

TABLE 1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER UPPER 1/2 MILE REACH
BUSHIKA SAND AND GRAVEL TOC SAMPLING
DATA RECEIVED DURING JANUARY 2002

(Results are presented in parts per million, ppm)

Sample ID: Parameter Date Collected:	BSG-TOC-1 01/08/02	BSG-TOC-2 01/08/02	BSG-TOC-3 01/08/02	BSG-TOC-4 01/08/02
TOC - Replicate 1	7300	8200	11000 [10000]	7600
TOC - Replicate 2	7100	7600	6800 [8300]	9500
TOC - Replicate 3	9800	6300	9900 [9800]	8100
TOC - Average	8100	7400	9100 [9400]	8400
TOC - % RSD	18	14	23 [11]	12

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Northeast Analytical Services, Inc. for analysis of total organic carbon (TOC).
2. % RSD - Percent relative standard deviation.
3. Duplicate sample results are presented in brackets.

TABLE 2

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER UPPER 1/2 MILE REACH
CELL J1 POST EXCAVATION SEDIMENT SAMPLING
DATA RECEIVED DURING JANUARY 2002

(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-J1-SED-CAP-1	1/15/02	ND(38)	1000	1000

Notes:

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

TABLE 3

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER - UPPER 1/2 MILE REACH
CELL J-1 DRUM SAMPLING
VOC, SVOC AND INORGANIC SAMPLE DATA RECEIVED DURING JANUARY 2002

(Results are presented in parts per million, ppm)

Parameter	Sample ID: Date Collected:	12X-35279-1 01/23/02	12X-64912-1 01/23/02	12X-64913-1 01/18/02
Volatile Organics				
Acetone		ND(0.024)	0.038	0.015 J
Toluene		ND(0.0060)	ND(0.0064)	0.054
Semivolatile Organics				
Acenaphthene		ND(0.40)	20	0.088 J
Acenaphthylene		ND(0.40)	1.7	0.15 J
Anthracene		ND(0.40)	18	0.24 J
Benzo(a)anthracene		ND(0.40)	18	1.3
Benzo(a)pyrene		ND(0.40)	13	1.0
Benzo(b)fluoranthene		ND(0.40)	6.8	0.97
Benzo(g,h,i)perylene		ND(0.40)	3.1	ND(0.39)
Benzo(k)fluoranthene		ND(0.40)	9.4	1.0
bis(2-Ethylhexyl)phthalate		ND(0.39)	ND(0.42)	0.20 J
Chrysene		ND(0.40)	16	1.8
Dibenzo(a,h)anthracene		ND(0.40)	0.52 J	ND(0.39)
Dibenzofuran		ND(0.40)	0.63 J	ND(0.39)
Fluoranthene		ND(0.40)	35	2.4
Fluorene		ND(0.40)	8.4	0.19 J
Indeno(1,2,3-cd)pyrene		ND(0.40)	3.2	ND(0.39)
Naphthalene		ND(0.40)	1.4	0.23 J
Phenanthrene		ND(0.40)	34	2.8
Phenol		ND(0.40)	ND(0.84)	0.69
Pyrene		ND(0.40)	58	6.4
Inorganics				
Antimony		9.30	1.80 B	ND(6.00)
Arsenic		1.70	3.60	1.90
Barium		ND(20.0)	ND(20.0)	31.0
Beryllium		ND(0.500)	0.180 B	0.160 B
Cadmium		7.40	2.30	ND(0.500)
Chromium		4.20	19.0	9.10
Cobalt		0.870 B	ND(5.00)	ND(5.00)
Copper		52.0	1000	86.0
Cyanide		ND(0.120)	0.900	0.150
Lead		82.0	90.0	57.0
Mercury		0.190	0.210	0.250
Nickel		ND(4.00)	7.70	6.40
Sulfide		13.0	900	54.0
Tin		55.0	74.0	ND(10.0)
Vanadium		ND(5.00)	5.80	ND(5.00)
Zinc		2700	870	120

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and were submitted to CT&E Environmental Services, Inc. for analysis of volatiles, semivolatiles, metals and TCLP constituents.
2. Please refer to Table 13-5 for a summary of TCLP constituents.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

Data Qualifiers:

Organics

J - Indicates an estimated value less than the practical quantitation limit (PQL).

Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).

TABLE 4

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER - UPPER 1/2 MILE REACH
CELL J-1 DRUM SAMPLING
TCLP SAMPLE DATA RECEIVED DURING JANUARY 2002

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

Parameter	Sample ID: Date Collected:	TCLP Regulatory Limits	12X-35279-1 1/23/02	12X-64912-1 1/23/02	12X-64913-1 1/18/02
Volatile Organics					
1,1-Dichloroethene		0.7	ND(0.10)	ND(0.0050)	ND(0.10)
1,2-Dichloroethane		0.5	ND(0.10)	ND(0.0050)	ND(0.10)
2-Butanone		200	ND(0.20)	ND(0.010)	ND(0.20)
Benzene		0.5	ND(0.10)	ND(0.0050)	ND(0.10)
Carbon Tetrachloride		0.5	ND(0.10)	ND(0.0050)	ND(0.10)
Chlorobenzene		100	ND(0.10)	ND(0.0050)	ND(0.10)
Chloroform		6	ND(0.10)	ND(0.0050)	ND(0.10)
Tetrachloroethene		0.7	ND(0.10)	ND(0.0050)	ND(0.10)
Trichloroethene		0.5	ND(0.10)	ND(0.0050)	ND(0.10)
Vinyl Chloride		0.2	ND(0.10)	ND(0.0050)	ND(0.10)
Semivolatile Organics					
1,4-Dichlorobenzene		7.5	ND(0.050)	ND(0.050)	ND(0.050)
2,4,5-Trichlorophenol		400	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol		2	ND(0.050)	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene		0.13	ND(0.050)	ND(0.050)	ND(0.050)
Cresol		200	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobenzene		0.13	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobutadiene		0.5	ND(0.050)	ND(0.050)	ND(0.050)
Hexachloroethane		3	ND(0.050)	ND(0.050)	ND(0.050)
Nitrobenzene		2	ND(0.050)	ND(0.050)	ND(0.050)
Pentachlorophenol		100	ND(0.050)	ND(0.050)	ND(0.050)
Pyridine		5	ND(0.050)	ND(0.050)	ND(0.050)
Inorganics					
Arsenic		5	ND(0.100)	ND(0.100)	ND(0.100)
Barium		100	0.360	0.380	0.180
Cadmium		1	0.360	0.0280	ND(0.0200)
Chromium		5	0.00280 B	ND(0.0500)	ND(0.0500)
Lead		5	0.400	0.490	ND(0.100)
Mercury		0.2	ND(0.00200)	ND(0.00200)	ND(0.00200)
Selenium		1	0.00720 B	ND(0.200)	ND(0.200)
Silver		5	ND(0.0200)	ND(0.0200)	ND(0.0200)

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and were submitted to CT&E Environmental Services, Inc. for analysis of volatiles, semivolatiles, metals and TCLP constituents.
2. Please refer to Table 13-4 for a summary of volatiles, semivolatiles and inorganics.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

ata Qualifiers:

Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).

TABLE 5

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER - UPPER 1/2 MILE REACH
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING JANUARY 2002

