



GE  
159 Plastics Avenue  
Pittsfield, MA 01201  
USA

*Transmitted via Overnight Courier*

December 9, 2005

Mr. Dean Tagliaferro  
U.S. Environmental Protection Agency  
Region I – New England  
10 Lyman Street, Suite 2  
Pittsfield, MA 01201

Ms. Susan Steenstrup  
Bureau of Waste Site Cleanup  
Department of Environmental Protection  
436 Dwight Street  
Springfield, MA 01103

**Re: GE-Pittsfield/Housatonic River Site  
Monthly Status Report Pursuant to Consent Decree for November 2005 (GECD900)**

Dear Mr. Tagliaferro and Ms. Steenstrup:

Enclosed are copies of General Electric's (GE's) monthly progress report for November 2005 activities conducted by GE at the GE-Pittsfield/Housatonic River Site. This monthly report is submitted pursuant to Paragraph 67 of the Consent Decree (CD) for this Site, which was entered by the U.S. District Court on October 27, 2000.

The enclosed monthly report includes not only the activities conducted by GE under the CD, but also other activities conducted by GE at the GE-Pittsfield/Housatonic River Site (as defined in the CD). The report is formatted to apply to the various areas of the Site as defined in the CD, and to provide for each area, the information specified in Paragraph 67 of the CD. The activities conducted specifically pursuant to or in connection with the CD are marked with an asterisk. GE is submitting a separate monthly report to the Massachusetts Department of Environmental Protection (MDEP), with a copy to the United States Environmental Protection Agency (EPA), describing the activities conducted by GE at properties outside the CD Site pursuant to GE's November 2000 Administrative Consent Order from MDEP.

The enclosed monthly report includes, where applicable, tables that list the samples collected during the subject month, summarize the analytical results received during that month from sampling or other testing activities, and summarize other groundwater monitoring and oil recovery information obtained during that month. Also, enclosed for each of you (and for Weston) is a CD-ROM that contains these same tables of the analytical data and monitoring information in electronic form.

Please call Andrew Silfer or me if you have any questions.

Sincerely,

John F. Novotny, P.E.  
Manager - Facilities and Brownfields Programs

Enclosure

V:\GE\_Pittsfield\_General\_Confidential\Reports and Presentations\Monthly Reports\2005\11-05 CD Monthly-Draft\Letter.doc

cc: Robert Cianciarulo, EPA (cover letter only)  
Tim Conway, EPA (cover letter only)  
Sharon Hayes, EPA  
William Lovely, EPA (Items 7, 8, 9, 10, 11, 12, 16/17, 22, 23, and 25 only)  
Rose Howell, EPA (cover letter only)  
Holly Inglis, EPA (hard copy and CD-ROM of report)  
Susan Svirsky, EPA (Items 7, 15, and 20 only)  
K.C. Mitkevicius, USACE (CD-ROM of report)  
Thomas Angus, MDEP (cover letter only)  
Robert Bell, MDEP (cover letter only)  
Anna Symington, MDEP (cover letter only)  
Nancy E. Harper, MA AG  
Susan Peterson, CT DEP  
Field Supervisor, US FWS, DOI  
Kenneth Finkelstein, Ph.D., NOAA (Items 13, 14, and 15 only)  
Dale Young, MA EOE  
Mayor James Ruberto, City of Pittsfield  
Thomas Hickey, Director, Pittsfield Economic Development Authority  
Linda Palmieri, Weston (hard copy of report, CD-ROM of report, CD-ROM of data)  
Richard Nasman, P.E., Berkshire Gas (CD-ROM of report)  
Michael Carroll GE (CD-ROM of report)  
Andrew Silber, GE (cover letter only)  
Rod McLaren, GE (CD-ROM of report)  
James Nuss, BBL  
James Bieke, Goodwin Procter  
Jim Rhea, QEA (narrative only)  
Teresa Bowers, Gradient  
Public Information Repositories (1 hard copy, 5 copies of CD-ROM)  
GE Internal Repository (1 hard copy)

*(w/o separate CD-ROM, except where noted)*

***NOVEMBER 2005***

**MONTHLY STATUS REPORT  
PURSUANT TO CONSENT DECREE  
FOR  
GE-PITTSFIELD/HOUSATONIC RIVER  
SITE**

**GENERAL ELECTRIC COMPANY**



**PITTSFIELD, MASSACHUSETTS**

## **Background**

The General Electric Company (GE), the United States Environmental Protection Agency (EPA), the Massachusetts Department of Environmental Protection (MDEP), and other governmental entities have entered into a Consent Decree (CD) for the GE-Pittsfield/Housatonic River Site, which was entered by the U.S. Court on October 27, 2000. In accordance with Paragraph 67 of the CD, GE is submitting this monthly report, prepared on GE's behalf by Blasland, Bouck & Lee, Inc. (BBL), which summarizes the status of activities conducted by GE at the GE-Pittsfield/Housatonic River Site ("Site") (as defined in the CD).

This report covers activities in the areas listed below (as defined in the CD and/or the accompanying Statement of Work for Removal Actions Outside the River [SOW]). Only those areas that have had work activities for the month subject to reporting are included. The specific activities conducted pursuant to or in connection with the CD are noted with an asterisk.

### **General Activities (GECD900)**

#### **GE Plant Area (non-groundwater)**

1. 20s, 30s, 40s Complexes (GECD120)
2. East Street Area 2 – South (GECD150)
3. East Street Area 2 – North (GECD140)
4. East Street Area 1 – North (GECD130)
5. Hill 78 and Building 71 Consolidation Areas (GECD210/220)
6. Hill 78 Area – Remainder (GECD160)
7. Unkamet Brook Area (GECD170)

#### **Former Oxbow Areas (non-groundwater)**

8. Former Oxbow Areas A & C (GECD410)
9. Lyman Street Area (GECD430)
10. Newell Street Area I (GECD440)
11. Newell Street Area II (GECD450)
12. Former Oxbow Areas J & K (GECD420)

#### **Housatonic River**

13. Upper ½-Mile Reach (GECD800)
14. 1½-Mile Reach (only for activities, if any, conducted by GE) (GECD820)
15. Rest of the River (GECD850)

#### **Housatonic River Floodplain**

16. Current Residential Properties Adjacent to 1½-Mile Reach (Actual/Potential Lawns) (GECD710)
17. Non-Residential Properties Adjacent to 1½-Mile Reach (excluding banks) (GECD720)
18. Current Residential Properties Downstream of Confluence (Actual/Potential Lawns) (GECD730)

#### **Other Areas**

19. Allendale School Property (GECD500)
20. Silver Lake Area (GECD600)

**Groundwater Management Areas (GMAs)**

21. Plant Site 1 (GECD310)
22. Former Oxbows J & K (GECD320)
23. Plant Site 2 (GECD330)
24. Plant Site 3 (GECD340)
25. Former Oxbows A&C (GECD350)

**GENERAL ACTIVITIES  
GE-PITTSFIELD/HOUSATONIC RIVER SITE  
(GEC900)  
NOVEMBER 2005**

**a. Activities Undertaken/Completed**

Continued GE-EPA electronic data exchanges for the Housatonic River Watershed and Areas Outside the River.\*

**b. Sampling/Test Results Received**

- Sample results were received for routine sampling conducted pursuant to GE's NPDES Permit for the GE facility. Sampling records and results are provided in Attachment A to this report.
- NPDES Discharge Monitoring Reports (DMRs) for the period of October 1 through October 31, 2005, are provided in Attachment B to this report.
- GE received a report from Columbia Analytical Services, Inc. titled *NPDES Biomonitoring Report for November 2005*, which included analytical results for samples collected for NPDES-related whole effluent toxicity testing, as well as an attached report from Aquatec Biological Sciences providing the results of the whole effluent toxicity testing performed in November 2005. A copy of this document is provided in Attachment C.

**c. Work Plans/Reports/Documents Submitted**

None

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

- Continue NPDES sampling and monitoring activities.
- Attend public and Citizens Coordinating Council (CCC) meetings, as appropriate.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

**f. Proposed/Approved Work Plan Modifications**

None

**ITEM 1  
PLANT AREA  
20s, 30s, 40s COMPLEXES  
(GEC120)  
NOVEMBER 2005**

**a. Activities Undertaken/Completed**

- Continued demolition activities at Building 42.
- Conducted air monitoring for particulates and PCBs in connection with demolition activities in 40s Complex, as identified in Table 1-1.
- During the course of demolition of a portion of concrete floor slab in Building 42, fourth floor, observed that a small area (approximately 2 feet wide by 3 feet long) contained elemental mercury. The area was cleaned by ONYX Environmental Services on Friday, November 11, 2005, and the observations reported to EPA. The waste material will be disposed of off-site in accordance with applicable regulations. The concrete slab is part of a TSCA carve-out, and is subject to disposal at the Building 71 On-Plant Consolidation Area (OPCA).
- Conducted the annual ERE inspections of the 20s and 30s Complexes (November 18, 2005).\*

**b. Sampling/Test Results Received**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

None

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

- Continue demolition activities at Building 42.
- Submit ERE inspection reports for 20s and 30s Complexes.\*

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

**f. Proposed/Approved Work Plan Modifications**

None

**TABLE 1-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**20s, 30s, 40s COMPLEX  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	Background Location	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	Background Location	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	Background Location	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	Background Location	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/10/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05



**TABLE 1-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**20s, 30s, 40s COMPLEX  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/19/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/19/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/19/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/19/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/19/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/20/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/20/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/20/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/20/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	Background Location	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/30/05

**TABLE 1-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**20s, 30s, 40s COMPLEX  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	Background Location	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/25/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/25/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/25/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/25/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	Background Location	11/25/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/29/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/29/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/29/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/29/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	Background Location	11/29/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	Background Location	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
PCB Ambient Air Sampling	W3 - West of 40s Complex	11/17-18/05	Air	Berkshire Environmental	PCB	11/23/05
PCB Ambient Air Sampling	S2 - Woodlawn Avenue	11/17-18/05	Air	Berkshire Environmental	PCB	11/23/05
PCB Ambient Air Sampling	M2 - South of Bldg. 5	11/17-18/05	Air	Berkshire Environmental	PCB	11/23/05
PCB Ambient Air Sampling	MC3 - Near Bldg. 16 & 19	11/17-18/05	Air	Berkshire Environmental	PCB	11/23/05
PCB Ambient Air Sampling	MC3-CO-Colocated - near Bldgs. 16 & 19	11/17-18/05	Air	Berkshire Environmental	PCB	11/23/05
PCB Ambient Air Sampling	BK3-Background - East of Building 9B	11/17-18/05	Air	Berkshire Environmental	PCB	11/23/05

**TABLE 1-2  
 AMBIENT AIR PCB DATA RECEIVED DURING NOVEMBER 2005**

**40s COMPLEX DEMOLITION ACTIVITIES  
 20s, 30s, 40s COMPLEX  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Event Period	Date Analytical Results Received by BEC, Inc.	W3 - West of 40s Complex (µg/m3)	S2 - Woodlawn Avenue (µg/m3)	M2 - South of Bldg. 5 (µg/m3)	MC3 - Near Bldgs. 16 & 19 (µg/m3)	MC3-CO Colocated - Near Bldgs. 16 & 19 (µg/m3)	BK3-Background - East of Building 9B (µg/m3)
11/17 - 11/18/05	11/23/05	0.0017	NA <sup>1</sup>	0.0034	0.0011	0.0007	ND
Notification Level		0.05	0.05	0.05	0.05	0.05	0.05

Notes:

NA - Not Available.

