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Corporate Environmental Programs
General Electric Company
100 Woodlawn Avenue, Pittsfield, MA 01201

September 7, 2001

Mr. Dean Tagliaferro
US Environmental Protection Agency
c/o Roy Weston, Inc.
One Lyman Street
Pittsfield, MA 01201

Ms. J. Lyn Cutler
Department of Environmental Protection
436 Dwight Street
Springfield, MA 01103

**Re: Upper ½-Mile Reach of Housatonic River Removal Action (GECD800)
Monthly Report – August 2001**

Dear Mr. Tagliaferro and Ms. Cutler:

In accordance with the approved Removal Action Work Plan – Upper ½ Mile Reach of Housatonic River, enclosed please find the August 2001 Monthly Report.

Please call me with any questions.

Yours truly,

Andrew T. Silfer, P.E.
Senior Technical Manager

ATS/dmn
Enclosures

cc: J. R. Bieke, Esquire, Shea & Gardner
M. T. Carroll, GE
R. Goff, ACE
H. Inglis, EPA
J. H. Maxymillian Technologies
T. B. McKinsey, BBL
S. Messur, BBL
K. C. Mitkevicius, USACE
T. O'Brien, MA EOE
B. Olson, EPA
R. McLaren, Esquire, GE
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1.0 Overview:

During August 2001, General Electric Company (GE) and its contractor Maxymillian Technologies Incorporated (MTI) continued work on the Upper 1/2 Mile Reach Removal Action. The primary work included completing removal and restoration activities in Cell H3, completing response actions associated with the dense non-aqueous phase liquid (DNAPL) encountered in Cell H3, and performing the summer vegetation monitoring inspection. In addition, GE completed work tasks associated with supplemental sediment removal activities in the Building 68 Area. These additional Building 68 Area activities are reported herein for completeness but are not part of the Upper 1/2 Mile Reach Removal Action.

Weekly status meetings were held on August 13, 20, and 27. The weekly status meeting scheduled for August 6 was cancelled.

2.0 Chronological description of the tasks performed:

Refer to the figure (Exhibit A) referenced in Section 4.0 and attached to this report for an orientation of the sheetpile cells and their respective locations. During the month of August 2001, GE Buildings 33X and 33-north were used as temporary storage facilities for Toxic Substances Control Act (TSCA) material and non-TSCA material prior to final disposition at the On-Plant Consolidation Areas (OPCAs). In addition, a temporary storage area was maintained in Building 65 to stockpile non-aqueous-phase liquid (NAPL)-impacted sediment excavated from Cell H2 prior to off-site disposal. Also, a dewatering pad/temporary storage area was maintained to the east of Building 68 to stockpile materials from the Building 68 supplemental sediment removal activities and NAPL-impacted material removed from Cell H3.

Although not part of the Upper 1/2-Mile Reach Removal Action activities required under the Consent Decree, supplemental sediment removal activities for the Building 68 Area were completed during the month of August. This work is not part of the Upper 1/2-Mile Reach Removal Action required under the Consent Decree, but is being conducted voluntarily by GE at the Environmental Protection Agency's (EPA's) request.

During the first week of August, work efforts began in the Building 68 Area by constructing a dewatering pad (for the excavated sediment) on the north side of the river. A 60-mil poly-liner was placed over concrete berms and filled with a drainage layer of sand to form the dewatering pad. In addition, upstream and downstream cutoff sheetpile walls were placed, driven, and connected to the existing centerline wall to create Cell 68R2 (on the north side of the river). To minimize delays in the project schedule, the sheetpile walls were installed to encompass both cells H3 and 68R2 with no cutoff wall between the cells.

During the second week of August, Cell 68R2 supplemental removal activities were completed. Cell 68R2 was initially dewatered by pumping the cell water over the cutoff wall and into the river. Once the water level was six inches above the top of the sediment, the cell water was pumped to the on-site water treatment system. Following dewatering of the cell, a baseline survey was performed to record existing elevations. Sediment removal activities were completed from the north side of the river using a horizontal-cut clamshell bucket attached to the arm of an excavator. Sediment was removed to the top of the existing armor stone protective cap. The removed sediment was placed in the Cell 68R2 dewatering pad (on the north side of the river) to decant excess water. The decanted sediment was then loaded into trucks for transportation to the Building 33-north stockpile area.

Following removal of the sediment, a post-removal survey was performed to document the extent of removal. In addition, a post-removal inspection was performed with representatives from EPA and U.S. Army Corps of Engineers (ACE) in attendance. The purpose of the Cell 68R2 inspection was to record post-removal conditions and provide input for restoration of the cell.

Also during the second week of August, Cell H3 bank soil and river sediment removal activities were initiated. All material removed from Cell H3 was handled as TSCA-material due to the small amount of non-TSCA material and the corresponding time required to handle this material separately. TSCA-sediment and soil removed from the cell were transferred by truck to Building 33X for temporary stockpiling. During excavation activities on August 8, 2001, a light gray sheen was observed on the surface water within the contained cell, in the downstream part of Cell H3. This observation was verbally reported to EPA, Massachusetts Department of Environmental Protection (MDEP), and the National Response Center (NRC) on the same date (the NRC issued Tracking Number 575791). The following day, August 9, 2001, small droplets of DNAPL were observed on the bottom of the excavation in the middle part of Cell H3. Response actions included placing a berm around the DNAPL and placing oil booms at the pump intake for the water handling system. In addition, an excavation of the affected sediment from Cell H3 was completed. With EPA approval and oversight, that excavation involved the removal of approximately 61 cubic yards (cy) of NAPL-impacted sediment and, based on visual observation, the DNAPL was successfully removed from the river bottom. The excavated sediment was staged in the Cell 68R2 dewatering pad for decanting prior to being characterized for disposal purposes. Following removal activities in Cell H3, post-excavation surveys were completed to confirm removal limits (including the DNAPL area). After the surveys were complete, restoration activities were initiated in Cell H3.

The Cell H3 restoration work tasks for river and bank areas were completed during the third week of August. The DNAPL removal area was restored with a geotextile layer and a one-foot layer of gravel for drainage and then restored in accordance with the requirements of the Work Plan. A geotextile layer was installed over the bottom of the

excavation area and the isolation sand layer was then placed over the geotextile fabric to a nominal depth of 12 to 24 inches. Following placement of the isolation sand layer, another layer of geotextile and a layer of geogrid were installed. The stone armor layer was then installed, which consisted of placing 9-inch rip-rap on top of the geogrid. This process completed the restoration of the Cell H3 riverbed.

Bank restoration activities for Cell H3 included placing rip-rap, backfilling excavation areas, and placing topsoil and grass seed. Rip-rap was placed at the toe-of-the-bank and at 1:1 bank slope areas. Further up the bank above the rip-rap, the excavation areas were backfilled with soil and compacted. A 6-inch layer of topsoil was placed over the backfill, followed by placement of grass seed and erosion mats to complete the bank restoration activities. A post-restoration final survey was then completed for the entire Cell H3.

