents are summarized
ND - not detected
--- not sampled

Table 7 - Daily Air Monitoring Results
February 2004 Monthly Report

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

Date Collected	Sample Location	Average Site Concentration (mg/m^3)	Average Period (Hours:Min)
	Upwind	N/A	N/A
	Downwind	N/A	N/A
02/02/2004	Background	N/A	N/A
	Upwind	N/A	N/A
	Downwind	N/A	N/A
02/03/2004	Background	N/A	N/A
	Upwind	N/A	N/A
	Downwind	N/A	N/A
02/04/2004	Background	N/A	N/A
	Upwind	N/A	N/A
	Downwind	N/A	N/A
02/05/2004	Background	N/A	N/A
	Upwind	N/A	N/A
	Downwind	N/A	N/A
02/06/2004	Background	N/A	N/A
	Upwind	0.001	7
	Downwind	0.011	7
02/09/2004	Background	0.005	7
	Upwind	0.020	20
	Downwind	0.007	24
02/10/2004	Background	0.000	7
	Upwind	0.001	8
	Downwind	0.000	8
02/11/2004	Background	--	--
	Upwind	0.000	8
	Downwind	0.010	8
02/12/2004	Background	0.018	25
	Upwind	0.012	5
	Downwind	0.000	5
02/13/2004	Background	0.006	4
	Upwind	0.019	17
	Downwind	0.010	26
02/16/2004	Background	0.001	28
	Upwind	--	--
	Downwind	--	--
02/17/2004	Background	--	--
	Upwind	0.018	14
	Downwind	0.001	14
02/18/2004	Background	0.012	12
	Upwind	0.280	7
	Downwind	0.001	7
02/19/2004	Background	0.012	5

Table 7 - Daily Air Monitoring Results
February 2004 Monthly Report

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

Date Collected	Sample Location	Average Site Concentration (mg/m^3)	Average Period (Hours:Min)
	Upwind	N/A	N/A
	Downwind	N/A	N/A
02/20/2004	Background	N/A	N/A
	Upwind	0.023	22
	Downwind	0.000	8
02/23/2004	Background	0.003	13
	Upwind	0.019	8
	Downwind	0.002	11
02/24/2004	Background	--	--
	Upwind	0.017	22
	Downwind	0.003	22
02/25/2004	Background	0.011	22
	Upwind	--	--
	Downwind	--	--
02/26/2004	Background	--	--
	Upwind	0.010	36
	Downwind	0.000	40
02/27/2004	Background	0.001	29
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
February 2004 Monthly Report

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

Date	Flow at Coltsville (cfs)	Location	Turbidity			Temperature Average (^{o}C)
			Average	High	Low	
02/02/2004	46	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	0.15
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/03/2004	46	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	0.22
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/04/2004	49	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	1.13
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/05/2004	47	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	0.76
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/06/2004	49	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	0.82
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/09/2004	56	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	0.22
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/10/2004	53	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	1.52
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/11/2004	51	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	1.50
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/12/2004	49	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	0.54
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/13/2004	48	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	1.75
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/16/2004	42	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	0.29
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/17/2004	43	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	0.38
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/18/2004	44	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	0.47
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/19/2004	43	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	0.61
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/20/2004	42	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	1.14
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/23/2004	42	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	1.42
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/24/2004	41	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	1.50
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/25/2004	41	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	1.12
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A
02/26/2004	40	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	1.15
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A

Date	Flow at Coltsville (cfs)	Location	Turbidity			Temperature Average (^{o}C)
			Average	High	Low	
02/27/2004	40	Upstream of Lyman Street Bridge	-0.1	-0.1	-0.1	1.25
		Downstream of Pomeroy Avenue Bridge	N/A	N/A	N/A	N/A

Notes:

Turbidity Action Level - Average Downstream (Elm Street) ≥ Average Upstream (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

Lyman Street data is suspect (no variation in readings). This may be due to the effects of ice and the

N/A - Pomeroy turbidimeter removed due to calibration drift. Not replaced due to ice

Table 9 - Summary of Turbidity, PCB, and TSS Water Column Monitoring Results
February 2004 Monthly Report

