

TABLE 1A

PRELIMINARY ANALYTICAL DATA  
SUBJECT TO VERIFICATIONGENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS

SEPTEMBER 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>12</sup>			Sample ID	Total PCB Concentration <sup>13</sup> (ug/l)	Filtered PCB Concentration (ug/l)	TSS (mg/l)
					High	Low	Daily Composite				
Upstream of Newell St. Bridge	09/03/2002	1.0	11	17	8	2	5	---	---	---	---
Downstream of Lyman St. Bridge	09/03/2002	1.2	11		9	4	5	---	---	---	---
Upstream of Newell St. Bridge	09/04/2002	1.4	11	17	5	2	4	---	---	---	---
Downstream of Lyman St. Bridge	09/04/2002	1.6	11		6	2	4	---	---	---	---

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 1B

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 SEPTEMBER 2002

(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-8-15-02-U1	Upstream of Newell St. Bridge	8/15/2002	ND(0.0000250) [ND(0.0000250)]	ND(0.0000250) [ND(0.0000250)]	ND(0.0000250) [ND(0.0000250)]	ND(0.0000250) [ND(0.0000250)]	ND(0.0000250) [ND(0.0000250)]	3.30 [2.50]
HR-8-15-02-D1	Downstream of Lyman St. Bridge	8/15/2002	ND(0.0000250)	ND(0.0000250)	0.0000433 AF	0.0000568	0.000100	5.10
HR-8-15-02-U1 (FILTERED)	Upstream of Newell St. Bridge	8/15/2002	ND(0.0000255) [ND(0.0000260)]	ND(0.0000255) [ND(0.0000260)]	ND(0.0000255) [ND(0.0000260)]	ND(0.0000255) [ND(0.0000260)]	ND(0.0000255) [ND(0.0000260)]	-- --
HR-8-15-02-D1 (FILTERED)	Downstream of Lyman St. Bridge	8/15/2002	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	--
HR-8-28-02-U1	Upstream of Newell St. Bridge	8/28/2002	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	3.80
HR-8-28-02-D1	Downstream of Lyman St. Bridge	8/28/2002	ND(0.0000250)	0.0000356 PE	0.0000362 AF	0.0000305	0.000102	8.89
HR-8-28-02-U1 (FILTERED)	Upstream of Newell St. Bridge	8/28/2002	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	--
HR-8-28-02-D1 (FILTERED)	Downstream of Lyman St. Bridge	8/28/2002	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	--
HR-8-28-02-UC1 <sup>6</sup>	Upstream of Newell St. Bridge	8/28/2002	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	ND(0.0000250)	2.60
HR-8-28-02-UC1 (FILTERED) <sup>6</sup>	Upstream of Newell St. Bridge	8/28/2002	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.
6. HR-8-28-02-UC1 and HR-8-28-02-UC1-F were collected manually.

TABLE 2

GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER - UPPER 1/2 MILE REACH  
BUILDING 12X SAMPLING OF DECON WATER GENERATED BY MTI IN 17 DRUMS  
DATA RECEIVED DURING SEPTEMBER 2002

(Results are presented in parts per million, ppm)

Parameter	Sample ID: Date Collected:	12X-MTI-DECON WATER-1 08/21/02	12X-MTI-DECON WATER-1 08/22/02
<b>Volatile Organics</b>			
Acetone		NS	0.15 E
Bromodichloromethane		NS	ND(0.010)
Chloroform		NS	0.0023 J
Toluene		NS	0.0014 J
<b>PCBs-Unfiltered</b>			
Aroclor-1254		0.0019 AF	NS
Aroclor-1260		0.0043	NS
Total PCBs		0.0062	NS
<b>Semivolatile Organics</b>			
Benzo(a)pyrene		0.0017 J	NS
Benzo(k)fluoranthene		0.0010 JB	NS
bis(2-Ethylhexyl)phthalate		0.82	NS
Dimethylphthalate		0.083	NS
Di-n-Butylphthalate		0.0020 J	NS
Fluoranthene		0.0029 J	NS
Phenanthrene		0.0025 J	NS
Pyrene		0.0046 J	NS
<b>Inorganics-Unfiltered</b>			
Aluminum		1.16	NS
Barium		0.0213	NS
Calcium		20.2	NS
Chromium		0.00542	NS
Copper		0.0204	NS
Iron		9.23	NS
Magnesium		3.64	NS
Manganese		0.393	NS
Potassium		1.99	NS
Sodium		17.2	NS
Sulfide		1.4	NS
Zinc		0.0280	NS
<b>Conventional Parameters</b>			
Flash Point (°F)		>200	NS