Cell 68R2 restoration activities, including certain maintenance actions for the Building 68 bank area, were completed during the fourth week of August. Restoration work efforts for the Building 68 bank area focused on the eroded bank area and included installing rip-rap to backfill the undercut bank area and match grades at the edge of the river. Restoration of Cell 68R2 included placing rip-rap to match grades to surrounding cells and filling low areas/channel areas of the cell with rip-rap, as needed. Following restoration activities, a post-restoration survey was completed to record the final restored cell elevations.

The summer vegetation inspection was performed on August 23 and 24, as part of the monitoring program for previous plantings on restored bank areas of the Upper 1/2-Mile Reach. The purpose of the inspection was to monitor the status of planted specimens based on plant survival and vigor. Representatives from Massachusetts Executive Office of Environmental Affairs (EOEA), AMEC Environmental (planting inventory), and C.L. Frank (certified arborist) performed the vegetation inspection. Both AMEC and EOEA performed planting inventory and stem counts of specimens to evaluate plant survival. An evaluation of plant vigor and invasive species was performed by the certified arborist. The findings of the inspection will be summarized and compared to the performance standards presented in the Work Plan. Additional remedial measures associated with the restored bank vegetative plantings will be implemented as required.

Pre-excavation soil sampling was also performed in Lyman Street during the fourth week of August to facilitate relocation of the Lyman Street Bridge water line. Two soil borings were installed to a depth of 8 feet and samples were collected at two-foot intervals and submitted for polychlorinated biphenyl (PCB) analysis. The final disposition of the excavated material will be determined based on the results of the samples and discussions with EPA.

During the fifth week of August, removal of the Cell 68R2 sheetpile walls continued. In addition, the equipment was relocated downstream and the Cell II sheetpile wall

installation was initiated. Clearing activities were continued at Cells I and J bank areas during August. Trees and brush were removed to allow access to the river area and to conduct removal activities on the bank. Material removed from this area was stockpiled on site to be chipped before being disposed of off-site as a non-regulated material. During clearing activities for Cell I, a 2-inch diameter black plastic pipe was observed protruding from the bank. Due to its location and odors observed near the pipe, it was suspected that the pipe may have been associated with the former phenol metering station located in the northwest corner of the Newell Street parking lot. On August 28, 2001, a sample of liquid contained in the pipe was obtained and analyzed for PCBs, volatile organic compounds (VOCs), and semi-VOCs (SVOCs). The results of this testing indicated elevated levels of phenol and phenol-related compounds and, as a result, the liquid will be pumped out of the pipe and containerized for off-site disposal. The pipe will then be removed from the bank and also disposed of off-site.

Also during the last week of August, what appeared to be a biologic sheen was observed on August 31, 2001, on top of sediment at the toe of the bank and on surface water near restored Cell G3 (approximately 1,700 feet downstream from the Newell Street Bridge). On the same date, GE notified the NRC, EPA, and MDEP of the observed sheen (the NRC issued report #578450).

NAPL-impacted sediment removed from the Upper ½ Mile Reach was disposed of off-site during August. Based on characterization analytical results, approximately 74 cy of Cell H2 NAPL-impacted sediment staged in the Building 65 containment area were disposed of off-site. In addition, approximately 61 cy of NAPL-impacted material excavated from Cell H3 and staged on the Cell 68R2 dewatering pad were also transported off-site for disposal at an appropriate facility.

During August, GE also continued weekly monitoring of the recovery and monitoring wells associated with the Cells G2 and G3 source control barrier walls. NAPL was detected at a thickness of 0.01 feet in HR-G2-RWI on August 27, 2001, but was not recoverable at this thickness. Monitoring of these wells will continue during the month of September.

Air monitoring for particulate matter was conducted on a daily basis. The daily air particulate measurement from two locations (AM-6 and BM-1) for August 10, 2001, exceeded the air monitoring notification level and EPA and MDEP were notified. Based on the professional opinion of the air monitoring contractor (Berkshire Environmental Consultants), the particulate data collected at both the on-site (AM-6) and background (BM-1) monitoring locations were biased due to high humidity levels.

The August PCB air monitoring event will be conducted in September and the results will be presented in the next monthly status report. Water column (PCB and TSS) monitoring was also continued during removal activities in the month of August.

3.0 Sampling/test results received:

Table 1 presents the analytical results for the former phenol pipeline.

Table 2 presents the analytical results for the Lyman Street pre-excavation soil samples.

Table 3, 4, and 5 presents waste characterization results for Cell H3 NAPL-impacted sediment.

Table 6 presents waste characterization results for Cell H2 NAPL-impacted sediment.

Table 7 presents monitoring data from wells associated with the Cell G2 sheetpile containment barrier.

Table 8 presents monitoring data from wells associated with the Cell G3 sheetpile containment barrier.

Table 9 presents the results of the August air monitoring for particulate matter.

Tables 10A and 10B present the daily water column monitoring results for turbidity and the results of the water column samples collected for total suspended solids (TSS) and PCB analysis.

Table 11 presents analytical results for isolation sand and backfill.

4.0 Diagrams associated with the tasks performed:

A figure labeled as Exhibit A shows the location of the Cells (68R1, 68R2, H, I, and J) and is attached to this report for reference.

A summary chart (Exhibit B) has been developed to assist in tracking the analytical and physical testing requirements of the various sources of backfill (e.g., isolation material, soil back fill, riprap rock, etc.). Exhibit B includes the volume of backfill materials used, the analytical and physical testing frequencies required by the Work Plan, and the testing that has been performed to date.

5.0 Identification of reports received and prepared:

During the month of August, meeting summaries from the weekly project status meetings were submitted. Also, for work completed in July 2001, the monthly reports required by the Consent Decree and the Upper 1/2-Mile Reach Removal Action Work Plan were both submitted.

In addition, during August, GE submitted the following documents:

- Letter regarding *Overview of GE Water Quality Sampling Plan*, dated August 27, 2001;
- Invasive control herbicide material data sheets; and
- Submittal No. 24 – Isolation sand/backfill soil analytical results.

6.0 Photo documentation of activities performed:

- See attached Figure 1.

7.0 Brief description of work to be performed in September 2001:

For the next reporting period, the following activities are anticipated to be performed:

- Initiate relocation of the Lyman Street water line.
- Initiate and complete removal and restoration activities in Cell II.
- Maintain temporary stockpiles of material in Buildings 33-north and 33X (non-TSCA and TSCA, respectively).
- Continue monitoring of wells associated with the Cells G2 and G3 source control sheetpile walls.
- Continue to conduct air monitoring and water column monitoring associated with response activities for the Upper ½-Mile Reach.