ND - Non Detect (<0.0003).

<sup>1</sup> Sample not analyzed. Sample lost in the field due to monitor falling over during high winds.

**TABLE 1-3  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING NOVEMBER 2005**

**40s COMPLEX DEMOLITION ACTIVITIES  
 20s, 30s, 40s COMPLEX  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Date <sup>2</sup>	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	Background Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
11/01/05	W3 - West of 40s Complex	0.010	0.020*	11:15	SSW
	MC3 - Near Bldg. 16 & 19	0.026*		11:00	
	M2 - South of Bldg. 5	0.047*		10:45	
	S2 - Woodlawn Avenue	0.046		11:00	
11/02/05	W3 - West of 40s Complex	0.036	0.006*	8:00 <sup>3</sup>	WNW
	MC3 - Near Bldg. 16 & 19	0.004*		11:15	
	M2 - South of Bldg. 5	0.013*		11:15	
	S2 - Woodlawn Avenue	0.024		11:15	
11/03/05	W3 - West of 40s Complex	0.040	0.010*	11:15	SSW
	MC3 - Near Bldg. 16 & 19	0.021*		11:15	
	M2 - South of Bldg. 5	0.011*		11:15	
	S2 - Woodlawn Avenue	0.039		11:15	
11/04/05	W3 - West of 40s Complex	0.052	0.013*	10:45	Calm
	MC3 - Near Bldg. 16 & 19	0.029*		10:45	
	M2 - South of Bldg. 5	0.013*		10:45	
	S2 - Woodlawn Avenue	0.046		11:00	
11/07/05	W3 - West of 40s Complex	0.040	0.004*	10:30	WNW
	MC3 - Near Bldg. 16 & 19	0.004*		10:45	
	M2 - South of Bldg. 5	0.015*		10:15	
	S2 - Woodlawn Avenue	0.027		10:30	
11/08/05	W3 - West of 40s Complex	0.047	0.014*	11:00	WNW
	MC3 - Near Bldg. 16 & 19	0.022*		11:00	
	M2 - South of Bldg. 5	0.031*		11:00	
	S2 - Woodlawn Avenue	0.046 <sup>4</sup>		11:00 <sup>5</sup>	
11/09/05	W3 - West of 40s Complex	0.031	0.008*	6:30 <sup>6</sup>	Variable
	MC3 - Near Bldg. 16 & 19	0.013*		6:15 <sup>6</sup>	
	M2 - South of Bldg. 5	0.018*		6:15 <sup>6</sup>	
	S2 - Woodlawn Avenue	0.041		6:15 <sup>6</sup>	
11/10/05	W3 - West of 40s Complex	0.039	0.005*	10:45	WNW
	MC3 - Near Bldg. 16 & 19	0.004*		10:45	
	M2 - South of Bldg. 5	0.015*		10:45	
	S2 - Woodlawn Avenue	0.033		10:45	
11/14/05	W3 - West of 40s Complex	0.005	0.006*	10:45	WNW
	MC3 - Near Bldg. 16 & 19	0.010*		10:45	
	M2 - South of Bldg. 5	0.016*		10:45	
	S2 - Woodlawn Avenue	0.024		10:30	
11/17/05	W3 - West of 40s Complex	0.012	0.011*	11:00	WNW
	MC3 - Near Bldg. 16 & 19	0.010*		11:15	
	M2 - South of Bldg. 5	0.016*		11:00	
	S2 - Woodlawn Avenue	0.024		11:00	
11/18/05	W3 - West of 40s Complex	0.025	0.003*	10:45	WNW
	MC3 - Near Bldg. 16 & 19	0.004*		10:45	
	M2 - South of Bldg. 5	0.011*		10:45	
	S2 - Woodlawn Avenue	0.012		10:45	

**TABLE 1-3  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING NOVEMBER 2005**

**40s COMPLEX DEMOLITION ACTIVITIES  
 20s, 30s, 40s COMPLEX  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Date <sup>2</sup>	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	Background Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
11/19/05	W3 - West of 40s Complex	0.046	0.012*	8:45 <sup>7</sup>	WSW
	MC3 - Near Bldg. 16 & 19	0.022*		8:30 <sup>7</sup>	
	M2 - South of Bldg. 5	0.019*		8:30 <sup>7</sup>	
	S2 - Woodlawn Avenue	0.021		8:30 <sup>7</sup>	
11/20/05	W3 - West of 40s Complex	0.055	0.040*	3:15 <sup>7</sup>	Calm
	MC3 - Near Bldg. 16 & 19	0.071*		3:00 <sup>7</sup>	
	M2 - South of Bldg. 5	0.064*		3:00 <sup>7</sup>	
	S2 - Woodlawn Avenue	0.065		3:00 <sup>7</sup>	
11/21/05	W3 - West of 40s Complex	0.016	0.029*	10:45	Calm
	MC3 - Near Bldg. 16 & 19	0.043*		10:45	
	M2 - South of Bldg. 5	0.043*		10:45	
	S2 - Woodlawn Avenue	0.059		10:45	
11/25/05	W3 - West of 40s Complex	0.000	0.006*	10:15	WSW
	MC3 - Near Bldg. 16 & 19	0.009*		10:15	
	M2 - South of Bldg. 5	0.006*		10:15	
	S2 - Woodlawn Avenue	0.000		10:15	
11/29/05	W3 - West of 40s Complex	0.013 <sup>4</sup>	0.018*	7:30 <sup>5</sup>	Variable
	MC3 - Near Bldg. 16 & 19	0.019*		10:15	
	M2 - South of Bldg. 5	0.019*		10:15	
	S2 - Woodlawn Avenue	0.030 <sup>4</sup>		7:15 <sup>5</sup>	
11/30/05	W3 - West of 40s Complex	0.032	0.020*	7:15 <sup>6</sup>	WNW
	MC3 - Near Bldg. 16 & 19	0.028*		6:45 <sup>6</sup>	
	M2 - South of Bldg. 5	0.027*		7:00 <sup>6</sup>	
	S2 - Woodlawn Avenue	0.047		7:15 <sup>6</sup>	
Notification Level		0.120			

**Notes:**

\* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring station is located east of Building 9B, between 9B and New York Avenue.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

<sup>1</sup> Monitoring was performed only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

<sup>2</sup> The particulate monitors obtain real-time data. The sampling data were obtained by BEC on the sampling date.

<sup>3</sup> Sampling period was shortened due to equipment malfunction.

<sup>4</sup> Reading reflects average concentration manually recorded from the monitor at the end of the day. Unable to download data due to equipment failure.

<sup>5</sup> Estimated time of operation. Unable to download data due to equipment failure.

<sup>6</sup> Sampling period was shortened due to precipitation/threat of precipitation.

<sup>7</sup> Sampling period was shortened due to completion of site activities for the day.

**ITEM 2  
PLANT AREA  
EAST STREET AREA 2-SOUTH  
(GEC150)  
NOVEMBER 2005**

**a. Activities Undertaken/Completed**

- Conducted Liquid-Phase Carbon Absorption (LPCA) sampling at Building 64G, as identified in Table 2-1.
- Conducted inspection of the City Recreational Area (November 18, 2005).\*
- Continued development of Final Completion Report for City Recreational Area.\*
- Submitted Second Interim Letter Report regarding additional data needs (November 21, 2005).\*
- Initiated development of Conceptual Removal Design/Removal Action (RD/RA) Work Plan.\*

**b. Sampling/Test Results Received**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

None

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

- Continue routine process sampling at Buildings 64G and/or 64T.
- Submit Final Completion Report for City Recreational Area.\*
- Submit inspection report on fall 2005 inspection of City Recreational Area.\*
- If comments are received from EPA and MDEP on the draft ERE for City Recreational Area, discuss those comments with EPA and MDEP.\*
- Continue development of Conceptual RD/RA Work Plan (due to EPA by January 20, 2006).\*

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

**ITEM 2  
(cont'd)  
PLANT AREA  
EAST STREET AREA 2-SOUTH  
(GECD150)  
NOVEMBER 2005**

**f. Proposed/Approved Work Plan Modifications**

None

**TABLE 2-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**EAST STREET AREA 2 - SOUTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Building 64G LPCA Monitoring	K5-64G-01	11/8/05	Water	Columbia	VOC	11/18/05
Building 64G LPCA Monitoring	K5-64G-02	11/8/05	Water	Columbia	SVOC	11/18/05
Building 64G LPCA Monitoring	K5-64G-03	11/8/05	Water	SGS	PCB	11/14/05
Building 64G LPCA Monitoring	K5-64G-04	11/8/05	Water	Columbia	Oil & Grease	11/18/05
Building 64G LPCA Monitoring	K5-64G-05	11/8/05	Water	Columbia	VOC	11/18/05
Building 64G LPCA Monitoring	K5-64G-06	11/8/05	Water	Columbia	SVOC	11/18/05
Building 64G LPCA Monitoring	K5-64G-07	11/8/05	Water	SGS	PCB	11/14/05
Building 64G LPCA Monitoring	K5-64G-08	11/8/05	Water	Columbia	Oil & Grease	11/18/05
Building 64G LPCA Monitoring	K5-64G-09	11/8/05	Water	Columbia	VOC	11/18/05
Building 64G LPCA Monitoring	K5-64G-10	11/8/05	Water	Columbia	SVOC	11/18/05
Building 64G LPCA Monitoring	K5-64G-11	11/8/05	Water	SGS	PCB	11/14/05
Building 64G LPCA Monitoring	K5-64G-12	11/8/05	Water	Columbia	Oil & Grease	cancelled
Building 64G LPCA Monitoring	K5-64G-13	11/8/05	Water	Columbia	VOC	11/18/05
Building 64G LPCA Monitoring	K5-64G-14	11/8/05	Water	Columbia	SVOC	11/18/05
Building 64G LPCA Monitoring	K5-64G-15	11/8/05	Water	SGS	PCB	11/14/05
Building 64G LPCA Monitoring	K5-64G-16	11/8/05	Water	Columbia	Oil & Grease	cancelled
Building 64G LPCA Monitoring	K5-64G-17	11/14/05	Water	Columbia	Oil & Grease	
Building 64G LPCA Monitoring	K5-64G-18	11/14/05	Water	Columbia	Oil & Grease	
Building 64G LPCA Monitoring	K5-64G-19	11/22/05	Water	Columbia	VOC	