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Northeast Analytical Services, Inc. for analysis of volatiles, PCBs, semivolatiles, metals and flash point.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. With the exception of Conventional Parameters only detected constituents are summarized.
4. NS - Not Sampled - Parameter was not requested on sample chain of custody form.
5. AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

Data Qualifiers:

Organics and Conventional Parameters

B - Analyte was also detected in the associated method blank.

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

E - Analyte exceeded calibration range.

TABLE 3

GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS  
  
HOUSATONIC RIVER - UPPER 1/2 MILE REACH  
ROADWAY MATERIAL SOIL PILE STAGED NEAR 64W  
TCLP SAMPLE DATA RECEIVED DURING SEPTEMBER 2002

(Results are presented in parts per million, ppm)

Parameter	Sample ID: Date Collected:	TCLP Regulatory Limits	SP-64W-TCLP-1 9/5/2002
<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(0.186)
Barium		100	0.236
Cadmium		1	ND(0.0145)
Chromium		5	ND(0.0178)
Lead		5	ND(0.189)
Mercury		0.2	ND(0.00200)
Selenium		1	ND(0.166)
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 4

GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER - UPPER 1/2 MILE REACH  
HALF MILLION GALLON TANK EAST OF BUILDING 68 SEDIMENT SAMPLING  
PCB SAMPLE DATA RECEIVED DURING SEPTEMBER 2002

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

Sample ID	Date Collected	Aroclor 1016, 1221, 1232 & 1248	Aroclor-1242	Aroclor-1254	Aroclor-1260	Total PCBs
TANK-SED-1	9/12/2002	ND(16)	68 PD	460 AF	270	798
TANK-SED-2	9/12/2002	ND(33) [ND(140)]	ND(33) [ND(140)]	1300 [6600]	370 [1600]	1670 [8200]
TANK-SED-3	9/12/2002	ND(15)	ND(15)	290	210	500
TANK-SED-4	9/12/2002	ND(24)	ND(24)	960	240	1200
TANK-SED-5	9/12/2002	ND(36)	85 PD	1400 AF	480	1970
TANK-SED-6	9/12/2002	ND(26)	63 PD	630 AF	520	1210
TANK-SED-7	9/12/2002	ND(87)	ND(87)	2400 AF	1300	3700
TANK-SED-8	9/12/2002	ND(51)	150 PD	1300 AF	990	2440
TANK-SED-9	9/12/2002	ND(17)	100 PD	230 AF	570	900
TANK-SED-10	9/12/2002	ND(83)	170 PD	ND(83)	2400	2570
TANK-SED-11	9/12/2002	ND(82)	170 PD	2500 AF	1400	4070
TANK-SED-12	9/12/2002	ND(86)	160 PD	1900 AF	850	2910

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Northeast Analytical 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.
4. AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
5. PD - Aroclor 1242 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1242 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

TABLE 5

PRELIMINARY ANALYTICAL DATA  
SUBJECT TO VERIFICATIONGENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTSHOUSATONIC RIVER - UPPER 1/2 MILE REACH  
HALF MILLION GALLON TANK EAST OF BUILDING 68 SEDIMENT SAMPLING  
VOC AND SVOC SAMPLE DATA RECEIVED DURING SEPTEMBER 2002

