

TABLE 1

PRELIMINARY ANALYTICAL DATA  
SUBJECT TO VERIFICATIONGENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTSHOUSATONIC RIVER - UPPER 1/2 MILE REACH  
CELL 12 SEDIMENT SAMPLING IN BUILDING 65  
VOC, PCB AND SVOC DATA RECEIVED DURING MAY 2002

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

Parameter	Sample ID: Date Collected:	65-12-SE-1 04/29/02	65-12-SE-2 04/29/02	65-12-SE-3 04/29/02	65-12-SE-4 04/29/02	65-12-SE-5 04/29/02	65-12-SE-6 04/29/02
<b>Volatile Organics</b>							
Acetone		NS	NS	NS	NS	NS	NS
<b>PCBs</b>							
Aroclor-1254		ND(0.050)	1.4 AF	0.52 AF	0.37 AF	0.16	31
Aroclor-1260		0.36 AG	0.36	0.17	0.11	0.11	47 AG
Total PCBs		0.36	1.76	0.69	0.48	0.27	78
<b>Semivolatile Organics</b>							
2,4-Dimethylphenol		NS	NS	NS	NS	NS	NS
4-Methylphenol		NS	NS	NS	NS	NS	NS
Acenaphthene		NS	NS	NS	NS	NS	NS
Acenaphthylene		NS	NS	NS	NS	NS	NS
Anthracene		NS	NS	NS	NS	NS	NS
Benzo(a)anthracene		NS	NS	NS	NS	NS	NS
Benzo(a)pyrene		NS	NS	NS	NS	NS	NS
Benzo(b)fluoranthene		NS	NS	NS	NS	NS	NS
Benzo(g,h,i)perylene		NS	NS	NS	NS	NS	NS
Benzo(k)fluoranthene		NS	NS	NS	NS	NS	NS
bis(2-Ethylhexyl)phthalate		NS	NS	NS	NS	NS	NS
Chrysene		NS	NS	NS	NS	NS	NS
Dibenzo(a,h)anthracene		NS	NS	NS	NS	NS	NS
Diethylphthalate		NS	NS	NS	NS	NS	NS
Di-n-Butylphthalate		NS	NS	NS	NS	NS	NS
Fluoranthene		NS	NS	NS	NS	NS	NS
Fluorene		NS	NS	NS	NS	NS	NS
Indeno(1,2,3-cd)pyrene		NS	NS	NS	NS	NS	NS
N-Nitrosodiphenylamine		NS	NS	NS	NS	NS	NS
Phenanthrene		NS	NS	NS	NS	NS	NS
Phenol		NS	NS	NS	NS	NS	NS
Pyrene		NS	NS	NS	NS	NS	NS

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PRELIMINARY ANALYTICAL DATA  
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PITTSFIELD, MASSACHUSETTSHOUSATONIC RIVER - UPPER 1/2 MILE REACH  
CELL I2 SEDIMENT SAMPLING IN BUILDING 65  
VOC, PCB AND SVOC DATA RECEIVED DURING MAY 2002

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

Sample ID:	65-I2-SE-7	65-I2-SE-8	65-I2-SE-9	65-I2-SE-10	65-I2-SE-C1
Parameter Date Collected:	04/29/02	04/29/02	04/29/02	04/29/02	04/29/02
<b>Volatile Organics</b>					
Acetone	NS	NS	NS	NS	0.0059 BJ
<b>PCBs</b>					
Aroclor-1254	0.76 AF	0.33 AF [0.17 AF]	2.6	0.16	NS
Aroclor-1260	0.49	0.11 [0.12]	0.54	0.13	NS
Total PCBs	1.25	0.44 [0.29]	3.14	0.29	NS
<b>Semivolatile Organics</b>					
2,4-Dimethylphenol	NS	NS	NS	NS	0.042 J
4-Methylphenol	NS	NS	NS	NS	0.051 J
Acenaphthene	NS	NS	NS	NS	0.26 J
Acenaphthylene	NS	NS	NS	NS	0.29 J
Anthracene	NS	NS	NS	NS	1.0
Benzo(a)anthracene	NS	NS	NS	NS	1.1
Benzo(a)pyrene	NS	NS	NS	NS	0.84
Benzo(b)fluoranthene	NS	NS	NS	NS	0.78
Benzo(g,h,i)perylene	NS	NS	NS	NS	0.49
Benzo(k)fluoranthene	NS	NS	NS	NS	0.28 J
bis(2-Ethylhexyl)phthalate	NS	NS	NS	NS	3.1
Chrysene	NS	NS	NS	NS	0.88
Dibenzo(a,h)anthracene	NS	NS	NS	NS	0.25 J
Diethylphthalate	NS	NS	NS	NS	0.10 J
Di-n-Butylphthalate	NS	NS	NS	NS	0.36
Fluoranthene	NS	NS	NS	NS	1.6
Fluorene	NS	NS	NS	NS	0.49
Indeno(1,2,3-cd)pyrene	NS	NS	NS	NS	0.42
N-Nitrosodiphenylamine	NS	NS	NS	NS	0.12 J
Phenanthrene	NS	NS	NS	NS	2.8
Phenol	NS	NS	NS	NS	0.19 J
Pyrene	NS	NS	NS	NS	4.5

