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



SDMS DocID 25071

October 9, 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

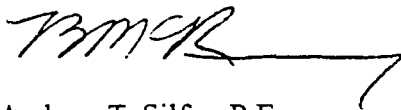
**Re: Upper 1/2-Mile Reach of Housatonic River Removal Action (GECD800)
Monthly Report – September 2001**

Dear Mr. Tagliaferro and Ms. Cutler:

In accordance with the approved Removal Action Work Plan – Upper 1/2 Mile Reach of Housatonic River, enclosed please find the September 2001 Monthly Report.

Please call me with any questions.

Yours truly,

 / for ATS

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

ATS/jmh
Enclosures

- cc: J. R. Bieke, Esquire, Shea & Gardner
- M. T. Carroll, GE
- R. Goff, ACE
- R. Howell, EPA
- H. Inglis, EPA
- D. Jamros, Weston
- J. H. Maxymillian Technologies
- T. B. McKinsey, BBL
- R. McLaren, Esquire, GE
- S. Messur, BBL
- K. C. Mitkevicius, USACE
- T. O'Brien, MA EOE
- B. Olson, EPA
- S. Steenstrup, DEP
- A. Weinberg, DEP

1.0 Overview:

During September 2001, General Electric Company (GE) and its contractor Maxymillian Technologies Incorporated (MTI) continued work on the Upper ½ Mile Reach Removal Action. The primary work included initiating and completing removal activities in Cell I1. In addition, the Building 68 Area supplemental removal activities were completed. These additional Building 68 Area activities are reported herein for completeness, but are not part of the Upper ½ Mile Reach Removal Action.

Weekly status meetings were held on September 4, 10, 17, and 24.

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 September 2001, GE Buildings 33X and 33-north were used as temporary storage facilities for Toxic Substances Control Act (TSCA) material and non-TSCA material, respectively, prior to final disposition at the On-Plant Consolidation Areas (OPCAs).

During the first week of September, work efforts continued in the Building 68 Area/Cell 68R2 with removal of the cutoff sheetpile walls. In addition, sheetpile installation began for Cell I1 (downstream of Cell 68R2, south side of river) to form the centerline sheetpile wall.

During the second week of September, the remaining cutoff sheetpile walls for Cell 68R2 were removed. Cell I1 cutoff sheetpile wall installation was also completed this week. Cell I1 was formed slightly shorter than the approximate 300-foot length originally planned due to the reach limitations of the crane located on the north bank. Cells I2 and J2 (located downstream adjacent to Cells I1 and J1) will be longer to account for this difference. Following installation of the Cell I1 cutoff sheetpile walls, the primary sump pump system was installed and the cell was dewatered by pumping the cell water over the sheetpile wall and into the river. When the remaining water depth was approximately 6 inches deep, the water was transferred to the on-site water handling system for treatment. After Cell I1 was dewatered, a baseline survey was performed to record existing elevations.

Also during the second week of September, removal activities were initiated for the phenol pipeline that was identified along the Cell I1 bank area. Liquid contained in the pipes was removed and placed in a DOT-drum. The drum was transferred to Building 78 and sampled for disposal characterization. Following removal of the liquid, the plastic pipes were removed to the ground surface of the Cell I1 bank and the ends of the remaining pipes were capped. Subsequently, during bank soil excavation activities, the remaining former phenol pipelines were removed. The two phenol pipelines were cut

into smaller pieces (for handling purposes), placed into DOT-drums, and transferred to Bldg. 78 for future off site disposal.

During the third week of September, Cell I1 bank soil and river sediment removal activities were initiated. TSCA material was removed first by excavating the material from the cell and loading trucks on the north (GE) side of the river. TSCA-sediment and soil removed from the cell were transported by truck to Building 33X for temporary stockpiling prior to transfer to the Building 71 OPCA. Non-TSCA materials were excavated in a similar manner and transferred to Building 33-north for temporary stockpiling prior to transfer to the Hill 78 OPCA.