In addition, GE intends to prepare and submit a revised estimated project planning timetable for the remainder of the Upper ½ Mile Reach Removal Action, including a proposed revised completion date for this Removal Action.

8.0 Attachments to this report:

- Table 1 – Analytical results for the former phenol pipeline.
- Table 2 – Analytical results for Lyman Street pre-excavation soil samples.
- Tables 3, 4, and 5 – Waste characterization results for Cell H3 NAPL-impacted sediment.

- Table 6 – Waste characterization results for Cell H2 NAPL-impacted sediment.
- Table 7 – Cell G2 monitoring well data.
- Table 8 – Cell G3 monitoring well data.
- Table 9 – Results of the August air monitoring for particulate matter.
- Table 10A – Daily water column monitoring results.
- Table 10B – Water column samples collected for total suspended solids (TSS) and PCB analysis.
- Table 11 – Isolation sand and backfill soil analytical results.
- Exhibit A – Figure showing the progress of work within the Upper 1/2-Mile Reach.
- Exhibit B – Backfill quantity and sample summary chart.
- Figure 1 - Photo documentation.

TABLE 1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER UPPER 1/2 MILE REACH
PIPE SAMPLING
DATA RECEIVED DURING AUGUST 2001

(Results are presented in parts per million, ppm)

Parameter	Sample ID: Date Collected:	HR-PIPE-1 08/28/01
Volatile Organics		
2-Hexanone		0.44
4-Methyl-2-pentanone		0.072
Acetone		4.5
PCBs		
None Detected		--
Semivolatile Organics		
2-Methylphenol		430
Phenol		31000

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to CT&E Environmental Services, Inc. for analysis of PCBs, volatiles and semivolatiles.
2. Only detected constituents are summarized.
3. -- All analytes were non-detect for this parameter group.

TABLE 2

GENERAL ELECTRIC COMPANY
 PITTSFIELD, MASSACHUSETTS

LYMAN STREET AREA
 WATER LINE RELOCATION SOIL SAMPLING
 PCB SAMPLE DATA RECEIVED DURING AUGUST 2001

(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
LYMAN-BRIDGE-SB-1	0-2	8/22/01	ND(0.35)	5.7	ND(0.35)	5.7
	2-4	8/22/01	ND(0.036)	0.18	ND(0.036)	0.18
	4-6	8/22/01	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	6-8	8/22/01	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
LYMAN-BRIDGE-SB-2	0-2	8/22/01	ND(0.69)	14	ND(0.69)	14
	2-4	8/22/01	ND(0.70)	33	ND(0.70)	33
	4-6	8/22/01	ND(9.0)	190	ND(9.0)	190
	6-8	8/22/01	ND(0.041) [ND(0.040)]	0.087 [0.13]	ND(0.041) [ND(0.040)]	0.087 [0.13]

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to CT&E Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Duplicate sample results are presented in brackets.

TABLE 3

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER UPPER 1/2 MILE REACH
CELL H3 SEDIMENT SAMPLING
PCB DATA RECEIVED DURING AUGUST 2001

(Results are presented in dry weight parts per million, ppm)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, 1248, & 1254	Aroclor-1260	Total PCBs
HR-H3-COMP-1	8/14/01	ND(370)	1100	1100
HR-H3-COMP-2	8/14/01	ND(19)	520	520
HR-H3-COMP-3	8/14/01	ND(18) [ND(18)]	510 [500]	510 [500]
HR-H3-COMP-4	8/14/01	ND(18)	370	370

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to CT&E Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Duplicate sample results are presented in brackets.

TABLE 4

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER UPPER 1/2 MILE REACH
CELL H3 SEDIMENT SAMPLING
VOLATILE AND SEMIVOLATILE DATA RECEIVED DURING AUGUST 2001

(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: Date Collected:	HR-H3-COMP-4 08/14/01
Volatile Organics		
Chlorobenzene		0.0034 J
Semivolatile Organics		
1,2,4-Trichlorobenzene		49
1,2-Dichlorobenzene		0.087 J
1,3-Dichlorobenzene		0.16 J
1,4-Dichlorobenzene		1.2
Acenaphthylene		0.16 J
Anthracene		0.59
Benzo(a)anthracene		0.71
Benzo(a)pyrene		0.40
Benzo(b)fluoranthene		0.33 J
Benzo(g,h,i)perylene		0.11 J
Benzo(k)fluoranthene		0.23 J
Chrysene		0.53
Dibenzofuran		0.081 J
Fluoranthene		1.1
Fluorene		0.43
Hexachlorobenzene		0.47
Indeno(1,2,3-cd)pyrene		0.14 J
Phenanthrene		1.8
Pyrene		1.7

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to CT&E Environmental Services, Inc. for analysis of volatile and semivolatile organics.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Only detected constituents are summarized.
4. J - Indicates an estimated value less than the practical quantitation limit (PQL).

TABLE 5

GENERAL ELECTRIC COMPANY
 PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER UPPER 1/2 MILE REACH
 CELL H3 SEDIMENT SAMPLING
 TCLP DATA RECEIVED DURING AUGUST 2001

(Results are presented in parts per million, ppm)

Sample ID Date Collected	TCLP Maximum Concentrations	HR-H3-COMP-1 8/14/01	HR-H3-COMP-2 8/14/01	HR-H3-COMP-3 8/14/01
Volatile Organics				
None Detected	--	--	--	-- [--]
Semivolatile Organics				
1,4-Dichlorobenzene	7.5	0.085	ND(0.050)	ND(0.050) [ND(0.050)]
Inorganics				
Barium	100	0.170	0.340	0.0910 [0.0920]
Lead	5	ND(0.100)	2.30	0.150 [0.170]

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Northeast Analytical, Inc. for analysis of TCLP volatiles, semivolatiles and metals.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Duplicate sample results are presented in brackets.
4. Only those constituents detected in one or more samples are summarized.
5. -- All analytes were non-detect for this parameter group.

TABLE 6

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER UPPER 1/2 MILE REACH
CELL H2 SEDIMENT TCLP SAMPLING
DATA RECEIVED DURING AUGUST 2001

(Results are presented in parts per million, ppm)

Parameter	Sample ID: Date Collected:	TCLP Maximum Concentrations	BLD65-COMP-SED-1 7/24/01	BLD65-COMP-SED-2 7/24/01	BLD65-COMP-SED-3 7/24/01	BLD65-COMP-SED-4 7/24/01	BLD65-COMP-SED-5 7/24/01	BLD65-COMP-SED-6 7/24/01
Volatile Organics								
Chlorobenzene		100	ND(0.0050)	ND(0.0050)	0.0028 J	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Tetrachloroethene		0.7	ND(0.0050)	ND(0.0050)	0.0016 J	ND(0.0050)	ND(0.0050) [ND(0.0050)]	ND(0.0050)
Semivolatile Organics								
1,4-Dichlorobenzene		7.5	ND(0.050)	ND(0.050)	0.0073 J	ND(0.050)	0.0087 J [0.0082 J]	ND(0.050)
Inorganics								
Barium		100	0.155	0.231	0.193	0.173	0.169 [0.156]	NS

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Northeast Analytical, Inc. for analysis of TCLP volatiles, semivolatiles and metals.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Duplicate sample results are presented in brackets.
4. Only those constituents detected in one or more samples are summarized.
5. J - Indicates an estimated value less than the practical quantitation limit (PQL).