**TABLE 2-2  
DATA RECEIVED DURING NOVEMBER 2005**

**BUILDING 64G LPCA MONITORING  
EAST STREET AREA 2 - SOUTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	K5-64G-01 11/08/05	K5-64G-02 11/08/05	K5-64G-03 11/08/05	K5-64G-04 11/08/05	K5-64G-05 11/08/05	K5-64G-06 11/08/05	K5-64G-07 11/08/05
<b>Volatile Organics</b>								
1,1,1-Trichloroethane		0.0030	NA	NA	NA	0.0029	NA	NA
1,1-Dichloroethane		0.0023	NA	NA	NA	0.0028	NA	NA
Benzene		0.039	NA	NA	NA	ND(0.00021)	NA	NA
Chlorobenzene		0.16	NA	NA	NA	0.00067	NA	NA
Chloroethane		0.0017	NA	NA	NA	0.0016	NA	NA
Chloroform		0.00039	NA	NA	NA	0.00076	NA	NA
Ethylbenzene		0.043	NA	NA	NA	ND(0.00035)	NA	NA
Toluene		0.0024	NA	NA	NA	ND(0.00028)	NA	NA
trans-1,2-Dichloroethene		0.00032	NA	NA	NA	ND(0.00022)	NA	NA
Trichloroethene		0.00079	NA	NA	NA	0.00066	NA	NA
Vinyl Chloride		0.0058	NA	NA	NA	0.0027	NA	NA
<b>PCBs-Unfiltered</b>								
Aroclor-1254		NA	NA	0.000067	NA	NA	NA	ND(0.000065)
Total PCBs		NA	NA	0.000067	NA	NA	NA	ND(0.000065)
<b>Semivolatile Organics</b>								
1,4-Dichlorobenzene		NA	0.0064	NA	NA	NA	ND(0.0047)	NA
Acenaphthene		NA	0.027	NA	NA	NA	ND(0.0047)	NA
<b>Conventionals</b>								
Oil & Grease		NA	NA	NA	ND(5.0)	NA	NA	NA

**TABLE 2-2  
DATA RECEIVED DURING NOVEMBER 2005**

**BUILDING 64G LPCA MONITORING  
EAST STREET AREA 2 - SOUTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	K5-64G-08 11/08/05	K5-64G-09 11/08/05	K5-64G-10 11/08/05	K5-64G-11 11/08/05	K5-64G-13 11/08/05	K5-64G-14 11/08/05	K5-64G-15 11/08/05
<b>Volatiles Organics</b>								
1,1,1-Trichloroethane		NA	0.0029	NA	NA	0.0028	NA	NA
1,1-Dichloroethane		NA	0.0032	NA	NA	0.0033	NA	NA
Benzene		NA	ND(0.00021)	NA	NA	ND(0.00021)	NA	NA
Chlorobenzene		NA	ND(0.00022)	NA	NA	ND(0.00022)	NA	NA
Chloroethane		NA	0.0015	NA	NA	0.0013	NA	NA
Chloroform		NA	0.0011	NA	NA	0.0012	NA	NA
Ethylbenzene		NA	ND(0.00035)	NA	NA	ND(0.00035)	NA	NA
Toluene		NA	ND(0.00028)	NA	NA	ND(0.00028)	NA	NA
trans-1,2-Dichloroethene		NA	ND(0.00022)	NA	NA	ND(0.00022)	NA	NA
Trichloroethene		NA	ND(0.00040)	NA	NA	ND(0.00040)	NA	NA
Vinyl Chloride		NA	0.0016	NA	NA	0.00069	NA	NA
<b>PCBs-Unfiltered</b>								
Aroclor-1254		NA	NA	NA	ND(0.000065)	NA	NA	ND(0.000065)
Total PCBs		NA	NA	NA	ND(0.000065)	NA	NA	ND(0.000065)
<b>Semivolatile Organics</b>								
1,4-Dichlorobenzene		NA	NA	ND(0.0050)	NA	NA	ND(0.0050)	NA
Acenaphthene		NA	NA	ND(0.0050)	NA	NA	ND(0.0050)	NA
<b>Conventionals</b>								
Oil & Grease		ND(5.0)	NA	NA	NA	NA	NA	NA

**Notes:**

1. Samples were collected by General Electric Company and submitted to Columbia Analytical Services, Inc. and SGS Environmental Services, Inc. for analysis of volatiles, PCBs, semivolatiles, and oil & grease.
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. With the exception of conventional parameters only those constituents detected in one or more samples are summarized.

**ITEM 3  
PLANT AREA  
EAST STREET AREA 2-NORTH  
(GEC140)  
NOVEMBER 2005**

**a. Activities Undertaken/Completed**

- Initiated demolition activities at Buildings 15, 15A, 15B, and 15W.
- Conducted air monitoring for particulate matter in connection with above-mentioned demolition activities, as identified in Table 3-1.
- Conducted sampling of oil from equipment in Building 15 and acetone/hexane from drums in Building 78, as identified in Table 3-1.
- Conducted sampling of microfilm from Building 16, as identified in Table 3-1.
- Conducted equipment draining and dismantling activities at Building 100 Annex.
- Collected and tankered approximately 52,500 gallons of groundwater from Building 9 to Building 64G for treatment.
- Collected and tankered approximately 1,250 gallons of groundwater from Building 15 to Building 64G for treatment.

**b. Sampling/Test Results Received**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

None

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

- Initiate demolition of Buildings 1, 2, 3, and 3B and associated annexes (Buildings 1A and 100 Annex) per EPA's November 21, 2005 approval of GE's plans for demolition of those buildings and consolidation of certain building demolition debris at the OPCAs, as those plans related to the above-grade portions of these buildings.
- Following receipt of EPA approval of GE's October 7, 2005 *Supplement to Conceptual RD/RA Work Plan and Proposal for Additional Investigations* (Conceptual Work Plan Supplement) conduct the additional investigations and evaluations described therein and begin development of an Addendum to the Conceptual RD/RA Work Plan to present the results.\*

**ITEM 3  
(cont'd)  
PLANT AREA  
EAST STREET AREA 2-NORTH  
(GECD140)  
NOVEMBER 2005**

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

- GE has proposed to EPA that additional technical discussions be conducted regarding the below-grade portions of Buildings 1, 2, 3 and 3B.
- The Final RD/RA Work Plan for this area was previously due on January 13, 2006. However, given the need for additional investigations as described in the Conceptual Work Plan Supplement, GE will propose a revised schedule for submission of the Final RD/RA Work Plan in the above-mentioned Addendum to the Conceptual RD/RA Work Plan.\*

**f. Proposed/Approved Work Plan Modifications**

Received EPA verbal approval of GE's September 22, 2005 letter to EPA (which provided notice of GE's demolition plans for Buildings 1, 2, 3, 3B, 15, 15A, 15B, and 15W and its proposed plans for consolidation of certain debris from those demolition activities at the OPCAs) as that letter pertained to the above-grade portions of Buildings 1, 2, 3, and 3B and associated annexes (Buildings 1A and 100 Annex) (November 21, 2005). (That letter had previously been approved as it related to Buildings 15, 15A, 15B, and 15W.)

**TABLE 3-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**EAST STREET AREA 2 - NORTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Building 15 Oil Sampling	15-1-10-OIL-1	10/31/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	15-1-13-OIL-1	10/31/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	15-1-15-OIL-1	10/31/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	15-1-3-OIL-1	10/31/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	15-1-6-OIL-1	10/31/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1101-OIL-1	10/31/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1102-OIL-1	10/31/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1104-OIL-1	10/31/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1105-OIL-1	10/31/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1109-OIL-1	10/31/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1110-OIL-1	10/31/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1112-OIL-1	10/31/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1115-OIL-1	10/31/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1117-OIL-1	11/2/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1119-OIL-1	10/31/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1120-OIL-1	11/2/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1262-OIL-1	11/2/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1263-OIL-1	10/31/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1265-OIL-1	11/2/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1266-OIL-1	11/2/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1268-OIL-1	11/2/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1270-OIL-1	11/2/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1272-OIL-1	11/2/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1275-OIL-1	11/2/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1276-OIL-1	11/2/05	Oil	SGS	PCB	11/14/05
Building 15 Oil Sampling	C1277-OIL-1	11/2/05	Oil	SGS	PCB	11/14/05
Building 16 Micro Film Sampling	ROLL1128-MICRO-W1	11/28/05	Wipe	SGS	PCB	
Building 78 - Acetone/Hexane Drum Sampling	F1885-1	11/30/05	Water	SGS	PCB	
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	M5 - Near Bldg. 17-C	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	M5 - Near Bldg. 17-C	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	M5 - Near Bldg. 17-C	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05

**TABLE 3-1**  
**DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**  
**EAST STREET AREA 2 - NORTH**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	Background Location	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	M5 - Near Bldg. 17-C	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	11/29/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	M5 - Near Bldg. 17-C	11/29/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/29/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	Background Location	11/29/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	M5 - Near Bldg. 17-C	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	Background Location	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05

**TABLE 3-2  
PCB DATA RECEIVED DURING NOVEMBER 2005**

**BUILDING 15 OIL SAMPLING  
EAST STREET AREA 2 - NORTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
15-1-3-OIL-1	10/31/2005	ND(1.0)	1.3	ND(1.0)	1.3
15-1-6-OIL-1	10/31/2005	ND(1.0)	ND(1.0)	32	32
15-1-10-OIL-1	10/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
15-1-13-OIL-1	10/31/2005	ND(1.0)	1.2	ND(1.0)	1.2
15-1-15-OIL-1	10/31/2005	ND(1.0)	2.4	ND(1.0)	2.4
C1101-OIL-1	10/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1102-OIL-1	10/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1104-OIL-1	10/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1105-OIL-1	10/31/2005	ND(1.0)	6.9	ND(1.0)	6.9
C1109-OIL-1	10/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1110-OIL-1	10/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1112-OIL-1	10/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1115-OIL-1	10/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1117-OIL-1	11/2/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1119-OIL-1	10/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1120-OIL-1	11/2/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1262-OIL-1	11/2/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1263-OIL-1	10/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1265-OIL-1	11/2/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1266-OIL-1	11/2/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1268-OIL-1	11/2/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1270-OIL-1	11/2/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1272-OIL-1	11/2/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1275-OIL-1	11/2/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1276-OIL-1	11/2/2005	ND(1.0)	ND(1.0)	ND(1.0)	0.76 J
C1277-OIL-1	11/2/2005	ND(1.0)	ND(1.0)	1.2	1.2

Notes:

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

Data Qualifiers:

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

**TABLE 3-3  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING NOVEMBER 2005**

**PARTICULATE AMBIENT AIR CONCENTRATIONS  
 15s COMPLEX DEMOLITION ACTIVITIES  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Date <sup>2</sup>	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	Background Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
11/14/05	M4 - South of Bldg. 15	0.005	0.006*	4:15 <sup>3</sup>	WNW
	M5 - Near Bldg. 17-C	0.005		4:45 <sup>3</sup>	
	MC3 - Near Bldg. 16 & 19	0.010*		10:45	
11/17/05	M4 - South of Bldg. 15	0.021	0.011*	11:30	WNW
	M5 - Near Bldg. 17-C	0.024		4:00 <sup>4</sup>	
	MC3 - Near Bldg. 16 & 19	0.010*		11:15	
11/18/05	M4 - South of Bldg. 15	0.012	0.003*	10:45	WNW
	M5 - Near Bldg. 17-C	0.015		10:45	
	MC3 - Near Bldg. 16 & 19	0.004*		10:45	
11/21/05	M4 - South of Bldg. 15	0.050	0.029*	10:45	Calm
	M5 - Near Bldg. 17-C	0.078		10:45	
	MC3 - Near Bldg. 16 & 19	0.043*		10:45	
11/29/05	M4 - South of Bldg. 15	0.022	0.018*	10:30	Variable
	M5 - Near Bldg. 17-C	0.012		10:30	
	MC3 - Near Bldg. 16 & 19	0.019*		10:15	
11/30/05	M4 - South of Bldg. 15	0.038	0.020*	7:00 <sup>5</sup>	WNW
	M5 - Near Bldg. 17-C	0.035		7:00 <sup>5</sup>	
	MC3 - Near Bldg. 16 & 19	0.028*		6:45 <sup>5</sup>	
Notification Level		0.120			

**Notes:**

\* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring station is located east of Building 9B, between 9B and New York Avenue.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

<sup>1</sup> Monitoring was performed only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

<sup>2</sup> The particulate monitors obtain real-time data. The sampling data were obtained by BEC on the sampling date.