Date	Sampler Location	Average Site Concentration (mg/m ³)	BM-1 (mg/m ³)	Average Period (Hours:Min)	Predominant Wind Direction
01/01/02 ¹	AM-6 (south side of river)	NA	NA	NA	NA
01/02/02	AM-6 (south side of river)	0.017	0.007	9:45	WNW
01/03/02	AM-6 (south side of river)	0.016	0.007	9:30	WNW
01/04/02	AM-6 (south side of river)	0.014	0.006	11:00	W
01/07/02 ²	AM-6 (south side of river)	NA	NA	NA	NA
01/08/02	AM-6 (south side of river)	0.015	0.007	9:30	WNW, WSW
01/09/02 ²	AM-6 (south side of river)	NA	NA	NA	NA
01/10/02	AM-6 (south side of river)	0.016	0.060	9:15	WNW
01/11/02 ²	AM-6 (south side of river)	NA	NA	NA	NA
01/14/02	AM-6 (south side of river)	0.008	0.001	9:00	NW, WNW
01/15/02 ²	AM-6 (south side of river)	NA	NA	NA	NA
01/16/02	AM-6 (south side of river)	0.008	0.004	9:15	WNW, NW
01/17/02 ²	AM-6 (south side of river)	NA	NA	NA	NA
01/18/02	AM-6 (south side of river)	0.014	0.006	9:45	W, WNW
01/21/02 ²	AM-6 (south side of river)	NA	NA	NA	NA
01/22/02	AM-6 (south side of river)	0.019	0.017	11:00	WNW, NW
01/23/02	AM-6 (south side of river)	0.015	0.012	10:00	SW
01/24/02 ²	AM-6 (south side of river)	NA	NA	NA	NA
01/25/02	AM-6 (south side of river)	0.011	0.007	9:00	WNW, W
01/28/02	AM-6 (south side of river)	0.028	0.023	9:30	Calm
01/29/02	AM-6 (south side of river)	0.042	0.036	9:15	SW
01/30/02 ²	AM-6 (south side of river)	NA	NA	NA	NA
01/31/02 ²	AM-6 (south side of river)	NA	NA	NA	NA
Notification Level		0.120			

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 New Year's holiday.

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

TABLE 6A

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

JANUARY 2002

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 ¹⁶ (cfs)	Turbidity (ntu) ¹³			Sample ID	Total PCB Concentration ¹⁴ (ug/l)	Filtered PCB Concentration (ug/l)	TSS (mg/l)
					High	Low	Daily Composite				
Upstream of Newell St. Bridge	01/02/2002	---	---	---	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	01/02/2002	---	---	30	NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	01/03/2002	1.4	0	29	NS	NS	NS	HR-1-3-02-U1	ND(0.0250)	ND(0.0250)	1.30
Downstream of Lyman St. Bridge	01/03/2002	2.4	0	---	NS	NS	NS	HR-1-3-02-D1	ND(0.0250)	ND(0.0250)	1.40
Upstream of Newell St. Bridge	01/04/2002	---	---	29	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	01/04/2002	---	---	---	NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	01/07/2002	---	---	33	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	01/07/2002	---	---	---	NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	01/08/2002	---	---	31	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	01/08/2002	---	---	---	NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	01/09/2002	---	---	31	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	01/09/2002	---	---	---	NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	01/10/2002	1.4	1	34	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	01/10/2002	2.5	1	---	NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	01/11/2002	1.4	0	35	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	01/11/2002	2.5	0	---	NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	01/14/2002	1.4	0	31	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	01/14/2002	2.5	0	---	NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	01/15/2002	1.4	0	33	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	01/15/2002	2.5	0	---	NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	01/16/2002	1.5	0	33	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	01/16/2002	2.5	0	---	NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	01/17/2002	1.6	1	34	NS	NS	NS	HR-1-17-02-U1	ND(0.0250)	ND(0.0250)	1.10
Downstream of Lyman St. Bridge	01/17/2002	2.5	1	---	NS	NS	NS	HR-1-17-02-D1	ND(0.0250)	ND(0.0250)	1.70
Upstream of Newell St. Bridge	01/18/2002	1.4	0	32	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	01/18/2002	2.4	0	---	NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	01/21/2002	1.4	2	29	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	01/21/2002	2.4	2	---	NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	01/22/2002	1.5	3	32	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	01/22/2002	2.5	3	---	NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	01/23/2002	1.4	0	30	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	01/23/2002	2.5	0	---	NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	01/24/2002	1.5	3	36	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	01/24/2002	2.6	3	---	NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	01/25/2002	1.9	4	65	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	01/25/2002	3.0	4	---	NS	NS	NS	---	---	---	---