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

Location	Date	Estimated Flow (cfs)	Turbidity (ntu)			Water Temp. (^{o}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 Avarage							
Upstream of Newell St. Bridge	01/21/04	60	NS	NS	NS	NS	*	*	H0-SW000054-0-4J21	ND(0.012)	ND(0.012)	**2.5**
Downstream of Lyman St. Bridge	01/21/04	60	-0.1	-0.1	-0.1	0.11	NS	NS	H2-SW000055-0-4J21	ND(0.012)	ND(0.012)	**5.7**
Downstream of Pomeroy Ave. Bridge	01/21/04	60	N/A	N/A	N/A	N/A	*	*	H2-SW000052-0-4J21	ND(0.012)	ND(0.012)	**3.0**
Upstream of Newell St. Bridge	02/05/04	47	NS	NS	NS	NS	NS	NS	H0-SW000054-0-4F05	NS	NS	NS
Downstream of Lyman St. Bridge	02/05/04	47	-0.1	-0.1	-0.1	0.76	NS	NS	H2-SW000055-0-4F05	ND(0.012)	ND(0.013)	**2.8**
Downstream of Pomeroy Ave. Bridge	02/05/04	47	N/A	N/A	N/A	N/A	*	*	H2-SW000052-0-4F05	ND(0.012)	ND(0.012)	**2.1**
Upstream of Newell St. Bridge	02/19/04	43	NS	NS	NS	NS	*	*	H0-SW000054-0-4F19	ND(0.013)	ND(0.013)	**3.4**
Downstream of Lyman St. Bridge	02/19/04	43	-0.1	-0.1	-0.1	0.61	NS	NS	H2-SW000055-0-4F19	ND(0.013)	ND(0.013)	**2.8**
Downstream of Pomeroy Ave. Bridge	02/19/04	43	N/A	N/A	N/A	N/A	49.2	41.9	H2-SW000052-0-4F19	ND(0.013)	ND(0.013)	**4.8**
Downstream of Pomeroy Ave. Bridge (duplicate)	02/19/04	43	N/A	N/A	N/A	N/A	49.2	41.9	H2-SW000052-1-4F19	ND(0.013)	NS	NS

Notes:
PCB Action Level - Downstream (Pomeroy Avenue) $\geq$ Upstream (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.
* Water levels not recorded at the staff gages due to ice on 1/21/04 and 2/19/04, therefore flow measurements not available. Newell Street gage dislodged due to ice.
NR - Not yet reported
N/A Pomeroy turbidimeter removed due to calibration drift. Not replaced due to ice.

Table 10 - Equipment Confirmatory Wipe Samples
February 2004 Monthly Report

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

(Results are presented in μg/100 cm^2)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-XI000141-0-4F19	19-Feb-04	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
H2-XI000142-0-4F19	19-Feb-04	ND(0.5)	ND(0.5)	**0.5**	**0.5**

Notes:

PCB Action Level - 10.0 μg/100 cm^2

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

Table 11 - PCB Air Sampling Results
February 2004 Monthly Report

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

(Results are presented in μg/m^3)

Sample ID	Location*	Date Collected	Aroclor 1016, & 1242	Aroclor 1221, 1232, & 1248	Aroclor 1254	Aroclor 1260
H2-AR000007-0-4F11	background	11-Feb-04	NR	NR	NR	NR
H2-AR000030-0-4F11	AR000030	11-Feb-04	NR	NR	NR	NR
H2-AR000032-0-4F11	AR000032	11-Feb-04	NR	NR	NR	NR
H2-AR000033-0-4F11	AR000033	11-Feb-04	NR	NR	NR	NR
H2-AR000033-1-4F11 (duplicate)	AR000033	11-Feb-04	NR	NR	NR	NR
H2-AR000034-0-4F11	AR000034	11-Feb-04	NR	NR	NR	NR

Notes:
Notification Level: 0.05μg/m^3
Action Level: 0.1μg/m^3
* - See Figure 1 for locations