<sup>3</sup> Sampling period was shortened due to mid-day notification of project start-up.

<sup>4</sup> Sampling period was shortened due to instrument malfunction (dead battery).

<sup>5</sup> Sampling period was shortened due to precipitation/threat of precipitation.



**ITEM 5  
PLANT AREA  
HILL 78 & BUILDING 71 CONSOLIDATION AREAS  
(GEC210/220)  
NOVEMBER 2005**

\* All activities described below for this item were conducted pursuant to the Consent Decree.

**a. Activities Undertaken/Completed**

- Substantially completed construction of the Building 71 OPCA final cover system for Cell 1 and a portion of Cell 2.
- Conducted ambient air monitoring for particulates and PCBs, as identified in Table 5-1.
- Continued transfer of leachate from Building 71 OPCA to Building 64G for treatment. The total amount transferred in November 2005 was 162,500 gallons (see Table 5-5).
- Transferred to the OPCAs soils and sediments from EPA's removal activities in the 1½ Mile Reach; excavated soils and materials from removal activities at Newell Street Area I, Newell Street Area II, and the 1½ Mile Floodplain Properties; demolition debris from Buildings 15 and 42; and various facility-related materials.
- Agreed to a number of enhancements related to the monitoring and dust control measures for the OPCAs (in addition to the enhancements listed in the monthly status report for October). Those additional enhancements included:
  - Re-locating one air monitoring station (with a monitor and co-located monitor) to be more directly between the OPCAs and Allendale School, effective November 22, 2005 (see Tables 5-3 and 5-4);
  - Upgrading a particulate matter monitor;
  - Modifying the OPCA trucking route (with EPA approval) so that the Tyler Street Extension is used as a "one way" road.

**b. Sampling/Test Results Received**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

None

**ITEM 5  
(cont'd)  
PLANT AREA  
HILL 78 & BUILDING 71 CONSOLIDATION AREAS  
(GECD210/220)  
NOVEMBER 2005**

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

- Continue transfer to the OPCAs of building demolition debris from various ongoing demolition projects, soils and sediments from EPA's removal activities in the 1½ Mile Reach, and excavated soils and materials from Newell Street Areas I and II and the 1½ Mile Floodplain Properties.
- If appropriate, implement additional enhancements relating to OPCA operations, based on discussions with EPA and MDEP.
- Submit a proposed revised footprint for the Hill 78 OPCA, proposing a modification of the boundaries of that OPCA.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

GE is continuing to discuss with EPA and MDEP additional enhancements relating to OPCA operations.

**f. Proposed/Approved Work Plan Modifications**

None

**TABLE 5-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	North of OPCAs	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	West of OPCAs	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	North of OPCAs	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	West of OPCAs	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	North of OPCAs	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	West of OPCAs	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	North of OPCAs	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	West of OPCAs	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	North of OPCAs	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	West of OPCAs	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	North of OPCAs	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	West of OPCAs	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	North of OPCAs	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05

**TABLE 5-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	West of OPCAs	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	North of OPCAs	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	West of OPCAs	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	North of OPCAs	11/11/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/11/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/11/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	West of OPCAs	11/11/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/11/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	North of OPCAs	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	West of OPCAs	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	North of OPCAs	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	West of OPCAs	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	North of OPCAs	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	West of OPCAs	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	North of OPCAs	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	West of OPCAs	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	Background Location	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	North of OPCAs	11/25/05	Air	Berkshire Environmental	Particulate Matter	12/5/05

**TABLE 5-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/25/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/25/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/25/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	West of OPCAs	11/25/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	Background Location	11/25/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	North of OPCAs	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	West of OPCAs	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	Background Location	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
PCB Ambient Air Sampling	Southwest of OPCAs	10/27-28/05	Air	Berkshire Environmental	PCB	11/4/05
PCB Ambient Air Sampling	Southwest of OPCAs Co-located	10/27-28/05	Air	Berkshire Environmental	PCB	11/4/05
PCB Ambient Air Sampling	West of OPCAs	10/27-28/05	Air	Berkshire Environmental	PCB	11/4/05
PCB Ambient Air Sampling	North of OPCAs	10/27-28/05	Air	Berkshire Environmental	PCB	11/4/05
PCB Ambient Air Sampling	Southeast of OPCAs	10/27-28/05	Air	Berkshire Environmental	PCB	11/4/05
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	10/27-28/05	Air	Berkshire Environmental	PCB	11/4/05
PCB Ambient Air Sampling	Background East of Building 9B	10/27-28/05	Air	Berkshire Environmental	PCB	11/4/05
PCB Ambient Air Sampling	Field Blank	11/01-02/05	Air	Berkshire Environmental	PCB	11/7/05
PCB Ambient Air Sampling	Southwest of OPCAs	11/01-02/05	Air	Berkshire Environmental	PCB	11/7/05
PCB Ambient Air Sampling	Southwest of OPCAs Co-located	11/01-02/05	Air	Berkshire Environmental	PCB	11/7/05
PCB Ambient Air Sampling	West of OPCAs	11/01-02/05	Air	Berkshire Environmental	PCB	11/7/05
PCB Ambient Air Sampling	North of OPCAs	11/01-02/05	Air	Berkshire Environmental	PCB	11/7/05
PCB Ambient Air Sampling	Southeast of OPCAs	11/01-02/05	Air	Berkshire Environmental	PCB	11/7/05
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	11/01-02/05	Air	Berkshire Environmental	PCB	11/7/05
PCB Ambient Air Sampling	Background East of Building 9B	11/01-02/05	Air	Berkshire Environmental	PCB	11/7/05
PCB Ambient Air Sampling	Field Blank	11/08-09/05	Air	Berkshire Environmental	PCB	11/14/05
PCB Ambient Air Sampling	Southwest of OPCAs	11/08-09/05	Air	Berkshire Environmental	PCB	11/14/05
PCB Ambient Air Sampling	Southwest of OPCAs Co-located	11/08-09/05	Air	Berkshire Environmental	PCB	11/14/05
PCB Ambient Air Sampling	West of OPCAs	11/08-09/05	Air	Berkshire Environmental	PCB	11/14/05
PCB Ambient Air Sampling	North of OPCAs	11/08-09/05	Air	Berkshire Environmental	PCB	11/14/05
PCB Ambient Air Sampling	Southeast of OPCAs	11/08-09/05	Air	Berkshire Environmental	PCB	11/14/05
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	11/08-09/05	Air	Berkshire Environmental	PCB	11/14/05
PCB Ambient Air Sampling	Background East of Building 9B	11/08-09/05	Air	Berkshire Environmental	PCB	11/14/05
PCB Ambient Air Sampling	Field Blank	11/17-18/05	Air	Berkshire Environmental	PCB	11/23/05
PCB Ambient Air Sampling	Southwest of OPCAs	11/17-18/05	Air	Berkshire Environmental	PCB	11/23/05
PCB Ambient Air Sampling	Southwest of OPCAs Co-located	11/17-18/05	Air	Berkshire Environmental	PCB	11/23/05
PCB Ambient Air Sampling	West of OPCAs	11/17-18/05	Air	Berkshire Environmental	PCB	11/23/05
PCB Ambient Air Sampling	North of OPCAs	11/17-18/05	Air	Berkshire Environmental	PCB	11/23/05

**TABLE 5-1**  
**DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**  
**HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
PCB Ambient Air Sampling	Southeast of OPCAs	11/17-18/05	Air	Berkshire Environmental	PCB	11/23/05
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	11/17-18/05	Air	Berkshire Environmental	PCB	11/23/05
PCB Ambient Air Sampling	Background East of Building 9B	11/17-18/05	Air	Berkshire Environmental	PCB	11/23/05
PCB Ambient Air Sampling	Field Blank	11/22-23/05	Air	Berkshire Environmental	PCB	11/30/05
PCB Ambient Air Sampling	Northwest of OPCAs	11/22-23/05	Air	Berkshire Environmental	PCB	11/30/05
PCB Ambient Air Sampling	Northwest of OPCAs colocated	11/22-23/05	Air	Berkshire Environmental	PCB	11/30/05
PCB Ambient Air Sampling	West of OPCAs	11/22-23/05	Air	Berkshire Environmental	PCB	11/30/05
PCB Ambient Air Sampling	North of OPCAs	11/22-23/05	Air	Berkshire Environmental	PCB	11/30/05
PCB Ambient Air Sampling	Southeast of OPCAs	11/22-23/05	Air	Berkshire Environmental	PCB	11/30/05
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	11/22-23/05	Air	Berkshire Environmental	PCB	11/30/05
PCB Ambient Air Sampling	Background East of Building 9B	11/22-23/05	Air	Berkshire Environmental	PCB	11/30/05

**TABLE 5-2  
 AMBIENT AIR PCB DATA RECEIVED DURING NOVEMBER 2005**

**PCB AMBIENT AIR CONCENTRATIONS  
 HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Event Period	Date Analytical Results Received by BEC, Inc.	Southwest of OPCAs ( $\mu\text{g}/\text{m}^3$ )	Southwest of OPCAs colocated ( $\mu\text{g}/\text{m}^3$ )	West of OPCAs ( $\mu\text{g}/\text{m}^3$ )	North of OPCAs ( $\mu\text{g}/\text{m}^3$ )	Southeast of OPCAs ( $\mu\text{g}/\text{m}^3$ )	Pittsfield Generating (PGE) ( $\mu\text{g}/\text{m}^3$ )	Background East of Building 9B ( $\mu\text{g}/\text{m}^3$ )
10/27 - 10/28/05	11/04/05	0.0008	0.0010	0.0021	0.0011	0.0137 <sup>1</sup>	0.0061	0.0019
Notification Level		0.05	0.05	0.05	0.05	0.05	0.05	0.05

Note:

<sup>1</sup> The associated surrogate recoveries were outside of the control limits. The sample results are considered usable.