During sediment removal activities on September 18, 2001, a sheen was observed on the surface water within the contained cell, in the downstream part of Cell I1. This observation was verbally reported to EPA, MDEP, and the National Response Center (NRC) on the same date (the NRC issued Tracking Number 580102). Response actions included placing oil booms at the pump intake for the water handling system. Sediment removal activities continued while observing for the potential presence of additional sheens.

During sediment excavation activities in Cell I1, a sewer siphon pipeline was encountered at the bottom of the excavation near midcell (the sewer line crosses the river perpendicular to the flow). Sediment was removed up to the edge of the concrete encasement surrounding the pipeline.

Removal activities in Cell I1 continued during the last week of September. While excavating soil from the bank area, a block of solid white material was encountered (apparently formerly contained in a drum). The drum was entirely disintegrated with no remaining material visible. The solid white material was moved to the top of the bank and placed on and covered with plastic and will be containerized in a DOT-drum and transferred to Bldg. 12 for characterization sampling for disposal purposes.

In addition, during sediment removal activities, a concrete pier (~7'x6'x2') located near mid-cell (approximately 15 feet upstream of the sewer siphon line) was encountered and removed. The pier was demolished into small pieces with a jackhammer, and the resulting debris was removed from the cell and transferred to Bldg. 33X for stockpiling. Following removal of the concrete pier (cap), four wooden piles remained and were cut at the surface of the excavation bottom.

Air monitoring for particulate matter was conducted on a daily basis. The August PCB air monitoring event was conducted on September 19 and the September PCB air monitoring event was conducted on September 26.

Water column (PCB and TSS) monitoring was also continued during removal activities in the month of September.

Finally, during September, GE proposed and EPA approved a revised date of March 28, 2001, for substantial completion of the Upper ½ Mile Reach Removal Action.

3.0 Sampling/test results received:

Table 1 presents the analytical results for supplemental TOC samples for sand and gravel.

Tables 2A and 2B 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 3 presents ambient air monitoring results for PCBs for monitoring events conducted on September 19 and September 26.

Table 4 presents the results of the September air monitoring for particulate matter.

4.0 Diagrams associated with the tasks performed:

A figure labeled as Exhibit A shows the location and the progress of work for Cells 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 September, meeting summaries from the weekly project status meetings were submitted. Also, for work completed in August 2001, the monthly reports required by the Consent Decree and the Upper ½-Mile Reach Removal Action Work Plan were both submitted.

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

- Letter regarding *Revised Estimated Project Planning Timetable and Completion Date*, dated September 11, 2001;

- Results of summer 2001 vegetation inspection.
- NEA Laboratory SOP for TOC analysis.

6.0 Photo documentation of activities performed:

- See attached Figure 1.

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

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

- Initiate relocation of the Lyman Street water line;
- Complete bank and river restoration activities in Cell I1;
- Install vortex rock weir in Cell I1;
- Initiate bank and sediment removal and restoration activities in Cell J1.
- Maintain temporary stockpiles of material in Buildings 33-north and 33X (non-TSCA and TSCA, respectively).
- Continue to conduct air monitoring and water column monitoring associated with response activities for the Upper ½-Mile Reach.

8.0 Attachments to this report:

- Table 1 – Supplemental TOC analytical sample results for sand and gravel.
- Table 2A – Daily water column monitoring results.
- Table 2B – Water column samples collected for total suspended solids (TSS) and PCB analysis.
- Table 3 – Ambient air monitoring results for PCBs for monitoring events conducted on September 19 and September 26.
- Table 4 – Results of the September air monitoring for particulate matter.
- Exhibit A – Figure showing the progress of work within the Upper ½-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
BUSHIKA SAND AND GRAVEL SUPPLEMENTAL TOC SAMPLING
DATA RECEIVED DURING SEPTEMBER 2001

(Results are presented in parts per million, ppm)

Parameter	Sample ID: Date Collected:	BUSHIKA-TOC-1 09/20/01	Run
Total Organic Carbon		7630	1
Total Organic Carbon		10400	2
Total Organic Carbon		11600	3
Total Organic Carbon		9890	Average

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Northeast Analytical Services, Inc. for analysis of total organic carbon.