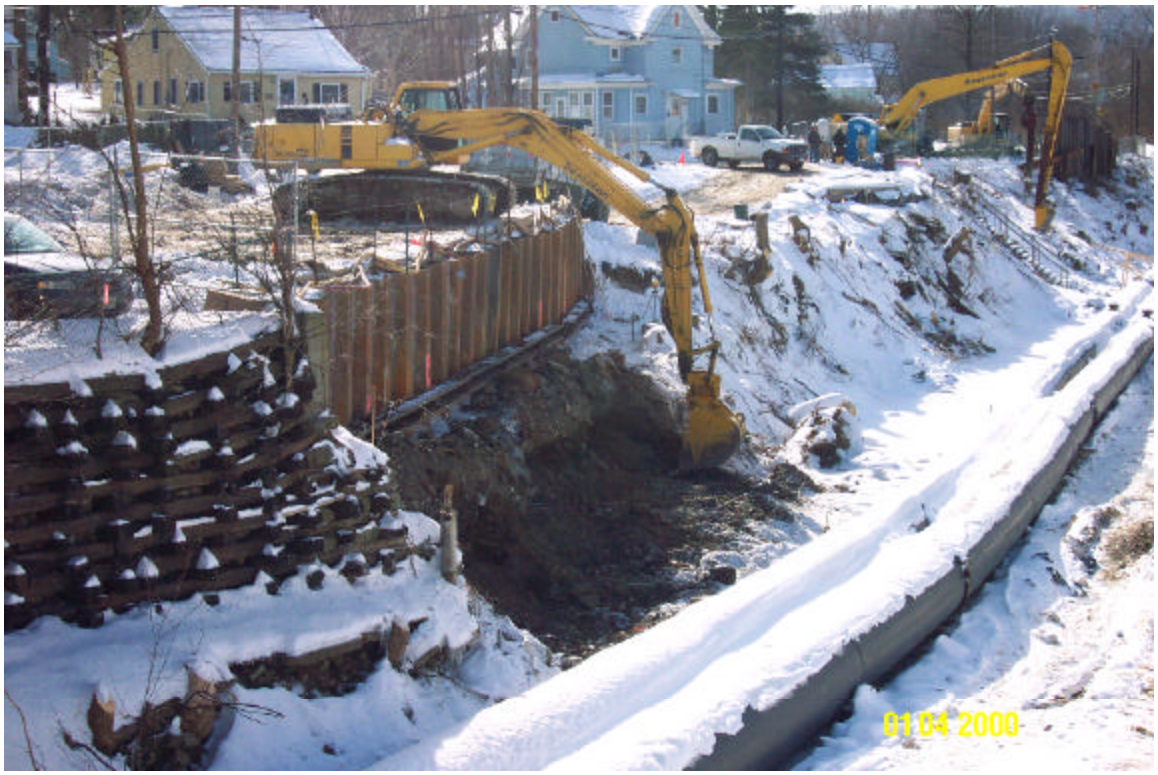
Total PCBs
NR
NR
NR
NR
NR
NR

Table 12 - Soil/ Sediment Characterization Testing Results
February 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-OT000095-0-4F16	H2-OT000096-0-4F16	H2-OT000097-0-4F16	H2-OT000098-0-4F16
Sample type	stockpile material characterization	stockpile material characterization	stockpile material characterization	stockpile material characterization
Date Collected	2/16/2004	2/16/2004	2/16/2004	2/16/2004
Analyte				
PCBS				
AROCLOR-1254	**0.088**	ND	**0.048**	**0.16**
AROCLOR-1260	**0.13**	**0.4**	**0.24**	**0.17**
PCB, TOTAL	**0.22**	**0.4**	**0.29**	**0.33**
ORGANIC				
PETROLEUM HYDROCARBON	**220**	**101**	**132**	**107**
TCLP HERBICIDES				
	all Non-Detects	all Non-Detects	all Non-Detects	all Non-Detects
TCLP METALS				
ARSENIC, TCLP LEACHATE	**0.0074**	**0.0079**	**0.0194**	ND
BARIUM, TCLP LEACHATE	**0.524**	**0.48**	**0.44**	**0.509**
CADMIUM, TCLP LEACHATE	**0.002**	**0.0028**	**0.0029**	**0.0024**
LEAD, TCLP	**0.0798**	**0.118**	**0.142**	**0.105**
SELENIUM, TCLP LEACHATE	**0.0054**	**0.0098**	**0.0072**	**0.0069**
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
INORGANICS				
CORROSIVITY BY PH	**7.4**	**7.6**	**7.7**	**7.8**
IGNITABILITY **(deg f)**	**150**	**150**	**150**	**150**
PAINT FILTER LIQUIDS **(ml)**	ABSENT	ABSENT	ABSENT	ABSENT
PERCENT SOLIDS **(%)**	**93.2**	**89.9**	**83.7**	**88.1**
ACID SOLUBLE SULFIDE	ND(8.6)	(ND)8.9	ND(9.5)	ND(9.0)
CYANIDE	ND	ND	ND	ND

