

**Table 1 - Quantity of Material Generated to Date  
September 2002 Monthly Report**

**GE/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are reported in cubic yards)

Date	Location	Approximate Quantity Transported to Stockpile Management Area		Approximate Quantity Transported to OPCAs	
		non-TSCA	TSCA	Hill 78 (non-TSCA)	Bldg. 71 (TSCA)
<b>Site Preparation Activities</b>					
12/01/01	Lyman Street Utility Relocation Excavation	255			
12/01/01	Drill Cuttings	7			
06/20/02	Drainage Swale Structure Installation	45			
	Total to Date from site preparation activities	307			
09/11/02	Building 65 Stockpile Management Area			270	
<b>Bank Soil and Sediment</b>					
09/26/02	Cell 1A	40			
09/27/02	Cell 1A	20			
	Total to Date from bank soil and sediment	60			
	<b>Project Totals</b>	<b>367</b>		<b>270</b>	

Note:

Estimated loose, or non-compacted volumes, calculated by counting the number of trucks transporting material.

**Table 2 - NPDES PCB Sampling Results for Water Treatment System  
September 2002 Monthly Report**

**GE/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

(Results are presented in part per billion, ppb)

Sample ID	Location	Date Collected	Aroclor 1016, 1221, 1232, 1242, & 1248	Aroclor 1254	Aroclor 1260	Total PCBs
H2-WW000001-0-2S26	Influent	09/26/2002	ND(0.66)	7.3	2.6 J	9.9
H2-WW000002-0-2S26	Intermediate	09/26/2002	ND(0.013)	0.026	0.024	0.050
H2-WW000003-0-2S26	Effluent	09/26/2002	ND(0.013)	0.019	0.016	0.035
H2-WW000001-0-2S28	Influent	09/28/2002	ND(0.013)	0.11	0.088	0.20
H2-WW000002-0-2S28	Intermediate	09/28/2002	ND(0.013)	0.015	0.019	0.034
H2-WW000003-0-2S28	Effluent	09/28/2002	ND(0.013)	ND(0.013)	0.014	0.014
H2-WW000001-0-2S30	Influent	09/30/2002	ND(6.9)	22.0	50.0	72.0
H2-WW000002-0-2S30	Intermediate	09/30/2002	ND(0.014)	0.032	0.041	0.073
H2-WW000003-0-2S30	Effluent	09/30/2002	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.012)
<b>Action Level</b>	<b>Effluent</b>					<b>0.50</b>

Notes:

ND(0.013) - Analyte was not detected. The value in parentheses is the associated detection limit.

Intermediate - sample collected between carbon units which are being operated in series.

9/26/02 - Day 1 sampling

9/28/02 - Day 3 sampling

9/30/02 - Day 5 sampling

**Table 3 - Backfill Material Testing Results  
September 2002 Monthly Report**

**GE/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

**(Results are presented in part per million, ppm)**

<b>Sample ID</b>	H2-OT000028-0-2S05	H2-OT000029-0-2S05	H2-OT000030-0-2S05	<b>Regulatory Limits (1)</b>
<b>Sample type</b>	Sand	Processed Gravel	Common Fill	
<b>Date Collected</b>	09/05/2002	09/05/2002	09/05/2002	
<b>Analyte</b>				
<b>APP IX SEMIVOLATILES</b>				
BIS(2-ETHYLHEXYL) PHTHALATE	0.018J	0.096J	0.200 J	100
<b>APP IX VOLATILES</b>				
ACETONE	0.026	0.022	0.012	3
BROMOFORM	.0038 J	.0039 J	.0036 J	0.1
METHYLENE CHLORIDE	.0034 J	.0012 J	.0011 J	0.1
NAPHTHALENE	.0011 J	ND	ND	4
<b>METALS</b>				
ANTIMONY	0.22	0.19	0.16	10
ARSENIC	3.7	3.3	4.3	30
BARIUM	46.6	24.0	13.8	1000
BERYLLIUM	0.27	0.14	0.12	0.7
CADMIUM	0.17	0.14	0.15	30
CHROMIUM	6.3	6.0	6.5	1000
COBALT	7.5	6.4	12.7	500
COPPER	10.7	11.1	11.6	1000
LEAD	4.3	4.3	5.3	300
NICKEL	15.0	10.6	11.9	300
SILVER	0.47	0.14	ND	100
TIN	0.90	0.22	0.32	10
VANADIUM	6.3	6.7	5.0	400
ZINC	53.9	34.8	42.5	2500
<b>ORGANIC</b>				
PETROLEUM HYDROCARBON	ND	ND	ND	200*
<b>PCBS</b>				
AROCLOR-1254	0.022	ND	ND	
AROCLOR-1260	ND	ND	ND	
PCB, TOTAL	0.022	ND	ND	0.1*