**TABLE 5-3  
 AMBIENT AIR PCB DATA RECEIVED DURING NOVEMBER 2005**

**PCB AMBIENT AIR CONCENTRATIONS  
 HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Event Period	Date Analytical Results Received by BEC, Inc.	Field Blank (µg/m <sup>3</sup> )	Northwest of OPCAs (µg/m <sup>3</sup> )	Northwest of OPCAs colocated (µg/m <sup>3</sup> )	Southwest of OPCAs (µg/m <sup>3</sup> )	Southwest of OPCAs colocated (µg/m <sup>3</sup> )	West of OPCAs (µg/m <sup>3</sup> )	North of OPCAs (µg/m <sup>3</sup> )	Southeast of OPCAs (µg/m <sup>3</sup> )	Pittsfield Generating (PGE) (µg/m <sup>3</sup> )	Background East of Building 9B (µg/m <sup>3</sup> )
11/01 - 11/02/05	11/07/05	ND	-----	-----	0.0013	0.0019	0.0016	0.0111	0.0026	0.0090	ND
11/08 - 11/09/05	11/14/05	ND	-----	-----	0.0015	0.0012	0.0012	0.0011	0.0034	0.0103	0.0007
11/17 - 11/18/05	11/23/05	ND	-----	-----	ND	ND	0.0008	ND	0.0014	0.0040	ND
11/22 - 11/23/05	11/29/05	ND	0.0009 <sup>1</sup>	0.0008 <sup>1</sup>	-----	-----	ND	0.0003	0.0009	0.0031	ND
Notification Level		0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05

Notes:  
 ND - Non-Detect (<0.0003).  
<sup>1</sup> Data are reported for informational purposes only. Sample did not meet the QA/QC criteria of 24 hours ± 30 minutes due to a power supply interruption from the generator.



**TABLE 5-4  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING NOVEMBER 2005**

**PARTICULATE AMBIENT AIR CONCENTRATIONS  
 HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Date <sup>2</sup>	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	Background Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
11/01/05	North of OPCAs	0.045	0.020*	11:00	SSW
	Pittsfield Generating Co.	0.023*		11:00	
	Southeast of OPCAs	0.027		11:00	
	Southwest of OPCAs	0.038*		10:30	
	West of OPCAs	0.031		11:00	
11/02/05	North of OPCAs	0.017	0.006*	10:00	WNW
	Pittsfield Generating Co.	0.009*		10:00	
	Southeast of OPCAs	0.003		10:00	
	Southwest of OPCAs	0.007*		10:00	
	West of OPCAs	0.007		10:30	
11/03/05	North of OPCAs	0.038	0.010*	11:00	SSW
	Pittsfield Generating Co.	0.014*		11:00	
	Southeast of OPCAs	0.014		11:15	
	Southwest of OPCAs	0.025*		11:00	
	West of OPCAs	0.019		11:00	
11/04/05	North of OPCAs	0.036	0.013*	11:00	Calm
	Pittsfield Generating Co.	0.016*		11:00	
	Southeast of OPCAs	0.021		11:00	
	Southwest of OPCAs	0.031*		10:45	
	West of OPCAs	0.025		11:00	
11/07/05	North of OPCAs	0.024	0.004*	10:45	WNW
	Pittsfield Generating Co.	0.008*		10:45	
	Southeast of OPCAs	0.007		10:45	
	Southwest of OPCAs	0.006*		10:00	
	West of OPCAs	0.007		10:45	
11/08/05	North of OPCAs	0.040	0.014*	11:00	WNW
	Pittsfield Generating Co.	0.023*		11:00	
	Southeast of OPCAs	0.022		11:00	
	Southwest of OPCAs	0.026*		11:00	
	West of OPCAs	0.021		11:00	
11/09/05	North of OPCAs	0.040	0.008*	6:15 <sup>3</sup>	Variable
	Pittsfield Generating Co.	0.014*		6:00 <sup>3</sup>	
	Southeast of OPCAs	0.019		6:15 <sup>3</sup>	
	Southwest of OPCAs	0.023*		6:15 <sup>3</sup>	
	West of OPCAs	0.020		6:15 <sup>3</sup>	
11/10/05	North of OPCAs	0.028	0.005*	10:45	WNW
	Pittsfield Generating Co.	0.007*		10:45	
	Southeast of OPCAs	0.010		10:45	
	Southwest of OPCAs	0.005*		10:45	
	West of OPCAs	0.009		10:45	
11/11/05	North of OPCAs	0.021	0.003*	10:00	WNW
	Pittsfield Generating Co.	NA <sup>4</sup>		NA <sup>4</sup>	
	Southeast of OPCAs	0.013		10:00	
	Southwest of OPCAs	0.005*		10:00	
	West of OPCAs	0.007		10:00	
11/14/05	North of OPCAs	0.027	0.006*	10:45	WNW
	Pittsfield Generating Co.	0.010*		10:45	
	Southeast of OPCAs	0.010		10:45	
	Southwest of OPCAs	0.006*		10:45	
	West of OPCAs	0.009		11:00	

**TABLE 5-4  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING NOVEMBER 2005<sup>4</sup>**

**PARTICULATE AMBIENT AIR CONCENTRATIONS  
 HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Date <sup>2</sup>	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	Background Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
11/17/05	North of OPCAs	0.032	0.011*	11:30	WNW
	Pittsfield Generating Co.	0.022*		10:15	
	Southeast of OPCAs	0.014		11:30	
	Southwest of OPCAs	0.017*		11:15	
	West of OPCAs	0.012		11:30	
11/18/05	North of OPCAs	0.017	0.003*	10:45	WNW
	Pittsfield Generating Co.	0.015*		8:30 <sup>5</sup>	
	Southeast of OPCAs	0.009		10:45	
	Southwest of OPCAs	0.002*		10:45	
	West of OPCAs	0.004		11:00	
11/21/05	North of OPCAs	0.030	0.029*	10:45	Calm
	Pittsfield Generating Co.	0.024*		8:45 <sup>6</sup>	
	Southeast of OPCAs	0.031		10:45	
	Southwest of OPCAs	0.049*		10:45	
	West of OPCAs	0.033		10:45	
11/29/05 <sup>7</sup>	North of OPCAs	0.007*	0.018*	7:30 <sup>6</sup>	Variable
	Pittsfield Generating Co.	0.025		10:30	
	Southeast of OPCAs	0.038 <sup>8</sup>		7:30 <sup>9</sup>	
	Northwest of OPCAs	0.011* <sup>8</sup>		10:30 <sup>9</sup>	
	West of OPCAs	0.018*		9:45	
11/30/05	North of OPCAs	0.016*	0.020*	6:45 <sup>3</sup>	WNW
	Pittsfield Generating Co.	0.046		6:45 <sup>3</sup>	
	Southeast of OPCAs	0.048		6:45 <sup>3</sup>	
	Northwest of OPCAs	0.017* <sup>8</sup>		6:45 <sup>3,9</sup>	
	West of OPCAs	0.039*		6:30 <sup>3</sup>	
Notification Level		0.120			

**Notes:**

NA - Not Available

\* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring station is located east of Building 9B, between Building 9B and New York Avenue.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

<sup>1</sup> Monitoring was performed only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

<sup>2</sup> The particulate monitors obtain real-time data. The sampling data were obtained by BEC on the sampling date.

<sup>3</sup> Sampling period was shortened due to precipitation/threat of precipitation.

<sup>4</sup> Sampling data are not available due to instrument malfunction.

<sup>5</sup> Sampling period was shortened due to equipment re-calibration.

<sup>6</sup> Sampling period was shortened due to instrument malfunction.

<sup>7</sup> On November 22, the southwest monitoring station was eliminated. A new monitoring station was located to the Northwest of the OPCAs.

<sup>8</sup> Reading reflects average concentration manually recorded from the monitor at the end of the day. Unable to download data due to equipment failure.

<sup>9</sup> Estimated time of operation. Unable to download data due to equipment failure.

**TABLE 5-5**  
**BUILDING 71 CONSOLIDATION AREA LEACHATE TRANSFER SUMMARY**  
**PLANT AREA - HILL 78 & BUILDING 71 CONSOLIDATION AREAS**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**November 2005**

Month / Year	Total Volume of Leachate Transferred (Gallons)
November 2004	138,000
December 2004	146,000
January 2005	136,000
February 2005	116,500
March 2005	174,500
April 2005	192,000
May 2005	89,500
June 2005	130,000
July 2005	127,500
August 2005	55,000
September 2005	55,000
October 2005	378,000
November 2005	162,500

Leachate is transferred from the Building 71 On-Plant Consolidation Area to Building 64G for treatment.

**ITEM 6  
PLANT AREA  
HILL 78 AREA - REMAINDER  
(GEC160  
NOVEMBER 2005**

**a. Activities Undertaken/Completed**

None

**b. Sampling/Test Results Received**

None

**c. Work Plans/Reports/Documents Submitted**

None

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

- Following EPA approval of the Pre-Design Investigation Report (submitted on September 7, 2005), perform the additional soil sampling activities proposed therein.\*
- Perform topography and boundary survey of Hill 78 Area-Remainder.\*

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

A proposed video inspection of the storm sewer beneath Hill 78 has been deferred to spring 2006 due to weather constraints.

**f. Proposed/Approved Work Plan Modifications**

None

**ITEM 7  
PLANT AREA  
UNKAMET BROOK AREA  
(GECD170)  
NOVEMBER 2005**

**a. Activities Undertaken/Completed**

None

**b. Sampling/Test Results Received**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

Submitted Addendum to Pre-Design Investigation Report, proposing additional sampling at Parcel K11-7-8 (November 2, 2005).\*

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

Following EPA approval of the Pre-Design Investigation Report (submitted on September 6, 2005) and the November 2, 2005 Addendum, perform the additional soil sampling activities proposed therein.\*

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

**f. Proposed/Approved Work Plan Modifications**

In a letter dated August 15, 2005, GE proposed to remove Parcel L12-1-2 from the Unkamet Brook Area RAA. That proposal is pending approval from EPA.\*

**TABLE 7-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Pittsfield Sand & Gravel Top Soil Sampling for Future Cover GE Advanced Materials Site 1	PSG-TOPSOIL-C1	10/28/05	Soil	SGS	PCB, VOC, SVOC, Metals	11/3/05

**TABLE 7-2  
DATA RECEIVED DURING NOVEMBER 2005**

**PITTSFIELD SAND & GRAVEL TOP SOIL SAMPLING FOR FUTURE COVER GE ADVANCED MATERIALS SITE 1  
UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

<b>Parameter</b>	<b>Sample ID: Date Collected:</b>	<b>PSG-TOPSOIL-C1 10/28/05</b>
<b>Volatile Organics</b>		
None Detected		--
<b>PCBs</b>		
None Detected		--
<b>Semivolatile Organics</b>		
None Detected		--
<b>Inorganics</b>		
Arsenic		6.00
Barium		44.0
Beryllium		0.510
Cadmium		0.130 B
Chromium		12.0
Cobalt		11.0
Copper		15.0
Lead		17.0
Mercury		0.0420 B
Nickel		16.0
Selenium		1.40
Thallium		1.20 B
Tin		2.60 B
Vanadium		15.0
Zinc		130

Notes:

1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of volatiles, PCBs, semivolatiles, and metals.
2. Only detected constituents are summarized.
3. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Inorganics

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

**ITEM 8  
FORMER OXBOW AREAS A & C  
(GEC410)  
NOVEMBER 2005**

\* All activities described below for this item were conducted pursuant to the Consent Decree.

a. **Activities Undertaken/Completed**

None

b. **Sampling/Test Results Received**

None

c. **Work Plans/Reports/Documents Submitted**

Submitted Supplemental Sampling Proposal for Parcels I8-23-4, I8-23-5, and I8-23-9 (November 2, 2005).

d. **Upcoming Scheduled and Anticipated Activities (next six weeks)**

Initiate sampling activities (weather-dependent) upon EPA's approval of the Supplemental Sampling Proposal (see Item 8.c above).

e. **General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

f. **Proposed/Approved Work Plan Modifications**

None



**ITEM 9  
LYMAN STREET AREA  
(GEC430)  
NOVEMBER 2005**

\* All activities described below for this item were conducted pursuant to the Consent Decree.