Notes:
Only detected constituents are summarized
ND - not detected

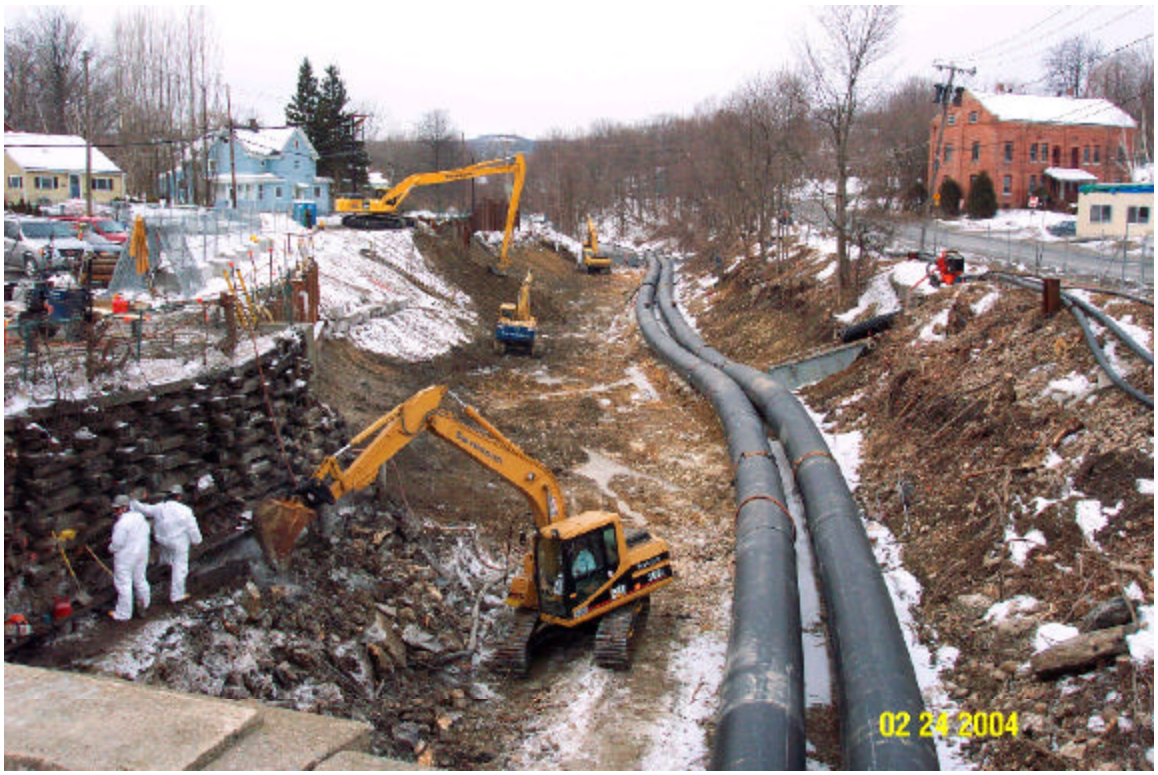


Photograph 1 – Excavation Activities in Cell 14E

Photograph 2 – Excavation Activities in Cell 15E

Photograph 3 – Installation of Micropiles for the Crib Wall Reinforcement

Photograph 4 – Excavation Activities Beneath the Crib Wall



Photograph 5 – Overview of Excavation Activities in Cells 14 and 15

Photograph 6 – Installation of the Soil Nails for the Crib Wall Reinforcement

East Street
GE Owned
I9-4-25
I9-4-201
I9-4-203
Lyman Street
Cell 1A
Cell 1B
Cell 3
Cell 4
Cell 5
Cell 2
Cell 5A
I9-4-19
Cove Street
I9-5-14
Hathaway Street
Cell 8
Cell 6A
Cell 6
I9-4-14
Cell 7
Cell 8A
Cell 7A
I8-24-5
Cell 9
Cell 10
I8-23-6
Ashley Street
I8-24-4
Root Place
Cell 10A
Cell 12
AR000030
Temporary Dam
(End of Phase 1)
AR000033
I8-24-1
Elm Street
Cell 13 W
Cell 12A
Pull Box
Cell 11
Cell 11A
Day Street
Crosiat Avenue
Mystic Street
AR000032
Cell 14W
Cell 13 E
Deming Street
Cell 14 E
Cell 15W
High Street
I8-10-5
I8-10-4
Elm Street
Newell Street
I8-10-2
I8-10-3
Cell 15E
AR000034

LEGEND

- Roads
- Surface Water
- Water Treatment Plant*
- Access Roads
- Asphalt Access Road
- Property Lines
- Fence line*
- Work Completed
- Work In Progress
- Work Pending
- Turbidity Monitoring Locations
- Air Sampling Locations
- Water Monitoring Locations
- Virbration Monitoring Locations
- Buried Electric/Telephone Line*

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

N

Scale in Feet

100 0 100 200

WESTON SOLUTIONS

Figure 1
1.5 Mile Removal Action
Site Map
February 2004 Monthly Report

| G:\PROJECTS\RYAN\ARC VIEW DATA BROWSER\PHASE 2 600FT MONTHLY REPORTS.APR | FEBRUARY 2004 MONTHLY REPORT LAYOUT | G:\1_5 MILE\MONTHLY REPORTS\2004\2004 JANUARY\FEBRUARY 2004 MONTHLY REPORT MAP.EPS | 2:17 PM, 3/10/2