TABLE 2A

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SEPTEMBER 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	9/4/2001	1.1	15	19	29	5	19	---	---	---	---
Downstream of Lyman St. Bridge	9/4/2001	2.1	15	19	20	5	12	---	---	---	---
Upstream of Newell St. Bridge	9/5/2001	1.2	14	17	6	3	4	---	---	---	---
Downstream of Lyman St. Bridge	9/5/2001	2.3	14	17	6	3	5	---	---	---	---
Upstream of Newell St. Bridge	9/6/2001	1.2	13	15	5	4	5	---	---	---	---
Downstream of Lyman St. Bridge	9/6/2001	2.3	13	15	6	4	5	---	---	---	---
Upstream of Newell St. Bridge	9/7/2001	1.1	14	14	17	4	6	---	---	---	---
Downstream of Lyman St. Bridge	9/7/2001	2.2	14	14	7	4	8	---	---	---	---
Upstream of Newell St. Bridge	9/10/2001	1.1	16	15	29	8	18	---	---	---	---
Downstream of Lyman St. Bridge	9/10/2001	2.1	16	15	52	9	16	---	---	---	---
Upstream of Newell St. Bridge	9/11/2001	1.5	15	29	10	7	14	---	---	---	---
Downstream of Lyman St. Bridge	9/11/2001	2.6	15	29	16	7	13	---	---	---	---
Upstream of Newell St. Bridge	9/12/2001	1.3	14	25	7	5	8	---	---	---	---
Downstream of Lyman St. Bridge	9/12/2001	2.4	14	25	6	4	6	---	---	---	---
Upstream of Newell St. Bridge	9/13/2001	1.3	14	24	7	5	5	HR-9-13-01-U1	0.110	ND(0.0250)	5.20
Downstream of Lyman St. Bridge	9/13/2001	2.3	14	24	9	6	6	HR-9-13-01-D1	0.333	ND(0.0250)	5.00
Upstream of Newell St. Bridge	9/14/2001	1.5	7	29	8	4	7	---	---	---	---
Downstream of Lyman St. Bridge	9/14/2001	2.6	7	29	8	5	7	---	---	---	---
Upstream of Newell St. Bridge	9/17/2001	1.2	10	20	6	3	5	---	---	---	---
Downstream of Lyman St. Bridge	9/17/2001	2.3	10	20	5	3	4	---	---	---	---
Upstream of Newell St. Bridge	9/18/2001	1.2	9	---	5	3	7	---	---	---	---
Downstream of Lyman St. Bridge	9/18/2001	2.2	9	---	5	3	6	---	---	---	---
Upstream of Newell St. Bridge	9/19/2001	1.2	10	---	5	3	5	---	---	---	---
Downstream of Lyman St. Bridge	9/19/2001	2.2	10	---	6	3	5	---	---	---	---
Upstream of Newell St. Bridge	9/20/2001	1.2	15	16	6	3	7	---	---	---	---
Downstream of Lyman St. Bridge	9/20/2001	2.2	15	16	6	3	6	---	---	---	---
Upstream of Newell St. Bridge	9/21/2001	2.6	8	203	44	14	40	---	---	---	---
Downstream of Lyman St. Bridge	9/21/2001	3.6	8	203	61	28	63	---	---	---	---
Upstream of Newell St. Bridge	9/24/2001	1.4	7	32	9	3	7	---	---	---	---
Downstream of Lyman St. Bridge	9/24/2001	2.5	7	32	33	4	8	---	---	---	---
Upstream of Newell St. Bridge	9/25/2001	2.4	5	279	62	10	55	---	---	---	---
Downstream of Lyman St. Bridge	9/25/2001	3.5	5	279	99	5	76	---	---	---	---

TABLE 2A

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SEPTEMBER 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	9/26/2001	3.6	8	237	123	12	90	---	---	---	---
Downstream of Lyman St. Bridge	9/26/2001	4.6	8		181	19	82	---	---	---	---
Upstream of Newell St. Bridge	9/27/2001	2.1	7	87	10	5	7	HR-9-27-01-U1	NR	NR	NR
Downstream of Lyman St. Bridge	9/27/2001	3.2	7		26	4	10	HR-9-27-01-D1	NR	NR	NR
Upstream of Newell St. Bridge	9/28/2001	1.6	9	52	6	3	5	---	---	---	---
Downstream of Lyman St. Bridge	9/28/2001	2.7	9		7	3	5	---	---	---	---