TABLE 6A

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

JANUARY 2002

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 ¹⁶ (cfs)	Turbidity (ntu) ¹³			Sample ID	Total PCB Concentration ¹⁴ (ug/l)	Filtered PCB Concentration (ug/l)	TSS (mg/l)
					High	Low	Daily Composite				
Upstream of Newell St. Bridge	01/28/2002	1.6	1	45	10	5	6	---	---	---	---
Downstream of Lyman St. Bridge	01/28/2002	2.6	1		10	4	7	---	---	---	---
Upstream of Newell St. Bridge	01/29/2002	1.6	2	47	8	4	7	---	---	---	---
Downstream of Lyman St. Bridge	01/29/2002	2.7	2		8	5	6	---	---	---	---
Upstream of Newell St. Bridge	01/30/2002	1.8	3	68	6	4	4	---	---	---	---
Downstream of Lyman St. Bridge	01/30/2002	2.9	3		5	4	5	---	---	---	---
Upstream of Newell St. Bridge	01/31/2002	2.1	2	78	6	3	6	HR-1-31-02-U1	NR	NR	NR
Downstream of Lyman St. Bridge	01/31/2002	3.2	2		5	3	4	HR-1-31-02-D1	NR[NR]	NR[NR]	NR[NR]

Notes:

1. PCB and TSS samples were collected by Blasland, Bouck & Lee, Inc. and analyzed by Northeast Analytical, Inc. or on 9/27/00 CT&E Environmental Services 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. [] - Duplicate sample result
13. Turbidity Action Level = Turbidity downstream ≤ Turbidity upstream + 50 ntu
14. PCB Action Level = PCBs downstream ≤ PCBs upstream + 5 ug/l
15. NS - Not sampled due to frozen river conditions or high flow.
16. 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 6B

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER - UPPER 1/2 MILE REACH
HOUSATONIC RIVER PCB/TSS MONITORING DURING CONSTRUCTION
DATA RECEIVED DURING JANUARY 2002

(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-12-20-01-U1	Upstream of Newell St. Bridge	12/20/01	ND(0.0000250)	0.000279 AF	0.0000477	0.000327	4.40
HR-12-20-01-D1	Downstream of Lyman St. Bridge	12/20/01	ND(0.0000255)	0.000112 AF	0.0000284	0.000140	3.00
HR-12-20-01-U1 (FILTERED)	Upstream of Newell St. Bridge	12/20/01	ND(0.0000342)	ND(0.0000342)	ND(0.0000342)	ND(0.0000342)	--
HR-12-20-01-D1 (FILTERED)	Downstream of Lyman St. Bridge	12/20/01	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	--
HR-1-3-02-U1	Upstream of Newell St. Bridge	1/3/02	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	1.30
HR-1-3-02-D1	Downstream of Lyman St. Bridge	1/3/02	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	1.40
HR-1-3-02-U1 (FILTERED)	Upstream of Newell St. Bridge	1/3/02	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	--
HR-1-3-02-D1 (FILTERED)	Downstream of Lyman St. Bridge	1/3/02	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	--
HR-1-17-02-U1	Upstream of Newell St. Bridge	1/17/02	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	1.10
HR-1-17-02-D1	Downstream of Lyman St. Bridge	1/17/02	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	1.70
HR-1-17-02-U1 (FILTERED)	Upstream of Newell St. Bridge	1/17/02	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	--
HR-1-17-02-D1 (FILTERED)	Downstream of Lyman St. Bridge	1/17/02	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 7

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER - UPPER 1/2 MILE REACH
AMBIENT AIR PCB DATA RECEIVED DURING JANUARY 2002

Date	BM-1 ug/m ³	AM-5 ug/m ³	AM-5 co-located ug/m ³	AM-6 ug/m ³	AM-7 ug/m ³	AM-8 ug/m ³
01/04 - 01/05/02	0.0004	0.0073	0.0073	0.0037	0.0015	0.0011
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.