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Northeast Analytical Services, Inc. for analysis of volatiles, PCBs and semivolatiles.
2. ND - Analyte was not detected. The number 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. NS - Not Sampled - Parameter was not requested on sample chain of custody form.
5. Duplicate sample results are presented in brackets.
6. Only those constituents detected in one or more samples are summarized.

Data Qualifiers:Organics

- J - Indicates an estimated value less than the practical quantitation limit (PQL).
- B - Analyte was also detected in the associated method blank.

TABLE 2

GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER - UPPER 1/2 MILE REACH  
CELL 12 SEDIMENT SAMPLING IN BUILDING 65  
TCLP DATA RECEIVED DURING MAY 2002

(Results are presented in parts per million, ppm)

Parameter	Sample ID: Date Collected:	TCLP Regulatory Limits	65-12-SE-C1 4/29/2002
<b>Volatile Organics</b>			
1,1-Dichloroethene		0.7	ND(0.010)
1,2-Dichloroethane		0.5	ND(0.010)
2-Butanone		200	ND(0.010)
Benzene		0.5	ND(0.010)
Carbon Tetrachloride		0.5	ND(0.010)
Chlorobenzene		100	ND(0.010)
Chloroform		6	ND(0.010)
Tetrachloroethene		0.7	ND(0.010)
Trichloroethene		0.5	ND(0.010)
Vinyl Chloride		0.2	ND(0.010)
<b>Semivolatile Organics</b>			
1,4-Dichlorobenzene		7.5	ND(0.050)
2,4,5-Trichlorophenol		400	ND(0.050)
2,4,6-Trichlorophenol		2	ND(0.050)
2,4-Dinitrotoluene		0.13	ND(0.050)
2-Methylphenol		200	ND(0.050)
3&4-Methylphenol		200	ND(0.050)
Hexachlorobenzene		0.13	ND(0.050)
Hexachlorobutadiene		0.5	ND(0.050)
Hexachloroethane		3	ND(0.050)
Nitrobenzene		2	ND(0.050)
Pentachlorophenol		100	ND(0.050)
Pyridine		5	ND(0.050)
<b>Inorganics</b>			
Arsenic		5	ND(0.187)
Barium		100	0.153
Cadmium		1	ND(0.0178)
Chromium		5	ND(0.0178)
Lead		5	1.92
Mercury		0.2	ND(0.00200)
Selenium		1	ND(0.183)
Silver		5	ND(0.0308)

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Northeast Analytical Services, Inc. for analysis of TCLP constituents.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