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 2B

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

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

(Results are presented in parts per million, ppm)

Sample ID	Location	Date Collected	Aroclor 1016, 1221,1232, &1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs	TSS
HR-8-30-01-U1	Upstream of Newell St. Bridge	8/30/01	ND(0.0000250)	ND(0.0000250)	0.0000361 AF	ND(0.0000250)	0.0000361	3.60
HR-8-30-01-D1	Downstream of Lyman St. Bridge	8/30/01	ND(0.0000250)	ND(0.0000250)	0.0000757 AF	0.0000608	0.000137	5.21
HR-8-30-01-U1 (FILTERED)	Upstream of Newell St. Bridge	8/30/01	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	--
HR-8-30-01-D1 (FILTERED)	Downstream of Lyman St. Bridge	8/30/01	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	--
HR-9-13-01-U1	Upstream of Newell St. Bridge	9/13/01	ND(0.0000250)	ND(0.0000250)	0.0000821 AF	0.0000275	0.000110	5.20
HR-9-13-01-D1	Downstream of Lyman St. Bridge	9/13/01	ND(0.0000250)	0.0000958 PE	0.000127 AF	0.000110	0.000333	5.00
HR-9-13-01-U1 (FILTERED)	Upstream of Newell St. Bridge	9/13/01	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	--
HR-9-13-01-D1 (FILTERED)	Downstream of Lyman St. Bridge	9/13/01	ND(0.0000250)	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. PE - Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.
5. --- - Not analyzed.

TABLE 3

**GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS**

**HOUSATONIC RIVER - UPPER 1/2 MILE REACH
AMBIENT AIR PCB DATA RECEIVED DURING SEPTEMBER 2001**

Date	BM-1 ug/m³	AM-5 ug/m³	AM-5 co-located ug/m³	AM-6 ug/m³	AM-7 ug/m³	AM-8 ug/m³
09/19 - 09/20/01	0.0153	0.0142	0.0161	0.0071	0.0077	0.0123
09/26 - 09/27/01	0.0043	0.0054	0.0054	0.0043	0.0021	0.0019
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05

Notes:

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

AM-5: Air monitoring location north bank, east of Bldg. 63.

AM-6: Air monitoring location south bank, north edge of GE Newell St. parking area.

AM-7: Air monitoring location north bank, south end of GE Lyman St. Parking Lot.

AM-8: Air monitoring location south bank, corner of Hathaway and Sackett Streets.

TABLE 4

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

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

Date	Sampler Location	Average Site Concentration (mg/m ³)	BM-1 (mg/m ³)	Average Period (Hours:Min)	Predominant Wind Direction
09/03/01 ¹	AM-6 (south side of river)	NA	NA	NA	NA
09/04/01 ²	AM-6 (south side of river)	NA	NA	NA	NA
09/05/01	AM-6 (south side of river)	0.004	0.008	11:45	N, NNE
09/06/01	AM-6 (south side of river)	0.006	0.009	11:30	W, WNW
09/07/01	AM-6 (south side of river)	0.007	0.014	11:15	SW
09/10/01	AM-6 (south side of river)	0.012	0.017	8:00	SSW, SW
09/11/01	AM-6 (south side of river)	0.011	0.014	10:00	NNW, WNW
09/12/01	AM-6 (south side of river)	0.008	0.012	11:15	W, WNW
09/13/01	AM-6 (south side of river)	0.023	0.015	11:00	NNW, NW
09/14/01 ²	AM-6 (south side of river)	NA	NA	NA	NA
09/17/01	AM-6 (south side of river)	0.067	0.012	9:15	WNW
09/18/01	AM-6 (south side of river)	0.008	0.014	11:30	NW
09/19/01	AM-6 (south side of river)	0.011	0.018	10:00	SE
09/20/01 ²	AM-6 (south side of river)	NA	NA	NA	NA
09/21/01 ²	AM-6 (south side of river)	NA	NA	NA	NA
09/24/01	AM-6 (south side of river)	0.038	0.045	9:30	SSE
09/25/01 ²	AM-6 (south side of river)	NA	NA	NA	NA
09/26/01	AM-6 (south side of river)	0.010	0.009	10:00	W
09/27/01	AM-6 (south side of river)	0.022	0.012	11:00	W, WSW
09/28/01 ²	AM-6 (south side of river)	NA	NA	NA	NA
Notification Level		0.120			