**Notes:**

Only detected constituents are summarized

J - Indicates as estimated value

ND - not detected

(1) - Massachusetts contingency plan S-1 limits

\* - Project specific acceptable levels for backfill

**Table 4 - Daily Air Monitoring Results  
September 2002 Monthly Report**

**GE/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

<b>Date Collected</b>	<b>Sample Location</b>	<b>Average Site Concentration (mg/m<sup>3</sup>)</b>	<b>Average Period (Hours:Min)</b>
9/18/2002	Upwind	0.007	9:32
	Downwind	0.014	9:40
	Background	---	---
9/19/2002	Upwind	0.012	9:26
	Downwind	0.012	9:26
	Background	0.007	9:14
9/20/2002	Upwind	0.027	9:42
	Downwind	0.026	9:42
	Background	0.026	9:40
9/23/2002	Upwind	0.007	9:36
	Downwind	0.005	9:44
	Background	0.003	9:32
9/24/2002	Upwind	0.005	8:02
	Downwind	---	---
	Background	0.009	9:18
9/25/2002	Upwind	0.009	9:07
	Downwind	0.012	8:40
	Background	0.009	8:48
9/26/2002	Upwind	0.010	7:04
	Downwind	0.015	8:35
	Background	0.009	7:44
9/27/2002	Upwind	N/A	N/A
	Downwind	N/A	N/A
	Background	N/A	N/A
9/30/2002	Upwind	0.019	8:36
	Downwind	0.021	8:21
	Background	0.013	7:50
<b>notification level</b>		<b>0.120</b>	
<b>action level</b>		<b>0.150</b>	

Notes:

N/A - Not available due to precipitation

--- - No reading due to technical difficulties with monitoring equipment

**Table 5 - Daily Water Column Turbidity Monitoring Results  
September 2002 Monthly Report**

**GE/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

Location	Date Collected	Estimated Flow (cfs)	Turbidity (ntu)		
			High	Low	Daily Average
Upstream of Lyman St. Bridge	9/16/2002	35	7.28*	6.75*	6.99*
Upstream of Elm St. Bridge	9/16/2002	35	9.97*	7.63*	8.93*
Upstream of Lyman St. Bridge	9/17/2002	22	5.81*	3.89*	4.54*
Upstream of Elm St. Bridge	9/17/2002	22	7.3*	4.98*	5.94*
Upstream of Lyman St. Bridge	9/18/2002	19	5.55*	4.32*	5.01*
Upstream of Elm St. Bridge	9/18/2002	19	6.84*	3.95*	5.01*
Upstream of Lyman St. Bridge	9/18/2002	19	15.8**	14.0**	15.3**
Upstream of Elm St. Bridge	9/18/2002	19	15.8**	13.8**	14.7**
Upstream of Lyman St. Bridge	9/19/2002	16	17.2**	16.0**	16.5**
Upstream of Elm St. Bridge	9/19/2002	16	17.3**	13.7**	15.1**
Upstream of Lyman St. Bridge	9/20/2002	14	16.3**	15.0**	15.7**
Upstream of Elm St. Bridge	9/20/2002	14	15.7**	14.0**	14.6**
Upstream of Lyman St. Bridge	9/23/2002	15	18.1**	17.8**	18.0**
Upstream of Elm St. Bridge	9/23/2002	15	17.2**	15.8**	16.3**
Upstream of Lyman St. Bridge	9/24/2002	14	---	---	---
Upstream of Elm St. Bridge	9/24/2002	14	21.6**	21.6**	21.6**
Upstream of Lyman St. Bridge	9/25/2002	14	---	---	---
Upstream of Elm St. Bridge	9/25/2002	14	---	---	---
Upstream of Lyman St. Bridge	9/26/2002	14	9.7**	6.8**	8.1**
Upstream of Elm St. Bridge	9/26/2002	14	11.7**	8.0**	9.4**
Upstream of Lyman St. Bridge	9/27/2002	21	35.6**	19.5**	25.1**
Upstream of Lyman St. Bridge	9/27/2002	21	24.4***	13.4***	17.4***
Upstream of Elm St. Bridge	9/27/2002	21	17.8***	8.2***	17.4***
Upstream of Lyman St. Bridge	9/30/2002	27	16.1**	16.0**	16.1**
Upstream of Lyman St. Bridge	9/30/2002	27	132.3***	7.3***	21.4***
Upstream of Elm St. Bridge	9/30/2002	27	2.0***	1.0***	1.4***

Notes:

**Turbidity Action Level - Downstream (Elm Street)  $\geq$  Upstream (Lyman Street) + 50 ntu**

--- - No reading due to technical difficulties with monitoring equipment

\* - Measurements collected using HF-Scientific DRT-15C Turbidimeter

\*\* - Measurements collected using YSI 6200 Data Acquisition System using 600 OMS sonde with a 6136 Turbidity Probe

\*\*\* - Measurements collected using a YSI 6820 sonde

cfs - Cubic feet per second

ntu - nephelometric turbidity units

Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.

**Table 6 - Summary of Turbidity, PCB, and TSS Water Column Monitoring Results  
September 2002 Monthly Report**

**GE/Housatonic River Project 1.5 Mile Removal Action  
Pittsfield, MA**

Location	Date	Estimated Flow (cfs)	Turbidity			Water Temp. (°C)	Calculated Flow Beginning (cfs)	Calculated Flow End (cfs)	Sample ID	Total PCB Concentration (ug/l)	Filtered PCB Concentration (ug/l)	TSS
			High	Low	Daily Average							
Upstream of Newell St. Bridge	9/26/2002	14	---	---	---	---	N/A	N/A	H0-SW000054-0-2S26	NR	NR	NR
Upstream of Lyman St. Bridge	9/26/2002	14	9.7	6.8	8.1	15.86	---	---	H1-SW000053-0-2S26	NR	NR	NR
Upstream of Elm St. Bridge	9/26/2002	14	11.7	8.0	9.4	15.64	---	---	---	---	---	---
Downstream of Pomeroy Ave. Bridge	9/26/2002	14	---	---	---	---	13.7	14.1	H2-SW000052-0-2S26	NR	NR	NR

Notes:

**PCB Action Level - Downstream (Pomeroy Avenue)  $\geq$  Upstream (Lyman Street) + 5 ug/L**

N/A - A rating curve is not yet established at the Newell Street Location, therefore, no flow can be calculated

NR - Not yet reported

cfs - Cubic feet per second

ntu - nephelometric turbidity units

--- - No data obtained

Flow data was obtained from the USGS Station 01197000 in Coltsville, MA at approximately midday.

The water column samples are a 9-hour composite samples.

Two flow values calculated, one at the beginning of the sampling event and one at the end of sampling event.

Temperature at Lyman and Elm measured YSI 600 oms system.