**a. Activities Undertaken/Completed**

At a technical meeting, GE provided EPA with two tables and a figure summarizing the results of a preliminary flood storage volume assessment for the 100-year floodplain of the Housatonic River between the Newell Street and Lyman Street bridges. This assessment demonstrated, among other things, that the loss of flood storage capacity resulting from installation of an engineered barrier at the GE-Lyman Street parking lot would be more than offset by gains in flood storage capacity due to building demolition activities in the same floodplain reach, thus resulting in no net loss in flood storage capacity. EPA verbally approved that conclusion at the meeting.

**b. Sampling/Test Results Received**

None

**c. Work Plans/Reports/Documents Submitted**

None

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

None

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

**f. Proposed/Approved Work Plan Modifications**

None

**ITEM 10  
NEWELL STREET AREA I  
(GEC440)  
NOVEMBER 2005**

\* All activities described below for this item were conducted pursuant to the Consent Decree.

**a. Activities Undertaken/Completed**

- Continued remediation of Parcels J9-23-19, -20, and -21.
- During the remediation of the above-referenced parcels, encountered two intact drums containing liquid, as well as three empty drum carcasses, in subsurface soil. In response, GE: (1) properly removed the drums; (2) sent the drum carcasses to GE's OPCAs for disposition there; and (3) overpacked the intact drums that contained liquids and sent them to GE's on-plant TSCA storage area for subsequent characterization of their contents to facilitate the appropriate off-site disposition of these drums.
- Conducted air monitoring for particulates and PCBs, as identified in Table 10-1.

**b. Sampling/Test Results Received**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

None

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

- Potentially complete remediation of Parcels J9-23-19, -20, and -21, depending on weather. (The remaining activity involves installation of a concrete slab over a dirt floor in a building.)
- Conduct inspection of installed engineered barriers, other backfilled/restored areas, and re-vegetated areas at Newell Street Area I and submit inspection report.
- Record ERE and Notice of Completion for Parcel J9-23-24 following receipt of EPA approval and MDEP acceptance of same.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

**f. Proposed/Approved Work Plan Modifications**

None

**TABLE 10-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**NEWELL STREET AREA I  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	(E) SW of J9-23-20	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(G) NW of J9-23-20	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(H) SE of J9-23-20	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(I) NE of J9-23-20	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(E) SW of J9-23-20	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(G) NW of J9-23-20	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(H) SE of J9-23-20	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(I) NE of J9-23-20	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(E) SW of J9-23-20	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(G) NW of J9-23-20	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(H) SE of J9-23-20	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(I) NE of J9-23-20	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(E) SW of J9-23-20	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(G) NW of J9-23-20	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(H) SE of J9-23-20	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(I) NE of J9-23-20	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(E) SW of J9-23-20	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(G) NW of J9-23-20	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(H) SE of J9-23-20	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(I) NE of J9-23-20	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(E) SW of J9-23-20	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(G) NW of J9-23-20	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(H) SE of J9-23-20	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(I) NE of J9-23-20	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(E) SW of J9-23-20	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(G) NW of J9-23-20	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(H) SE of J9-23-20	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(I) NE of J9-23-20	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(E) SW of J9-23-20	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05

**TABLE 10-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**NEWELL STREET AREA I  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	(G) NW of J9-23-20	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(H) SE of J9-23-20	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(I) NE of J9-23-20	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(E) SW of J9-23-20	11/11/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(G) NW of J9-23-20	11/11/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(H) SE of J9-23-20	11/11/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(I) NE of J9-23-20	11/11/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/11/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	(E) SW of J9-23-20	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	(G) NW of J9-23-20	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	(H) SE of J9-23-20	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	(I) NE of J9-23-20	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	(E) SW of J9-23-20	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	(G) NW of J9-23-20	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	(H) SE of J9-23-20	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	(I) NE of J9-23-20	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
PCB Ambient Air Sampling	(E) Southwest of J9-23-20	11/10- 11/11/05	Air	Berkshire Environmental	PCB	11/17/05
PCB Ambient Air Sampling	(G) Northwest of J9-23-20	11/10- 11/11/05	Air	Berkshire Environmental	PCB	11/17/05
PCB Ambient Air Sampling	(G) Northwest of J9-23-20 - collocated	11/10- 11/11/05	Air	Berkshire Environmental	PCB	11/17/05
PCB Ambient Air Sampling	(H) Southeast of J9-23-20	11/10- 11/11/05	Air	Berkshire Environmental	PCB	11/17/05
PCB Ambient Air Sampling	(I) Northeast of J9-23-20	11/10- 11/11/05	Air	Berkshire Environmental	PCB	11/17/05
PCB Ambient Air Sampling	Background - East of Building 9B	11/10- 11/11/05	Air	Berkshire Environmental	PCB	11/17/05

**TABLE 10-2  
 AMBIENT AIR PCB DATA RECEIVED DURING NOVEMBER 2005**

**PCB AMBIENT AIR CONCENTRATIONS  
 NEWELL STREET AREA I  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

<b>Sampling Event Period</b>	<b>Date Analytical Results Received by BEC, Inc.</b>	<b>(E) Southwest of J9-23-20 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>(G) Northwest of J9-23-20 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>(G) Northwest of J9-23-20 - collocated (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>(H) Southeast of J9-23-20 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>(I) Northeast of J9-23-20 (<math>\mu\text{g}/\text{m}^3</math>)</b>	<b>Background - East of Building 9B (<math>\mu\text{g}/\text{m}^3</math>)</b>
11/10 - 11/11/05	11/16/05	0.0013	0.0009	0.0007	0.0009	0.0012	0.0014
Notification Level		0.05	0.05	0.05	0.05	0.05	0.05

**TABLE 10-3  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING NOVEMBER 2005**

**PARTICULATE AMBIENT AIR CONCENTRATIONS  
 NEWELL STREET AREA I  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Date <sup>2</sup>	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	Background Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
11/01/05	(E) SW of J9-23-20	0.035	0.020*	11:00	SSW
	(G) NW of J9-23-20	0.025*		11:00	
	(H) SE of J9-23-20	0.023		11:15	
	(I) NE of J9-23-20	0.023		10:45	
11/02/05	(E) SW of J9-23-20	0.008	0.006*	10:15	WNW
	(G) NW of J9-23-20	0.003*		10:15	
	(H) SE of J9-23-20	0.009		10:15	
	(I) NE of J9-23-20	0.009		10:15	
11/03/05	(E) SW of J9-23-20	0.022	0.010*	10:15	SSW
	(G) NW of J9-23-20	0.013*		10:15	
	(H) SE of J9-23-20	0.024		10:15	
	(I) NE of J9-23-20	0.017		10:15	
11/04/05	(E) SW of J9-23-20	0.034	0.013*	10:00	Calm
	(G) NW of J9-23-20	0.017*		10:00	
	(H) SE of J9-23-20	0.030		10:00	
	(I) NE of J9-23-20	0.020		10:00	
11/07/05	(E) SW of J9-23-20	0.019	0.004*	10:45	WNW
	(G) NW of J9-23-20	0.008*		10:45	
	(H) SE of J9-23-20	0.020 <sup>3</sup>		10:45 <sup>4</sup>	
	(I) NE of J9-23-20	0.018		10:45	
11/08/05	(E) SW of J9-23-20	0.031	0.014*	11:15	WNW
	(G) NW of J9-23-20	0.017*		11:00	
	(H) SE of J9-23-20	0.037 <sup>3</sup>		11:00 <sup>4</sup>	
	(I) NE of J9-23-20	0.028		11:00	
11/09/05	(E) SW of J9-23-20	0.027	0.008*	6:00 <sup>5</sup>	Variable
	(G) NW of J9-23-20	0.009*		6:00 <sup>5</sup>	
	(H) SE of J9-23-20	NA <sup>6</sup>		NA <sup>6</sup>	
	(I) NE of J9-23-20	0.022		6:00 <sup>5</sup>	
11/10/05	(E) SW of J9-23-20	0.018	0.005*	11:00	WNW
	(G) NW of J9-23-20	0.004*		10:45	
	(H) SE of J9-23-20	0.059		10:45	
	(I) NE of J9-23-20	0.017		10:45	
11/11/05	(E) SW of J9-23-20	0.021	0.003*	10:00	WNW
	(G) NW of J9-23-20	0.004*		10:00	
	(H) SE of J9-23-20	0.074		10:00	
	(I) NE of J9-23-20	0.018		10:00	
11/14/05	(E) SW of J9-23-20	0.012	0.006*	11:00	WNW
	(G) NW of J9-23-20	0.007*		10:45	
	(H) SE of J9-23-20	0.008		11:00	
	(I) NE of J9-23-20	0.010		10:45	
11/17/05	(E) SW of J9-23-20	0.008	0.011*	10:45	WNW
	(G) NW of J9-23-20	0.006*		11:15	
	(H) SE of J9-23-20	0.002		11:30	
	(I) NE of J9-23-20	0.012		11:00	
Notification Level		0.120			

**TABLE 10-3  
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING NOVEMBER 2005**

**PARTICULATE AMBIENT AIR CONCENTRATIONS  
NEWELL STREET AREA I  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Notes:

NA - Not Available

\* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Newell Street Area I - Phase III remediation completed November 17, 2005.

Background monitoring station is located east of Building 9B, between Building 9B and New York Avenue.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

<sup>1</sup> Monitoring was performed only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

<sup>2</sup> The particulate monitors obtain real-time data. The sampling data were obtained by BEC on the sampling date.

<sup>3</sup> Reading reflects average concentration manually recorded from the monitor at the end of the day. The instrument was stolen from the site on 11/09/05 before the datalog file was downloaded.