TABLE 7

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

UPPER 1/2-MILE REACH OF HOUSATONIC RIVER

CELL G-2 MONITORING RESULTS - AUGUST 2001

Well I.D.	Date	Measuring Point Elevation (Feet AMSL)	Depth to Water (Feet below MP) ⁴	Depth to NAPL (Feet below MP)	Total Depth (Feet below MP)	NAPL Thickness (Feet)	Groundwater Elevation (Feet AMSL) ⁴	NAPL Removal (Liters)
ES2-2A	7/30/01	979.54	7.51	---	17.36	0.00	972.03	0.00
ES2-2A	8/3/01	979.54	7.29	---	17.60	0.00	972.25	0.00
ES2-2A	8/6/01	979.54	7.13	---	17.61	0.00	972.41	0.00
ES2-2A	8/7/01	979.54	7.20	---	N/M	0.00	972.34	0.00
ES2-2A	8/13/01	979.54	7.28	---	17.60	0.00	972.26	0.00
ES2-2A	8/20/01	979.54	7.48	---	17.60	0.00	972.06	0.00
ES2-2A	8/27/01	979.54	7.65	---	17.61	0.00	971.89	0.00
ES2-7	7/30/01	980.03	7.56	---	42.70	0.00	972.47	0.00
ES2-7	8/6/01	980.03	7.12	---	42.69	0.00	972.91	0.00
ES2-7	8/7/01	980.03	7.22	---	N/M	0.00	972.81	0.00
ES2-7	8/13/01	980.03	7.29	---	42.69	0.00	972.74	0.00
ES2-7	8/14/01	980.03	7.38	---	43.54	0.00	972.65	0.00
ES2-7	8/20/01	980.03	7.47	---	43.48	0.00	972.56	0.00
ES2-7	8/27/01	980.03	7.67	---	43.45	0.00	972.36	0.00
HR-G2-MW-1	7/30/01	982.60	11.29	---	18.27	0.00	971.31	0.00
HR-G2-MW-1	8/6/01	982.60	10.47	---	18.73	0.00	972.13	0.00
HR-G2-MW-1	8/13/01	982.60	10.65	---	18.27	0.00	971.95	0.00
HR-G2-MW-1	8/20/01	982.60	10.89	---	18.27	0.00	971.71	0.00
HR-G2-MW-1	8/27/01	982.60	11.27	---	18.27	0.00	971.33	0.00
HR-G2-MW-2	7/30/01	981.39	9.20	---	17.68	0.00	972.19	0.00
HR-G2-MW-2	8/6/01	981.39	8.65	---	17.68	0.00	972.74	0.00
HR-G2-MW-2	8/13/01	981.39	9.01	---	17.68	0.00	972.38	0.00
HR-G2-MW-2	8/20/01	981.39	9.26	---	17.68	0.00	972.13	0.00
HR-G2-MW-2	8/27/01	981.39	9.45	---	17.68	0.00	971.94	0.00
HR-G2-MW-3	7/30/01	987.14	15.34	---	22.02	0.00	971.80	0.00
HR-G2-MW-3	8/6/01	987.14	14.72	---	22.02	0.00	972.42	0.00

TABLE 7

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

UPPER 1/2-MILE REACH OF HOUSATONIC RIVER

CELL G-2 MONITORING RESULTS - AUGUST 2001

Well I.D.	Date	Measuring Point Elevation (Feet AMSL)	Depth to Water (Feet below MP) ⁴	Depth to NAPL (Feet below MP)	Total Depth (Feet below MP)	NAPL Thickness (Feet)	Groundwater Elevation (Feet AMSL) ⁴	NAPL Removal (Liters)
HR-G2-MW-3	8/13/01	987.14	14.87	---	22.02	0.00	972.27	0.00
HR-G2-MW-3	8/20/01	987.14	15.08	---	22.01	0.00	972.06	0.00
HR-G2-MW-3	8/27/01	987.14	15.36	---	22.01	0.00	971.78	0.00
HR-G2-RW-1	7/30/01	976.88	7.22	---	18.72	0.00	971.49	0.00
HR-G2-RW-1	8/6/01	976.88	6.12	---	18.73	0.00	972.31	0.00
HR-G2-RW-1	8/13/01	976.88	6.29	---	18.72	0.00	972.18	0.00
HR-G2-RW-1	8/20/01	976.88	6.58	---	18.72	0.00	971.97	0.00
HR-G2-RW-1	8/27/01	976.88	7.11	7.10	18.72	0.01	971.58	0.00

Notes:

1. NAPL = Non-Aqueous Phase Liquid.
2. MP = Measuring Point
3. Feet AMSL = Feet Above Mean Sea Level
4. Well HR-G2-RW-1 is constructed at an angle of 41.67 degrees from vertical. Depth to water data reflect measurements collected along the angled well casing. Groundwater elevations are corrected to account for the angle of the well casing.
5. Water table elevations for wells containing LNAPL were computed as follows:
Water Table Elevation = Measuring Point Elevation - Depth to Water + (LNAPL Thickness x Specific Density of LNAPL)
Specific Density of LNAPL estimated at 0.93.
6. Well ES2-7 was re-developed on August 14, 2001. Total depth measurements taken after re-development are provided for comparison to pre-development data.