NA - Not Available

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

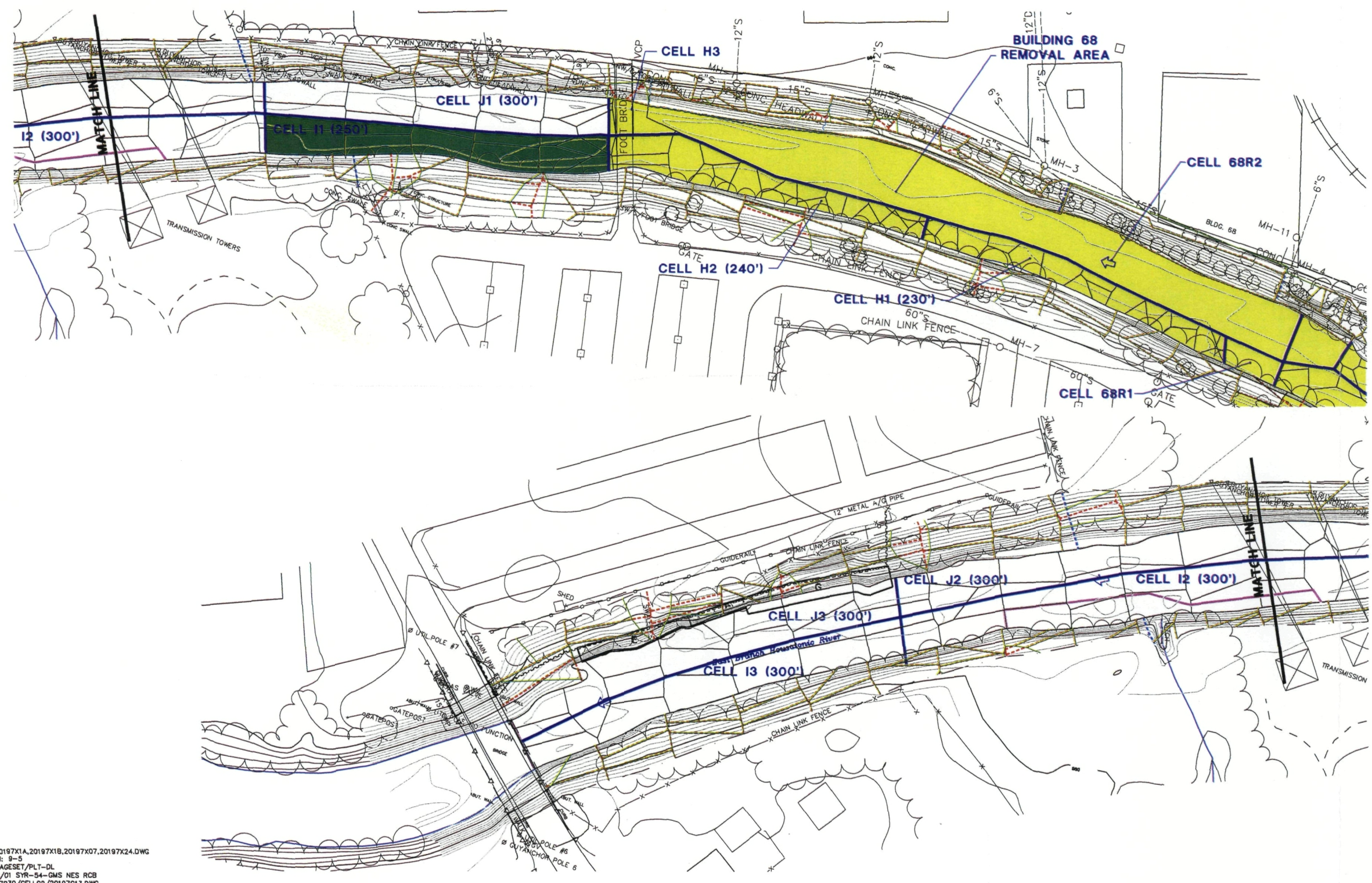
AM-6: Air monitoring location in the GE parking lot located off of Newell Street.