<sup>4</sup> Estimated time of operation. The instrument was stolen from the site on 11/09/05 before the datalog file was downloaded.

<sup>5</sup> Sampling period was shortened due to precipitation/threat of precipitation.

<sup>6</sup> Data not available. The instrument was stolen from the site on 11/09/05.

**ITEM 11  
NEWELL STREET AREA II  
(GECD450)  
NOVEMBER 2005**

**a. Activities Undertaken/Completed**

- Continued soil remediation.\*
- Completed test trenching activities at Parcel J9-23-8 in accordance with a letter from GE to EPA titled Proposal for Test Trenching Activities, dated October 31, 2005, as conditionally approved by EPA in a letter dated November 9, 2005.\* Excavated soils from test trenches were temporarily held in a pile adjacent to the test trench area on top of and covered by polyethylene sheeting.
- Encountered drums in test trenches at Parcel J9-23-8, most of which were crushed or in pieces and one of which was intact and contained liquid material. Consistent with previously reported response activities, GE: (1) properly removed the drums; (2) sent the crushed drums and drum fragments to GE's OPCAs for disposition there; and (3) overpacked the intact drum that contained liquid and sent it to GE's on-plant TSCA storage area for subsequent characterization of the contents to facilitate the appropriate off-site disposition of this drum.
- During soil removal/test trenching activities, encountered capacitors in subsurface soil at Parcel J9-23-8. In response, GE placed these capacitors into drums and sent those drums to GE's on-plant TSCA storage area for subsequent appropriate off-site disposal.
- Collected composite sample of soil from test trench soil pile and submitted it for analysis of volatile and semi-volatile organic compounds and for testing by Toxicity Characteristic Leaching Procedure (TCLP), as identified in Table 11-1.
- Continued air monitoring for particulates and PCBs, as identified in Table 11-1.\*
- Collected and tankered approximately 75,000 gallons of groundwater from Newell Street Area II to Building 64G for treatment.
- At a technical meeting, GE provided EPA with two tables and a figure summarizing the results of a preliminary flood storage volume assessment for the 100-year floodplain of the Housatonic River between the Newell Street and Lyman Street bridges. This assessment demonstrated, among other things, that the loss of flood storage capacity resulting from installation of an engineered barrier at the GE-Newell Street parking lot would be more than offset by gains in flood storage capacity due to building demolition activities in the same floodplain reach, thus resulting in no net loss in flood storage capacity. EPA verbally approved that conclusion at the meeting.\*

**b. Sampling/Test Results Received**

See attached tables.



**ITEM 11  
(cont'd)  
NEWELL STREET AREA II  
(GEC450)  
NOVEMBER 2005**

**c. Work Plans/Reports/Documents Submitted**

Submitted analytical data for proposed topsoil source to EPA on November 22, 2005.\*

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

- Complete planned soil remediation.\*
- Based on sampling results for liquid contents of drums from Parcel J9-23-8, arrange for appropriate off-site disposal of those drums.
- Arrange for appropriate off-site disposal of drummed capacitors removed from Parcel J9-23-8.
- Review sampling data from test trench soil pile and arrange for appropriate disposition of that soil.
- Provide proposal to EPA regarding future excavation work at Parcel J9-23-8 and consider disposition of excavated soil.\*
- Submit Subsurface Investigation Summary Report (due by December 22, 2005).\*

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

Issues relating to future activities at Parcel J9-23-8 are under discussion with EPA.

**f. Proposed/Approved Work Plan Modifications**

Received EPA conditional approval for Proposal for Test Trenching Activities on November 9, 2005.\*

**TABLE 11-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**NEWELL STREET AREA II  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Trench Pile Sampling	NSAII-TRENCHPILE-1	11/30/05	Soil	SGS	VOC, SVOC, TCLP	
Ambient Air Particulate Matter Sampling	NN1 - Northwest	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	NN2 - Southwest	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	NN3 - Southeast	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	NN4 - Northeast	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	Background Location	11/1/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	NN1 - Northwest	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	NN2 - Southwest	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	NN3 - Southeast	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	NN4 - Northeast	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	Background Location	11/2/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	NN1 - Northwest	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	NN2 - Southwest	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	NN3 - Southeast	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	NN4 - Northeast	11/3/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	Background Location	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	NN1 - Northwest	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	NN2 - Southwest	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	NN3 - Southeast	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	NN4 - Northeast	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	Background Location	11/4/05	Air	Berkshire Environmental	Particulate Matter	11/8/05
Ambient Air Particulate Matter Sampling	NN1 - Northwest	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	NN2 - Southwest	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	NN3 - Southeast	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	NN4 - Northeast	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/7/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	NN1 - Northwest	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	NN2 - Southwest	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	NN3 - Southeast	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	NN4 - Northeast	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/8/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	NN1 - Northwest	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	NN2 - Southwest	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	NN3 - Southeast	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	NN4 - Northeast	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/9/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	NN1 - Northwest	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	NN2 - Southwest	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05

**TABLE 11-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**NEWELL STREET AREA II  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Ambient Air Particulate Matter Sampling	NN3 - Southeast	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	NN4 - Northeast	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	Background Location	11/10/05	Air	Berkshire Environmental	Particulate Matter	11/15/05
Ambient Air Particulate Matter Sampling	NN1 - Northwest	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	NN2 - Southwest	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	NN3 - Southeast	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	NN4 - Northeast	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/14/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	NN1 - Northwest	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	NN2 - Southwest	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	NN3 - Southeast	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	NN4 - Northeast	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/17/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	NN1 - Northwest	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	NN2 - Southwest	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	NN3 - Southeast	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	NN4 - Northeast	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	NN1 - Northwest	11/20/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	NN2 - Southwest	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	NN3 - Southeast	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	NN4 - Northeast	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	Background Location	11/18/05	Air	Berkshire Environmental	Particulate Matter	11/23/05
Ambient Air Particulate Matter Sampling	NN2 - Southwest	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	NN3 - Southeast	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	NN4 - Northeast	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	Background Location	11/21/05	Air	Berkshire Environmental	Particulate Matter	11/30/05
Ambient Air Particulate Matter Sampling	NN2 - Southwest	11/29/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	NN3 - Southeast	11/29/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	NN4 - Northeast	11/29/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	Background Location	11/29/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	NN2 - Southwest	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	NN3 - Southeast	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	NN4 - Northeast	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
Ambient Air Particulate Matter Sampling	Background Location	11/30/05	Air	Berkshire Environmental	Particulate Matter	12/5/05
PCB Ambient Air Sampling	Field Blank	11/8 - 11/9/05	Air	Berkshire Environmental	PCB	11/14/05
PCB Ambient Air Sampling	Northwest of NS Area II	11/8 - 11/9/05	Air	Berkshire Environmental	PCB	11/14/05
PCB Ambient Air Sampling	Southwest of NS Area II	11/8 - 11/9/05	Air	Berkshire Environmental	PCB	11/14/05

**TABLE 11-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**NEWELL STREET AREA II  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
PCB Ambient Air Sampling	Southeast of NS Area II	11/8 - 11/9/05	Air	Berkshire Environmental	PCB	11/14/05
PCB Ambient Air Sampling	Northeast of NS Area II	11/8 - 11/9/05	Air	Berkshire Environmental	PCB	11/14/05
PCB Ambient Air Sampling	Northeast of NS Area II - colocated	11/8 - 11/9/05	Air	Berkshire Environmental	PCB	11/14/05
PCB Ambient Air Sampling	Background - East of Building 9B	11/8 - 11/9/05	Air	Berkshire Environmental	PCB	11/14/05
PCB Ambient Air Sampling	Field Blank	11/15 - 11/16/05	Air	Berkshire Environmental	PCB	11/18/05
PCB Ambient Air Sampling	Northwest of NS Area II	11/15 - 11/16/05	Air	Berkshire Environmental	PCB	11/18/05
PCB Ambient Air Sampling	Southwest of NS Area II	11/15 - 11/16/05	Air	Berkshire Environmental	PCB	11/18/05
PCB Ambient Air Sampling	Southeast of NS Area II	11/15 - 11/16/05	Air	Berkshire Environmental	PCB	11/18/05
PCB Ambient Air Sampling	Northeast of NS Area II	11/15 - 11/16/05	Air	Berkshire Environmental	PCB	11/18/05
PCB Ambient Air Sampling	Northeast of NS Area II - colocated	11/15 - 11/16/05	Air	Berkshire Environmental	PCB	11/18/05
PCB Ambient Air Sampling	Background - East of Building 9B	11/15 - 11/16/05	Air	Berkshire Environmental	PCB	11/18/05
PCB Ambient Air Sampling	Field Blank	11/22 - 11/23/05	Air	Berkshire Environmental	PCB	11/30/05
PCB Ambient Air Sampling	Northwest of NS Area II	11/22 - 11/23/05	Air	Berkshire Environmental	PCB	11/30/05
PCB Ambient Air Sampling	Southwest of NS Area II	11/22 - 11/23/05	Air	Berkshire Environmental	PCB	11/30/05
PCB Ambient Air Sampling	Southeast of NS Area II	11/22 - 11/23/05	Air	Berkshire Environmental	PCB	11/30/05
PCB Ambient Air Sampling	Northeast of NS Area II	11/22 - 11/23/05	Air	Berkshire Environmental	PCB	11/30/05
PCB Ambient Air Sampling	Northeast of NS Area II - colocated	11/22 - 11/23/05	Air	Berkshire Environmental	PCB	11/30/05
PCB Ambient Air Sampling	Background - East of Building 9B	11/22 - 11/23/05	Air	Berkshire Environmental	PCB	11/30/05
PCB Ambient Air Sampling	Field Blank	11/29 - 11/30/05	Air	Berkshire Environmental	PCB	12/2/05
PCB Ambient Air Sampling	Northwest of NS Area II	11/29 - 11/30/05	Air	Berkshire Environmental	PCB	12/2/05
PCB Ambient Air Sampling	Southwest of NS Area II	11/29 - 11/30/05	Air	Berkshire Environmental	PCB	12/2/05
PCB Ambient Air Sampling	Southeast of NS Area II	11/29 - 11/30/05	Air	Berkshire Environmental	PCB	12/2/05
PCB Ambient Air Sampling	Northeast of NS Area II	11/29 - 11/30/05	Air	Berkshire Environmental	PCB	12/2/05
PCB Ambient Air Sampling	Northeast of NS Area II - colocated	11/29 - 11/30/05	Air	Berkshire Environmental	PCB	12/2/05
PCB Ambient Air Sampling	Background - East of Building 9B	11/29 - 11/30/05	Air	Berkshire Environmental	PCB	12/2/05

**TABLE 11-2  
 AMBIENT AIR PCB DATA RECEIVED DURING NOVEMBER 2005**

**PCB AMBIENT AIR CONCENTRATIONS  
 NEWELL STREET AREA II  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Event Period	Date Analytical Results Received by BEC, Inc.	Field Blank (µg/m3)	Northwest of NS Area II (µg/m3)	Southwest of NS Area II (µg/m3)	Southeast of NS Area II (µg/m3)	Northeast of NS Area II (µg/m3)	Northeast of NS Area II - colocated (µg/m3)	BK3 - Background - East of Building 9B (µg/m3)
11/01 - 11/02/05	11/04/05	ND	0.0013	0.0010	0.0213	0.0052	0.0040	ND
11/08 - 11/09/05	11/11/05	ND	0.0013	0.0019	<b>0.0738</b> <sup>1</sup>	0.0042	0.0034	0.0007
11/15 - 11/16/05	11/18/05	ND	0.0081	0.0021	0.0505 <sup>2</sup>	0.0028	0.0023	0.0015
11/22 - 11/23/05	11/28/05	ND	0.0003	0.0017	0.0109	0.0007	0.0009	ND
11/29 - 11/30/05	12/02/05	ND	0.0054	0.0041	0.0222	0.0038	0.0041	0.0018
Notification Level		0.05	0.05	0.05	0.05	0.05	0.05	0.05

Notes:

ND - Non-Detect (<0.0003.)