TABLE 8

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

UPPER 1/2-MILE REACH OF HOUSATONIC RIVER

CELL G-3 MONITORING RESULTS - AUGUST 2001

Well I.D.	Date	Measuring Point Elevation (Feet AMSL)	Depth to Water (Feet below MP)	Depth to NAPL (Feet below MP)	Total Depth (Feet below MP)	NAPL Thickness (Feet)	Groundwater Elevation (Feet AMSL)	NAPL Removal (Liters)
HR-G3-MW-1	7/30/01	987.18	15.54	---	17.75	0.00	971.64	0.00
HR-G3-MW-1	8/6/01	987.18	14.83	---	17.75	0.00	972.35	0.00
HR-G3-MW-1	8/13/01	987.18	14.98	---	17.75	0.00	972.20	0.00
HR-G3-MW-1	8/20/01	987.18	14.22	---	17.75	0.00	972.96	0.00
HR-G3-MW-1	8/27/01	987.18	15.55	---	17.75	0.00	971.63	0.00
HR-G3-MW-2	7/30/01	987.88	16.08	---	17.74	0.00	971.80	0.00
HR-G3-MW-2	8/6/01	987.88	15.57	---	17.74	0.00	972.31	0.00
HR-G3-MW-2	8/13/01	987.88	15.72	---	17.74	0.00	972.16	0.00
HR-G3-MW-2	8/20/01	987.88	15.88	---	17.74	0.00	972.00	0.00
HR-G3-MW-2	8/27/01	987.88	16.09	---	17.74	0.00	971.79	0.00
HR-G3-RW-1	7/30/01	977.78	5.84	---	8.64	0.00	971.94	0.00
HR-G3-RW-1	8/6/01	977.78	5.33	---	8.66	0.00	972.45	0.00
HR-G3-RW-1	8/13/01	977.78	5.48	---	8.65	0.00	972.30	0.00
HR-G3-RW-1	8/20/01	977.78	5.71	---	8.64	0.00	972.07	0.00
HR-G3-RW-1	8/27/01	977.78	5.93	---	8.64	0.00	971.85	0.00

Notes:

1. NAPL = Non-Aqueous Phase Liquid.
2. MP = Measuring Point
3. Feet AMSL = Feet Above Mean Sea Level

TABLE 9

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER - UPPER 1/2 MILE REACH
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING AUGUST 2001

Date	Sampler Location	Average Site Concentration (mg/m ³)	BM-1 (mg/m ³)	Average Period (Hours:Min)	Predominant Wind Direction
8/1/01	AM-6 (south side of river)	0.018	0.017	11:00	Variable
8/2/01	AM-6 (south side of river)	0.033	0.042	12:30	SW
8/3/01	AM-6 (south side of river)	0.046	0.05	9:45	SSW, WSW
8/6/01	AM-6 (south side of river)	0.041	0.035	10:00	W
8/7/01	AM-6 (south side of river)	0.031	0.029	11:00	W
8/8/01	AM-6 (south side of river)	0.047	0.034	10:30	WNW
8/9/01	AM-6 (south side of river)	0.027	0.028	9:45	WSW
8/10/01	AM-6 (south side of river)	0.152 ¹	0.109	4:45 ²	WSW
8/13/01	AM-6 (south side of river)	0.024	0.029	6:30 ²	W
8/14/01	AM-6 (south side of river)	0.015	0.019	11:30	NNE
8/15/01	AM-6 (south side of river)	0.009	0.014	9:30	WSW
8/16/01	AM-6 (south side of river)	0.021	0.023	10:15	SW, SSW
08/17/2001 ³	AM-6 (south side of river)	NA	NA	NA	NA
08/20/2001 ³	AM-6 (south side of river)	NA	NA	NA	NA
8/21/01	AM-6 (south side of river)	0.026	0.028	9:30	W
8/22/01	AM-6 (south side of river)	0.011	0.015	9:45	WNW
8/23/01	AM-6 (south side of river)	0.019	0.022	10:00	SW, SSW
8/24/01	AM-6 (south side of river)	0.019	0.035	12:00	N
08/27/2001 ³	AM-6 (south side of river)	NA	NA	NA	NA
8/28/01	AM-6 (south side of river)	0.016	0.018	10:15	SW
8/29/01	AM-6 (south side of river)	0.011	0.012	10:00	NW
8/30/01	AM-6 (south side of river)	0.007	0.011	11:30	SW
8/31/01	AM-6 (south side of river)	NA ⁴	0.060	NA ⁴	SSW, SW
Notification Level		0.120			

NA - Not Available

BM-1: Background monitoring location west of Bldg. 42.

AM-6: Air monitoring location in the GE parking lot located off of Newell Street.

¹ Reading is biased high due to high humidity.

² Sampling period was shortened due to precipitation/threat of precipitation.

³ Sampling was not performed due to precipitation/threat of precipitation.

⁴ Data not available due to instrument operator error.

TABLE 10A

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

AUGUST 2001

UPPER 1/2 MILE REACH REMOVAL ACTION
HOUSATONIC RIVER PCB/TSS/TURBIDITY MONITORING DURING CONSTRUCTION

Location	Date	Water Depth (ft)	Water Temp. (°C)	Estimated Flow ¹⁴ (cfs)	Turbidity (ntu) ¹²			Sample ID	Total PCB Concentration ¹³ (ug/l)	Filtered PCB Concentration (ug/l)	TSS (mg/l)
					High	Low	Daily Composite				
Upstream of Newell St. Bridge	8/1/2001	1.4	20	21	6	3	4	---	---	---	---
Downstream of Lyman St. Bridge	8/1/2001	2.3	20		7	3	5	---	---	---	---
Upstream of Newell St. Bridge	8/2/2001	1.3	20	20	3	2	2	HR-8-2-01-U1	0.0263	ND(0.0250)	2.30
Downstream of Lyman St. Bridge	8/2/2001	2.3	20		4	2	3	HR-8-2-01-D1	0.204	ND(0.0250)	4.49
Upstream of Newell St. Bridge	8/3/2001	1.4	20	18	4	2	2	---	---	---	---
Downstream of Lyman St. Bridge	8/3/2001	2.3	20		4	2	3	---	---	---	---
Upstream of Newell St. Bridge	8/6/2001	1.7	20	27	8	3	6	---	---	---	---
Downstream of Lyman St. Bridge	8/6/2001	2.5	20		35	3	7	---	---	---	---
Upstream of Newell St. Bridge	8/7/2001	1.6	21	21	7	2	3	---	---	---	---
Downstream of Lyman St. Bridge	8/7/2001	2.4	21		15	3	7	---	---	---	---
Upstream of Newell St. Bridge	8/8/2001	1.5	21	22	9	2	4	---	---	---	---
Downstream of Lyman St. Bridge	8/8/2001	2.3	21		6	4	5	---	---	---	---
Upstream of Newell St. Bridge	8/9/2001	1.4	22	22	5	2	4	---	---	---	---
Downstream of Lyman St. Bridge	8/9/2001	2.3	22		4	2	3	---	---	---	---
Upstream of Newell St. Bridge	8/10/2001	1.4	22	22	23	2	6	---	---	---	---
Downstream of Lyman St. Bridge	8/10/2001	2.3	22		4	3	3	---	---	---	---
Upstream of Newell St. Bridge	8/13/2001	1.6	20	29	7	3	6	---	---	---	---
Downstream of Lyman St. Bridge	8/13/2001	2.4	20		6	4	5	---	---	---	---
Upstream of Newell St. Bridge	8/14/2001	1.5	22	25	7	3	6	---	---	---	---
Downstream of Lyman St. Bridge	8/14/2001	2.4	22		8	4	5	---	---	---	---
Upstream of Newell St. Bridge	8/15/2001	1.4	18	22	17	3	5	---	---	---	---
Downstream of Lyman St. Bridge	8/15/2001	2.3	18		5	4	5	---	---	---	---
Upstream of Newell St. Bridge	8/16/2001	1.4	18	21	5	3	4	HR-8-16-01-U1	0.271	ND(0.0250)	2.89
Downstream of Lyman St. Bridge	8/16/2001	2.3	18		5	3	4	HR-8-16-01-D1	0.194	ND(0.0250)	2.99
Upstream of Newell St. Bridge	8/17/2001	1.3	18	20	10	3	5	---	---	---	---
Downstream of Lyman St. Bridge	8/17/2001	2.2	18		8	5	6	---	---	---	---
Upstream of Newell St. Bridge	8/20/2001	1.3	18	18	25	3	6	---	---	---	---
Downstream of Lyman St. Bridge	8/20/2001	2.2	18		7	4	5	---	---	---	---
Upstream of Newell St. Bridge	8/21/2001	1.3	18	18	11	3	5	---	---	---	---
Downstream of Lyman St. Bridge	8/21/2001	2.2	18		5	3	5	---	---	---	---
Upstream of Newell St. Bridge	8/22/2001	1.3	17	15	5	3	3	---	---	---	---
Downstream of Lyman St. Bridge	8/22/2001	2.2	17		6	4	5	---	---	---	---