TABLE 3-A

PRELIMINARY ANALYTICAL DATA  
SUBJECT TO VERIFICATIONGENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS

MAY 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 <sup>14</sup> (cfs)	Turbidity (ntu) <sup>11</sup>			Sample ID	Total PCB Concentration <sup>12</sup> (ug/l)	Filtered PCB Concentration (ug/l)	TSS (mg/l)
					High	Low	Daily Composite				
Upstream of Newell St. Bridge	05/01/2002	3.3	2	180	4	3	3	---	---	---	---
Downstream of Lyman St. Bridge	05/01/2002	4.0	2		6	3	5	---	---	---	---
Upstream of Newell St. Bridge	05/02/2002	2.8	4	145	5	3	5	---	---	---	---
Downstream of Lyman St. Bridge	05/02/2002	3.7	4		7	3	6	---	---	---	---
Upstream of Newell St. Bridge	05/03/2002	3.0	4	159	4	2	3	---	---	---	---
Downstream of Lyman St. Bridge	05/03/2002	3.8	4		7	3	3	---	---	---	---
Upstream of Newell St. Bridge	05/06/2002	2.0	7	78	4	2	3	---	---	---	---
Downstream of Lyman St. Bridge	05/06/2002	2.9	7		4	2	3	---	---	---	---
Upstream of Newell St. Bridge	05/07/2002	1.9	8	72	7	2	3	---	---	---	---
Downstream of Lyman St. Bridge	05/07/2002	2.9	8		5	2	4	---	---	---	---
Upstream of Newell St. Bridge	05/08/2002	1.8	15	71	3	2	2	---	---	---	---
Downstream of Lyman St. Bridge	05/08/2002	2.8	15		4	2	3	---	---	---	---
Upstream of Newell St. Bridge	05/09/2002	1.8	14	65	4	2	3	HR-5-9-02-U1	0.122 [0.153]	ND(0.0250)[ND(0.0250)]	2.80[2.80]
Downstream of Lyman St. Bridge	05/09/2002	2.8	14		3	2	2	HR-5-9-02-D1	0.384	ND(0.0250)	2.63
Upstream of Newell St. Bridge	05/10/2002	1.9	12	74	3	3	3	---	---	---	---
Downstream of Lyman St. Bridge	05/10/2002	2.9	12		4	2	4	---	---	---	---
Upstream of Newell St. Bridge	05/13/2002	2.9	8	186	33	19	34	---	---	---	---
Downstream of Lyman St. Bridge	05/13/2002	3.7	8		19	3	12	---	---	---	---
Upstream of Newell St. Bridge	05/14/2002	---	---	621	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	05/14/2002	---	---		NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	05/15/2002	---	---	328	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	05/15/2002	---	---		NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	05/16/2002	---	---	209	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	05/16/2002	---	---		NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	05/17/2002	---	---	169	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	05/17/2002	---	---		NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	05/20/2002	3.3	4	180	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	05/20/2002	3.0	4		NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	05/21/2002	2.8	7	135	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	05/21/2002	2.6	7		NS	NS	NS	---	---	---	---
Upstream of Newell St. Bridge	05/22/2002	2.7	10	114	NS	NS	NS	---	---	---	---
Downstream of Lyman St. Bridge	05/22/2002	2.6	10		NS	NS	NS	---	---	---	---

TABLE 3-A

PRELIMINARY ANALYTICAL DATA  
SUBJECT TO VERIFICATIONGENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS

MAY 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 <sup>14</sup> (cfs)	Turbidity (ntu) <sup>11</sup>			Sample ID	Total PCB Concentration <sup>12</sup> (ug/l)	Filtered PCB Concentration (ug/l)	TSS (mg/l)
					High	Low	Daily Composite				
Upstream of Newell St. Bridge	05/23/2002	2.3	13	96	4	3	3	HR-5-23-02-U1	NR	NR	NR
Downstream of Lyman St. Bridge	05/23/2002	2.4	13		4	2	3	HR-5-23-02-D1	NR	NR	NR
Upstream of Newell St. Bridge	05/24/2002	2.1	12	83	5	3	6	---	---	---	---
Downstream of Lyman St. Bridge	05/24/2002	2.3	12		4	2	4	---	---	---	---
Upstream of Newell St. Bridge	05/28/2002	1.8	17	71	5	3	3	---	---	---	---
Downstream of Lyman St. Bridge	05/28/2002	2.1	17		7	3	6	---	---	---	---
Upstream of Newell St. Bridge	05/29/2002	2.4	6	133	11	8	11	---	---	---	---
Downstream of Lyman St. Bridge	05/29/2002	3.2	6		7	3	6	---	---	---	---
Upstream of Newell St. Bridge	05/30/2002	2.3	14	97	9	5	11	---	---	---	---
Downstream of Lyman St. Bridge	05/30/2002	3.2	14		4	2	4	---	---	---	---
Upstream of Newell St. Bridge	05/31/2002	2.5	15	122	10	6	9	---	---	---	---
Downstream of Lyman St. Bridge	05/31/2002	2.6	15		10	4	7	---	---	---	---

## 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. NR - Not yet reported
9. ug/l - micrograms per liter
10. mg/l - milligrams per liter
11. Turbidity Action Level = Turbidity downstream ≤ Turbidity upstream + 50 ntu
12. PCB Action Level = PCBs downstream ≤ PCBs upstream + 5 ug/l
13. NS - Not sampled due to frozen river conditions or high flow.
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 3-B