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

Parameter	Sample ID: Date Collected:	TANK-SED-C1 09/12/02
<b>Volatile Organics</b>		
Acetone		0.018 B
Benzene		1.1 E
Chlorobenzene		38
m&p-Xylene		0.077
o-Xylene		0.041
Toluene		0.014 J
<b>Semivolatile Organics</b>		
1,2,4-Trichlorobenzene		20
1,2-Dichlorobenzene		0.94
1,3-Dichlorobenzene		2.2
1,4-Dichlorobenzene		8.4
2-Methylnaphthalene		0.64
4-Methylphenol		0.089 J
Acenaphthene		2.8
Acenaphthylene		0.64
Anthracene		2.2
Benzo(a)anthracene		2.0
Benzo(a)pyrene		1.4
Benzo(b)fluoranthene		1.3
Benzo(g,h,i)perylene		0.72
Benzo(k)fluoranthene		0.38 J
bis(2-Chloroethyl)ether		1.0
bis(2-Ethylhexyl)phthalate		0.23 J
Chrysene		1.5
Dibenzo(a,h)anthracene		0.41 J
Diethylphthalate		0.18 J
Di-n-Butylphthalate		0.14 J
Fluoranthene		5.2 J
Fluorene		2.6
Indeno(1,2,3-cd)pyrene		0.62
Naphthalene		0.29 J
Phenanthrene		8.0
Pyrene		6.5

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Northeast Analytical Services, Inc. for analysis of volatiles, semivolatiles and TCLP constituents.
2. Please refer to Table 13-7 for a summary of TCLP constituents.

Data Qualifiers:Organics

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

TABLE 6

GENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTS

HOUSATONIC RIVER - UPPER 1/2 MILE REACH  
HALF MILLION GALLON TANK EAST OF BUILDING 68 SEDIMENT SAMPLING  
TCLP SAMPLE DATA RECEIVED DURING SEPTEMBER 2002

(Results are presented in parts per million, ppm)

Parameter	Sample ID: Date Collected:	TCLP Regulatory Limits	TANK-SED-C1 9/12/2002
<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	0.015
Carbon Tetrachloride		0.5	ND(0.010)
Chlorobenzene		100	0.75 E
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	0.076
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	0.0071 J
Pyridine		5	ND(0.050)
<b>Inorganics</b>			
Arsenic		5	ND(0.186)
Barium		100	0.724
Cadmium		1	ND(0.0145)
Chromium		5	ND(0.0178)
Lead		5	ND(0.189)
Mercury		0.2	ND(0.00200)
Selenium		1	ND(0.166)
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. Please refer to Table 13-6 for a summary of volatiles and semivolatiles.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

Data Qualifiers:

Organics

- E - Analyte exceeded calibration range.
- J - Indicates an estimated value less than the practical quantitation limit (PQL).

TABLE 7

PRELIMINARY ANALYTICAL DATA  
SUBJECT TO VERIFICATIONGENERAL ELECTRIC COMPANY  
PITTSFIELD, MASSACHUSETTSHOUSATONIC RIVER - UPPER 1/2 MILE REACH  
ISOLATION SOIL PILE SAMPLING IN LYMAN STREET PARKING LOT  
DATA RECEIVED DURING SEPTEMBER 2002

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

Parameter	Sample ID: Date Collected:	LS-SP-1 09/05/02	LS-SP-2 09/05/02	LS-SP-3 09/05/02
<b>PCBs</b>				
Aroclor-1016		ND(0.0544)	ND(0.0536)	NS
Aroclor-1221		ND(0.0544)	ND(0.0536)	NS
Aroclor-1232		ND(0.0544)	ND(0.0536)	NS
Aroclor-1242		ND(0.0544)	ND(0.0536)	NS
Aroclor-1248		ND(0.0544)	ND(0.0536)	NS
Aroclor-1254		ND(0.0544)	ND(0.0536)	NS
Aroclor-1260		ND(0.0544)	ND(0.0536)	NS
Total PCBs		ND(0.0544)	ND(0.0536)	NS
<b>Total Organic Carbon</b>				
TOC - Replicate 1		8740	8870	8570
TOC - Replicate 2		10200	8140	9150
TOC - Replicate 3		8290	7390	8900
TOC - Average		9080	8130	8870
TOC - % RSD		11.1	9.10	3.29

## Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Northeast Analytical Services, Inc. for analysis of PCBs and total organic carbon (TOC).
2. % RSD - Percent relative standard deviation.
3. ND - Analyte was not detected. The value in parentheses is the associated detection limit.
4. NS - Not Sampled - Parameter was not requested on sample chain of custody form.