TABLE 10A

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

AUGUST 2001

UPPER 1/2 MILE REACH REMOVAL ACTION
HOUSATONIC RIVER PCB/TSS/TURBIDITY MONITORING DURING CONSTRUCTION

Location	Date	Water Depth (ft)	Water Temp. (°C)	Estimated Flow ¹⁴ (cfs)	Turbidity (ntu) ¹²			Sample ID	Total PCB Concentration ¹³ (ug/l)	Filtered PCB Concentration (ug/l)	TSS (mg/l)
					High	Low	Daily Composite				
Upstream of Newell St. Bridge	8/23/2001	1.2	15	14	5	3	4	---	---	---	---
Downstream of Lyman St. Bridge	8/23/2001	2.2	15		5	4	5	---	---	---	---
Upstream of Newell St. Bridge	8/24/2001	1.2	15	16	6	3	4	---	---	---	---
Downstream of Lyman St. Bridge	8/24/2001	2.2	15		10	4	6	---	---	---	---
Upstream of Newell St. Bridge	8/27/2001	1.1	16	15	17	3	6	---	---	---	---
Downstream of Lyman St. Bridge	8/27/2001	2.1	16		15	5	7	---	---	---	---
Upstream of Newell St. Bridge	8/28/2001	1.1	15	17	6	3	4	---	---	---	---
Downstream of Lyman St. Bridge	8/28/2001	2.1	15		7	4	6	---	---	---	---
Upstream of Newell St. Bridge	8/29/2001	1.1	18	17	8	5	8	---	---	---	---
Downstream of Lyman St. Bridge	8/29/2001	2.2	18		5	4	6	---	---	---	---
Upstream of Newell St. Bridge	8/30/2001	1.1	15	17	9	6	7	HR-8-30-01-U1	NR	NR	NR
Downstream of Lyman St. Bridge	8/30/2001	2.1	15		8	5	7	HR-8-30-01-D1	NR	NR	NR
Upstream of Newell St. Bridge	8/31/2001	1.1	16	15	11	9	11	---	---	---	---
Downstream of Lyman St. Bridge	8/31/2001	2.1	16		10	8	9	---	---	---	---

Notes:

1. PCB and TSS samples were collected by Blasland, Bouck & Lee, Inc. and analyzed by Northeast Analytical, Inc.
2. Water depth taken at sampling point (i.e. middle of river).
3. ft - Feet
4. °C - degrees Celsius
5. cfs - cubic feet per second
6. ntu - nephelometric turbidity units
7. --- - No data obtained
8. ND(0.25) - Compound was analyzed for but not detected at the quantitation limit indicated in parentheses.
9. NR - Not yet reported
10. ug/l - micrograms per liter
11. mg/l - milligrams per liter
12. Turbidity Action Level = Turbidity downstream ≤ Turbidity upstream + 50 ntu
13. PCB Action Level = PCBs downstream ≤ PCBs upstream + 5 ug/l
14. Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday. (Flow data is provisional and may be subject to revision).

TABLE 10B

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER - UPPER 1/2 MILE REACH
HOUSATONIC RIVER PCB/TSS MONITORING DURING CONSTRUCTION
DATA RECEIVED DURING AUGUST 2001

(Results are presented in parts per million, ppm)

Sample ID	Location	Date Collected	Aroclor 1016, 1221, 1232, 1242, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs	TSS
HR-7-19-01-U1	Upstream of Newell St. Bridge	7/19/01	ND(0.0000250)	0.0000809 AF	0.0000313	0.000112	3.42
HR-7-19-01-D1	Downstream of Lyman St. Bridge	7/19/01	ND(0.0000250)	0.0000728 AF	0.0000548	0.000128	3.28
HR-7-19-01-U1 (FILTERED)	Upstream of Newell St. Bridge	7/19/01	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	---
HR-7-19-01-D1 (FILTERED)	Downstream of Lyman St. Bridge	7/19/01	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	---
HR-8-2-01-U1	Upstream of Newell St. Bridge	8/2/01	ND(0.0000250)	0.0000263 AF	ND(0.000025)	0.0000263	4.49
HR-8-2-01-D1	Downstream of Lyman St. Bridge	8/2/01	ND(0.0000250)	0.000113 AF	0.0000908	0.000204	2.30
HR-8-2-01-U1 (FILTERED)	Upstream of Newell St. Bridge	8/2/01	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	---
HR-8-2-01-D1 (FILTERED)	Downstream of Lyman St. Bridge	8/2/01	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	---
HR-8-16-01-U1	Upstream of Newell St. Bridge	8/16/01	ND(0.0000250)	0.000166 AF	0.000105	0.000271	2.99
HR-8-16-01-D1	Downstream of Lyman St. Bridge	8/16/01	ND(0.0000250)	0.000104 AF	0.0000897	0.000194	2.89
HR-8-16-01-U1 (FILTERED)	Upstream of Newell St. Bridge	8/16/01	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	---
HR-8-16-01-D1 (FILTERED)	Downstream of Lyman St. Bridge	8/16/01	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	---

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical Services, Inc. for analysis of filtered and unfiltered PCBs and Total Suspended Solids (TSS).
2. ND(0.10) - Analyte was not detected. The value in parentheses is the associated detection limit.
3. AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
4. --- - Not analyzed.