PRELIMINARY ANALYTICAL DATA  
SUBJECT TO VERIFICATIONGENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTSHOUSATONIC RIVER - UPPER 1/2 MILE REACH  
HOUSATONIC RIVER PCB/TSS MONITORING DURING CONSTRUCTION  
DATA RECEIVED DURING MAY 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-4-25-02-U1	Upstream of Newell St. Bridge	4/25/2002	ND(0.0000250)	0.000164 AF	0.0000398	0.000204	3.10
HR-4-25-02-D1	Downstream of Lyman St. Bridge	4/25/2002	ND(0.0000250)	0.000182 AF	0.0000712	0.000253	4.30
HR-4-25-02-U1 (FILTERED)	Upstream of Newell St. Bridge	4/25/2002	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	--
HR-4-25-02-D1 (FILTERED)	Downstream of Lyman St. Bridge	4/25/2002	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	--
HR-5-9-02-U1	Upstream of Newell St. Bridge	5/9/2002	ND(0.0000250) [ND(0.0000250)]	0.0000964 AF [0.000116 AF]	0.0000260 [0.0000366]	0.000122 [0.000153]	2.80 [2.80]
HR-5-9-02-D1	Downstream of Lyman St. Bridge	5/9/2002	ND(0.0000272)	0.000289 AF	0.0000946	0.000384	2.63
HR-5-9-02-U1 (FILTERED)	Upstream of Newell St. Bridge	5/9/2002	ND(0.0000250) [ND(0.0000250)]	ND(0.0000250) [ND(0.0000250)]	ND(0.0000250) [ND(0.0000250)]	ND(0.0000250) [ND(0.0000250)]	--
HR-5-9-02-D1 (FILTERED)	Downstream of Lyman St. Bridge	5/9/2002	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. Duplicate sample results are presented in brackets.
5. --- Not analyzed.

TABLE 4

PRELIMINARY ANALYTICAL DATA  
SUBJECT TO VERIFICATIONGENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTSHOUSATONIC RIVER - UPPER 1/2 MILE REACH  
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING MAY 2002

Date	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	BM-1 (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
05/01/02	AM-6 (south side of river)	0.009	0.007	10:30	NW, WNW
05/02/02 <sup>1</sup>	AM-6 (south side of river)	NA	NA	NA	NA
05/03/02	AM-6 (south side of river)	0.012	0.005	9:15	WNW
05/06/02	AM-6 (south side of river)	0.009	0.015	14:45	SW
05/07/02	AM-6 (south side of river)	0.013	0.017	9:15	W
05/08/02	AM-6 (south side of river)	0.004	0.005	9:30	N, NNE
05/09/02 <sup>1</sup>	AM-6 (south side of river)	NA	NA	NA	NA
05/10/02	AM-6 (south side of river)	0.009	0.011	9:00	WNW
05/13/02 <sup>1</sup>	AM-6 (south side of river)	NA	NA	NA	NA
05/14/02 <sup>1</sup>	AM-6 (south side of river)	NA	NA	NA	NA
05/15/02	AM-6 (south side of river)	0.007	0.004	8:15	WNW
05/16/02	AM-6 (south side of river)	0.007	0.009	9:00	SW, WSW
05/17/02 <sup>1</sup>	AM-6 (south side of river)	NA	NA	NA	NA
05/20/02	AM-6 (south side of river)	0.007	0.006	9:45	NW
05/21/02	AM-6 (south side of river)	0.005	0.004	9:45	WNW
05/22/02	AM-6 (south side of river)	0.007	0.008	10:15	NW
05/23/02	AM-6 (south side of river)	0.007	0.010	9:45	SW
05/24/02	AM-6 (south side of river)	0.017	0.024	8:15	WNW, W
05/27/02 <sup>2</sup>	AM-6 (south side of river)	NA	NA	NA	NA
05/28/02	AM-6 (south side of river)	0.038	0.033	9:00	SW
05/29/02 <sup>1</sup>	AM-6 (south side of river)	NA	NA	NA	NA
05/30/02	AM-6 (south side of river)	0.025	0.031	6:45 <sup>3</sup>	SW
05/31/02 <sup>1</sup>	AM-6 (south side of river)	NA	NA	NA	NA
Notification Level		0.120			

NA - Not Available

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

BM-1: Background monitoring location located inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street.

<sup>1</sup> Sampling was not performed due to precipitation/threat of precipitation.<sup>2</sup> Sampling was not performed due to lack of site activity on the Memorial Day holiday.<sup>3</sup> Sampling period was shortened due to precipitation/threat of precipitation.

TABLE 5

PRELIMINARY ANALYTICAL DATA  
SUBJECT TO VERIFICATIONGENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTSHOUSATONIC RIVER - UPPER 1/2 MILE REACH  
AMBIENT AIR PCB DATA RECEIVED DURING MAY 2002

Date	BM-1 ug/m <sup>3</sup>	AM-5 ug/m <sup>3</sup>	AM-5 co-located ug/m <sup>3</sup>	AM-6 ug/m <sup>3</sup>	AM-7 ug/m <sup>3</sup>	AM-8 ug/m <sup>3</sup>
05/22 - 05/23/02	0.0010	0.0052	0.0043	0.0033	0.0068	0.0093
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, at Lyman Street Bridge.