¹ Sampling was not performed due to lack of site activity on the Labor Day holiday.

² Sampling was not performed due to precipitation/threat of precipitation.

Exhibit A - Upper 1/2 Mile Reach Removal Action

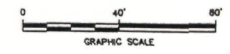
Sediment and Bank Soil Removal Areas (Cells H-J)



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,20197X07,20197X24.DWG
 LMAN: 9-5
 P: PAGESET/PLT-DL
 10/9/01 SYR-54-GMS NES RCB
 20197030/CELLG2/20197G13.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 Pt)	Grain Size	2000	13/13A	11/17 & 11/18/99	8	12/01/99	11/18/99	1	2000	1849	Samples Collected as part of Allendale School Project
	PCBs	500	NA	NA	8A	12/15/99	12/08/99	2			
			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			
	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	Samples collected as part of off-site residential fill program
	TOC	500	12C	03/30/00	Letter	04/20/00	03/24/00	1			
			12	11/17/99	Letter	11/19/99	11/02/99	1			
	PCBs	500	12C	03/30/00	Letter	04/20/00	03/30/00	1			
			NA	NA	Letter	11/19/99	09/20/99	4			
	NA	NA	7	12/01/99	11/19/99	2					
	Letter	04/20/00	03/23/00	2							
	11/19/99	09/20/99	4								
	VOCs	2000	NA	NA	Letter	11/19/99	09/20/99	4			
	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	MTI Subs. 12I and 12J included with Submittal No. 24 to EPA
			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	09/28/00	17	10/04/00	09/28/00	1			
			12G	11/30/00	20	12/08/00	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			
			12B	01/24/00	11	02/14/00	01/19/00	1			
			12D	05/08/00	13	05/19/00	05/02/00	1			
	TOC	500	12E	09/11/00	14	09/27/00	09/09/00	1			
			12F	09/28/00	17	10/04/00	09/28/00	1			
			12G	11/30/00	20	12/08/00	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	Letter	09/24/01	09/20/01	3			
			NA	NA	10	01/14/00	01/05/00	2			
			NA	NA	11	02/14/00	02/02/00	2			
			NA	NA	13A	06/28/00	06/02/00	2			
			NA	NA	16A	10/04/00	09/28/00	3			
			NA	NA	18A	10/05/00	09/28/00	2			
	PCBs	500	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			
			NA	NA	10	01/14/00	01/05/00	2			
VOCs	2000	NA	NA	18A	10/05/00	09/28/00	2				
		NA	NA	18A	10/05/00	09/28/00	2				
SVOCs	2000	NA	NA	10	01/14/00	01/05/00	2				
		NA	NA	18A	10/05/00	09/28/00	2				
Metals	2000	NA	NA	10	01/14/00	01/05/00	2				
		NA	NA	18A	10/05/00	09/28/00	2				
TPH	2000	NA	NA	10	01/14/00	01/05/00	2				
		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	*Samples collected as part of off-site residential fill program
	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, F, G, and H
NA = Not Applicable
TBD = To be determined

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

PHOTO NO. 1

LOCATION: Cell I-1 Riverbed

DESCRIPTION: Concrete pier (foreground)
Sewer pipeline (background)

DATE: September 26, 2001



PHOTO NO. 2

LOCATION: Cell I-1 staging area

DESCRIPTION: Solid white material
removed from bank area.

DATE: September 27, 2001



PHOTO NO. 3

LOCATION: Cell I-1

DESCRIPTION: Excavated river and
bank areas.

DATE: September 28, 2001