TABLE 11

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER UPPER 1/2 MILE REACH
BACKFILL SOIL SAMPLING
PCB DATA RECEIVED DURING AUGUST 2001

(Results are presented in dry weight parts per million, ppm)

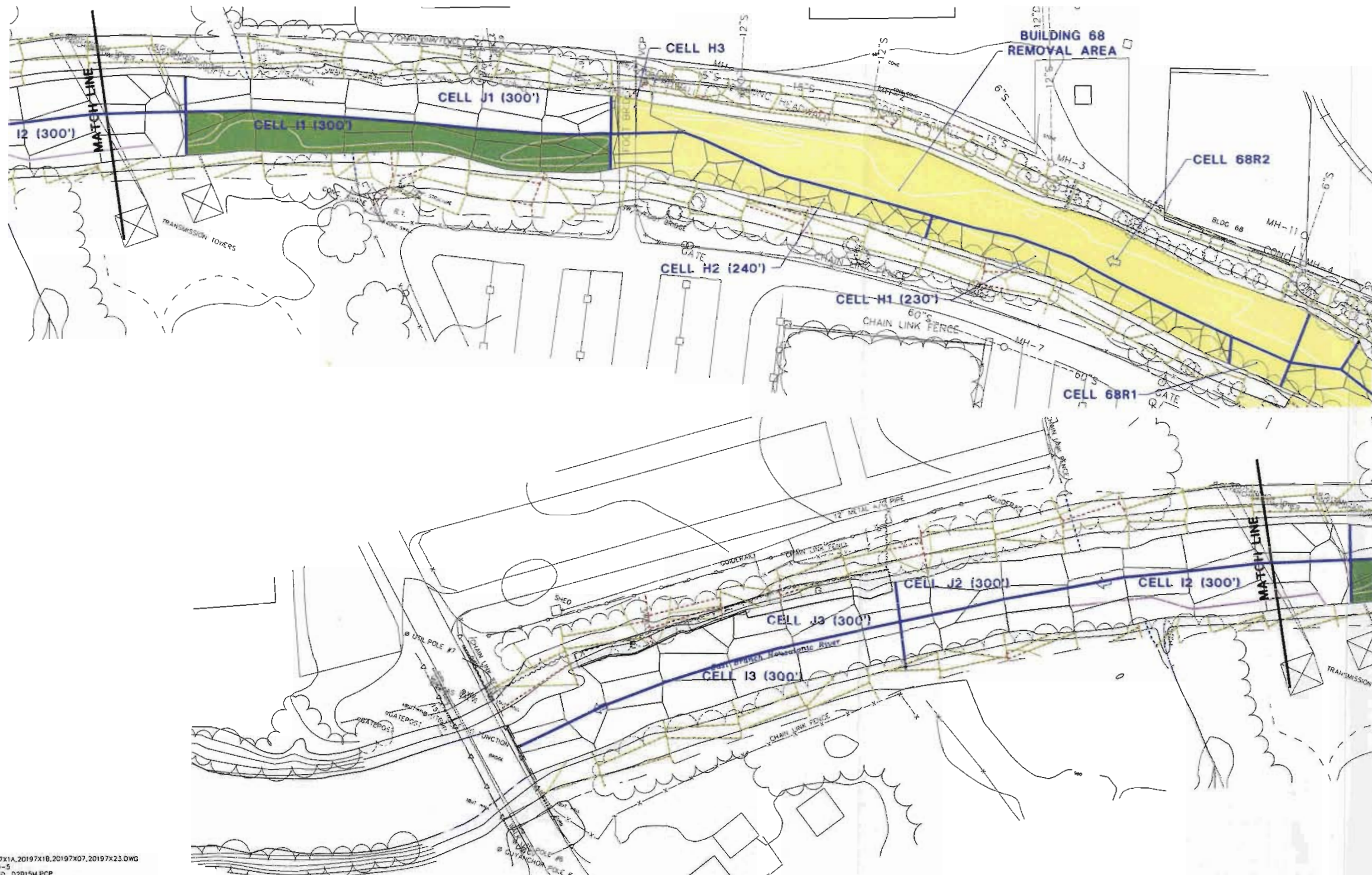
Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, 1248, 1254, & 1260	Total PCBs
DH-BF-9 ³	7/23/01	ND(0.0513)	ND(0.0513)
BSG-BF-10 ⁴	7/23/01	ND(0.0496)	ND(0.0496)

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to CT&E Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. General backfill sample from Dalton Hardwood gravel pit.
4. Isolation layer pile sample from Bushika Sand & Gravel.

Exhibit A - Upper 1/2 Mile Reach Removal Action

Sediment and Bank Soil Removal Areas (Cells H-J)



LEGEND:

- UPPER 1/2-MILE REMOVAL AREAS COMPLETED
- UPPER 1/2-MILE REMOVAL AREAS IN PROGRESS
- AREA SUBJECT TO BANK STABILIZATION ACTIVITIES
- EXISTING CONTAINMENT BARRIER LOCATION
- 0'-1' BANK SOIL POLYGON
- 1'-3' BANK SOIL POLYGON
- TOP OF BANK
- BANK SOIL AREA BOUNDARY
- CAP AND ARMOR TIE-IN BUFFER
- REMOVAL CELL
- A B C** ADDITIONAL EXCAVATION TO OCCUR IN CONJUNCTION WITH SOURCE CONTROL ACTIVITIES

- NOTES:**
1. MAPPING IS BEST AVAILABLE INFORMATION AS OF 12/10/98 BASED ON MAPPING PROVIDED BY LOCKWOOD MAPPING, INC. PREPARED FROM 1990 AERIAL PHOTOGRAPHY; DATA PROVIDED BY GENERAL ELECTRIC; AND BLASLAND AND BOUCK, P.C. CONSTRUCTION PLANS, RIVERBANK AND RIVER BED TOPOGRAPHIC INFORMATION PROVIDED BBL FROM OCTOBER 12-23, 1998 FIELD SURVEY.
 2. COORDINATE GRID BASED ON 1927 STATE PLAN COORDINATES.
 3. ELEVATION DATUM REFERENCED TO NGVD 1929.
 4. CELL LOCATIONS AND DISTANCES ARE APPROXIMATE.



X: 20197X1A, 20197X1B, 20197X07, 20197X23.DWG
 LMAN: 9-5
 P: 15M-D, 02B15M.PCP
 9/5/01 SYR-54-GMS OJP NES
 20197030/CELL02/20197G13.DWG

1/2-Mile Removal Action Backfill Tracking Log

Material	Testing Required	Frequency (per cy)	Submittal from MTI		Submittal to EPA		Sample Date	Number of Samples	Quantity Approved for Placement	Quantity Placed (cy)	Comments			
			No	Date	No	Date								
Soil Backfill/Granular Fill (Brown's Pit)	Grain Size	2000	13/13A	11/17 & 11/18/99	8	12/01/99	11/16/99	1	2000	1849				
			NA	NA	8A	12/15/99	12/08/99	2						
	PCBs	500	NA	NA	14	05/31/00	05/18/00	2						
			NA	NA	22	03/14/01	02/28/01	2						
			NA	NA	24	08/23/01	07/23/01	1						
	VOCs	2000	NA	NA	8A	12/15/99	7/21-7/28/99	6				Samples Collected as part of Allendale School Project		
	SVOCs	2000	NA	NA	8A	12/15/99	7/21-7/28/99	6						
	Metals	2000	NA	NA	8A	12/15/99	7/21-7/28/99	6						
	TPH	2000	NA	NA	8A	12/15/99	12/01/99	3						
	Isolation Layer (Pittsfield Sand & Gravel)	Grain Size	500	12	11/17/99	Letter	11/19/99	11/01/99			1	1000	770	
			12C	03/30/00	Letter	04/20/00	03/24/00	1						
TOC		500	12	11/17/99	Letter	11/19/99	11/02/99	1						
			12C	03/30/00	Letter	04/20/00	03/30/00	1						
PCBs		500	NA	NA	Letter	11/19/99	09/20/99	4		Samples collected as part of off-site residential fill program				
			NA	NA	7	12/01/99	11/19/99	2						
			NA	NA	Letter	04/20/00	03/29/00	2						
VOCs		2000	NA	NA	Letter	11/19/99	09/20/99	4		Samples collected as part of off-site residential fill program				
SVOCs		2000	NA	NA	Letter	11/19/99	09/20/99	4						
Metals		2000	NA	NA	Letter	11/19/99	09/20/99	4						
TPH		2000	NA	NA	7	12/01/99	11/19/99	2						
Isolation Layer (Bushika Sand & Gravel)		Grain Size	500	12A	01/03/00	Letter	01/06/00	12/28/99	1	4000	3788			
				12B	01/24/00	11	02/14/00	01/19/00	1					
	12D			05/08/00	13	05/19/00	05/02/00	1						
	12E			09/11/00	14	09/27/00	09/07/00	1						
	12F			09/29/00	17	10/04/00	09/26/00	1						
	12G			11/30/00	20	12/06/00	10/20/00	1						
	12H			03/08/01	21	03/14/01	03/05/01	1						
	12I			06/19/01	Letter	06/27/01	06/12/01	1						
	12J			07/05/01	Letter	07/09/01	06/20/01	1						
	12A			01/03/00	Letter	01/06/00	12/28/99	1						
	TOC			500	12B	01/24/00	11	02/14/00	01/19/00			1		
		12D	05/08/00		13	05/19/00	05/02/00	1						
		12E	09/11/00		14	09/27/00	09/06/00	1						
		12F	09/29/00		17	10/04/00	09/26/00	1						
		12G	11/30/00		20	12/06/00	10/20/00	1						
		12H	03/08/01		21	03/14/01	03/05/01	1						
		12I	06/19/01		Letter	06/27/01	06/12/01	1						
		12J	07/05/01		Letter	07/09/01	06/20/01	1						
		NA	NA		10	01/14/00	01/05/00	2						
		NA	NA		11	02/14/00	02/02/00	2						
		PCBs	500		NA	NA	13A	06/28/00	06/02/00			2		
	NA			NA	16A	10/04/00	09/26/00	3						
	NA			NA	18A	10/05/00	09/28/00	2						
	NA			NA	20A	01/09/01	12/05/00	2						
	NA			NA	21A	04/04/01	03/19/01	2						
	NA			NA	24	08/23/01	07/23/01	1						
	NA			NA	10	01/14/00	01/05/00	2						
	NA			NA	18A	10/05/00	09/28/00	2						
	VOCs			2000	NA	NA	10	01/14/00	01/05/00			2		
					NA	NA	18A	10/05/00	09/28/00			2		
					NA	NA	10	01/14/00	01/05/00			2		
	SVOCs			2000	NA	NA	18A	10/05/00	09/28/00			2		
					NA	NA	10	01/14/00	01/05/00			2		
	Metals			2000	NA	NA	18A	10/05/00	09/28/00			2		
					NA	NA	10	01/14/00	01/05/00			2		
	TPH	2000	NA	NA	11	02/14/00	02/02/00	2						
			NA	NA	18A	10/05/00	09/28/00	2						
	Rip-Rap (9")	Grain Size	2000	15A	11/30/99	Letter	12/01/99	11/23/99	1			4000	2669	
				15B	10/04/00	19	10/11/00	09/28/00	1					
	Rip-Rap (12")	Grain Size	2000	18	01/04/00	Letter	01/06/00	12/29/99	1			2000	953	
	Topsoil (Woodmont)	TOC	500	11/14	11/16 & 11/17/99	9	12/15/99	11/08/99	2			500	509	
		pH	500	11/14	11/16 & 11/17/99	9	12/15/99	11/08/99	2					
		PCBs	500	NA	NA	9	12/15/99	12/08/99	4					
		VOCs	2000	NA	NA	9	12/15/99	08/24/99	4					
		SVOCs	2000	NA	NA	9	12/15/99	08/24/99	4					
		Metals	2000	NA	NA	9	12/15/99	08/24/99	4					
		TPH	2000	NA	NA	9	12/15/99	12/08/99	2					
Topsoil (Lahey's)	TOC	500	11A	05/09/01	23	05/15/01	04/30/01	1	500	33				
	pH	500	11A	05/09/01	23	05/15/01	04/30/01	1						
	PCBs	500	NA	NA	23	05/15/01	04/11/01	3						
	VOCs	2000	NA	NA	23	05/15/01	04/11/01	3						
	SVOCs	2000	NA	NA	23	05/15/01	04/11/01	3						
	Metals	2000	NA	NA	23	05/15/01	04/11/01	3						
	TPH	2000	NA	NA	23	05/15/01	04/11/01	3						

Notes
 Granular Fill and Soil Backfill have been combined as the same material
 Quantities placed include Cells A, B, C, D, DNAPL, E, F1, F2, F3, G1, G2, G3, H1 and H2
 NA = Not Applicable
 TBD = To be determined

**½-MILE RIVER REMOVAL ACTION
MONTHLY PROGRESS REPORT
AUGUST 2001
FIGURE 1: PHOTO DOCUMENTATION**

PHOTO NO. 1

LOCATION: Building 68 / Cell 68R2

DESCRIPTION: Supplemental sediment
removal activities.

DATE: August 7, 2001



PHOTO NO. 2

LOCATION: Building 68 / Cell 68R2

DESCRIPTION: Dewatering pad.

DATE: August 7, 2001



PHOTO NO. 3

LOCATION: Cell H3

DESCRIPTION: DNAPL removal activities.

DATE: August 13, 2001