<sup>1</sup> Exceeds notification level.

<sup>2</sup> At notification level.

**TABLE 11-3  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING NOVEMBER 2005**

**PARTICULATE AMBIENT AIR CONCENTRATIONS  
 NEWELL STREET AREA II  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Date <sup>2</sup>	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	Background Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
11/01/05	NN1 - Northwest	0.037	0.020*	11:15	SSW
	NN2 - Southwest	0.010		11:15	
	NN3 - Southeast	0.018*		7:45 <sup>3</sup>	
	NN4 - Northeast	0.062		11:15	
11/02/05	NN1 - Northwest	0.005	0.006*	10:15	WNW
	NN2 - Southwest	0.003		10:15	
	NN3 - Southeast	0.007*		10:15	
	NN4 - Northeast	0.035		10:15	
11/03/05	NN1 - Northwest	0.012	0.010*	10:15	SSW
	NN2 - Southwest	0.013		10:15	
	NN3 - Southeast	0.018*		10:15	
	NN4 - Northeast	0.057		10:15	
11/04/05	NN1 - Northwest	0.021	0.013*	10:00	Calm
	NN2 - Southwest	0.015		10:00	
	NN3 - Southeast	0.025*		9:45 <sup>4</sup>	
	NN4 - Northeast	0.061		10:00	
11/07/05	NN1 - Northwest	0.032	0.004*	10:30	WNW
	NN2 - Southwest	0.016		11:00	
	NN3 - Southeast	0.013*		8:00 <sup>5</sup>	
	NN4 - Northeast	0.066		10:30	
11/08/05	NN1 - Northwest	0.060	0.014*	11:15	WNW
	NN2 - Southwest	0.020		11:15	
	NN3 - Southeast	0.027*		11:15	
	NN4 - Northeast	0.030		3:30 <sup>6</sup>	
11/09/05	NN1 - Northwest	0.033	0.008*	6:00 <sup>7</sup>	Variable
	NN2 - Southwest	0.019		6:00 <sup>7</sup>	
	NN3 - Southeast	0.026*		6:00 <sup>7</sup>	
	NN4 - Northeast	0.036		6:00 <sup>7</sup>	
11/10/05	NN1 - Northwest	0.031	0.005*	11:00	WNW
	NN2 - Southwest	0.016		11:00	
	NN3 - Southeast	0.007*		11:00	
	NN4 - Northeast	0.028		11:00	
11/14/05	NN1 - Northwest	0.040	0.006*	11:00	WNW
	NN2 - Southwest	0.004		10:45	
	NN3 - Southeast	0.010*		10:45	
	NN4 - Northeast	0.014		11:00	
11/17/05	NN1 - Northwest	0.050	0.011*	11:30	WNW
	NN2 - Southwest	0.003		11:30	
	NN3 - Southeast	0.015*		11:15	
	NN4 - Northeast	0.013		2:30 <sup>6</sup>	
11/18/05	NN1 - Northwest	0.061	0.003*	10:45	WNW
	NN2 - Southwest	0.011		10:45	
	NN3 - Southeast	0.014*		10:45	
	NN4 - Northeast	0.021		9:15 <sup>6</sup>	

**TABLE 11-3  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING NOVEMBER 2005**

**PARTICULATE AMBIENT AIR CONCENTRATIONS  
 NEWELL STREET AREA II  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Date <sup>2</sup>	Sampler Location	Average Site Concentration (mg/m <sup>3</sup> )	Background Site Concentration (mg/m <sup>3</sup> )	Average Period (Hours:Min)	Predominant Wind Direction
11/21/05	NN1 - Northwest	0.041	0.029*	10:45	Calm
	NN2 - Southwest	0.011		10:45	
	NN3 - Southeast	0.034*		10:45	
	NN4 - Northeast	0.027		10:45	
11/29/05	NN1 - Northwest	0.017	0.018*	10:30	Variable
	NN2 - Southwest	0.019 <sup>8</sup>		7:30 <sup>9</sup>	
	NN3 - Southeast	0.010*		10:30	
	NN4 - Northeast	0.097 <sup>8</sup>		7:30 <sup>9</sup>	
11/30/05	NN1 - Northwest	0.037	0.020*	6:30 <sup>7</sup>	WNW
	NN2 - Southwest	0.024		6:30 <sup>7</sup>	
	NN3 - Southeast	0.031*		6:45 <sup>7</sup>	
	NN4 - Northeast	0.074		6:00 <sup>7</sup>	
Notification Level		0.120			

Notes:

\* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring station is located east of Building 9B, between Building 9B and New York Avenue.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

<sup>1</sup> Monitoring was performed only on days when site activities occurred and there were no precipitation events or threat of significant precipitation.

<sup>2</sup> The particulate monitors obtain real-time data. The sampling data were obtained by BEC on the sampling date.

<sup>3</sup> Sampling period was shortened due to instrument malfunction.

<sup>4</sup> Sampling period was shortened due to technician error.

<sup>5</sup> Sampling period was shortened due to equipment recalibration.

<sup>6</sup> Sampling period was shortened due to instrument malfunction (dead battery).

<sup>7</sup> Sampling period was shortened due to precipitation/threat of precipitation.

<sup>8</sup> Reading reflects average concentration manually recorded from the monitor at the end of the day. Unable to download data due to equipment failure.

<sup>9</sup> Estimated time of operation. Unable to download data due to equipment failure.

**ITEM 12  
FORMER OXBOW AREAS J & K  
(GEC420)  
NOVEMBER 2005**

\* All activities described below for this item were conducted pursuant to the Consent Decree.

**a. Activities Undertaken/Completed**

None

**b. Sampling/Test Results Received**

None

**c. Work Plans/Reports/Documents Submitted**

Submitted Supplemental Sampling Proposal for Parcels K10-13-1, K10-12-1, K10-11-5, K10-10-3, K10-10-4, and K10-10-33 (November 2, 2005).

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

Initiate sampling activities (weather-dependent) upon EPA's approval of the Supplemental Sampling Proposal (see Item 12.c above).

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

**f. Proposed/Approved Work Plan Modifications**

None



**ITEM 13  
HOUSATONIC RIVER AREA  
UPPER ½ MILE REACH  
(GECD800)  
NOVEMBER 2005**

\* All activities described below for this item were conducted pursuant to the Consent Decree.

**a. Activities Undertaken/Completed**

Performed remedial planting of understory and canopy species as described in October 10, 2005 Trip Report (November 9, 2005).

**b. Sampling/Test Results Received**

None

**c. Work Plans/Reports/Documents Submitted**

None

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

Begin development of annual monitoring summary report for 2005.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

- Seepage meter monitoring has not occurred due to increased water levels. EPA and GE have agreed to postpone installation of seepage meters until after the completion of EPA activities in the 1½ Mile Reach.
- Issues relating to total organic carbon (TOC) content in isolation layer remain unresolved. EPA and GE have agreed that GE's report on those issues will be deferred until after the seepage meter data are available. The Final Completion Report for Upper ½ Mile Reach Removal Action will be submitted following resolution of those issues.

**f. Proposed/Approved Work Plan Modifications**

None

**ITEM 14  
HOUSATONIC RIVER AREA  
1½ MILE REACH  
(GEC820)  
NOVEMBER 2005**

**(Note: This item is limited to activities conducted by GE and does not include EPA's work on the 1½ Mile Reach Removal Action)**

**a. Activities Undertaken/Completed**

On November 22, 2005, BBL (on GE's behalf) performed a round of water column monitoring at eight locations along the Housatonic River between Coltsville, MA and Great Barrington, MA. One of these locations is situated in the 1½ Mile Reach: Lyman Street Bridge (Location 4). (Pomeroy Avenue Bridge [Location 6A] was not sampled during this month due to remedial construction activities at Pomeroy Avenue.) A composite grab sample was collected at Location 4 and submitted to Northeast Analytical for analysis of PCBs (total), TSS, POC, and chlorophyll-a, as identified in Table 14-1. (The other seven locations are discussed under Item 15 below.)

**b. Sampling/Test Results Received**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

None

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

Continue Housatonic River monthly water column monitoring.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

**f. Proposed/Approved Work Plan Modifications**

None

**TABLE 14-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**HOUSATONIC RIVER - 1 1/2 MILE REACH  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Monthly Water Column Sampling	Location-4	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-4	10/25/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/9/05
Monthly Water Column Sampling	Location-6A	10/25/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/9/05

**TABLE 14-2  
SAMPLE DATA RECEIVED DURING NOVEMBER 2005**

**MONTHLY WATER COLUMN SAMPLING  
HOUSATONIC RIVER - 1 1/2 MILE REACH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(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	POC	TSS	Chlorophyll (a)
LOCATION-4	Lyman Street Bridge	10/25/2005	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.361	60.4	0.0014
LOCATION-6A	Pomeroy Ave. Bridge	10/25/2005	ND(0.0000220)	ND(0.0000220)	0.0000240 AF	0.0000220 AG	0.0000460	3.45	64.0	0.0012

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. for analysis of unfiltered PCBs, total suspended solids (TSS), particulate organic carbon (POC), and chlorophyll (a).
2. Sampling methods involved the collection of composite grab samples at each location, representative of three stations (25, 50, and 75 percent of the total river width at each location) at 50 percent of the total river depth at each station.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

Data Qualifiers:

AF - Aroclor 1254 is being reported as the best Aroclor match.  
AG - Aroclor 1260 is being reported as the best Aroclor match.

The sample exhibits an altered PCB pattern.  
The sample exhibits an altered PCB pattern.

**ITEM 15  
HOUSATONIC RIVER AREA  
REST OF THE RIVER  
(GEC850)  
NOVEMBER 2005**

**a. Activities Undertaken/Completed**

- On November 22, 2005, BBL (on GE's behalf) performed a round of water column monitoring at eight locations along the Housatonic River between Coltsville and Great Barrington, MA. One location is situated in the 1½ Mile Reach of the Housatonic River and was discussed in Item 14. Of the remaining seven locations, two are located upstream of the 1½ Mile Reach: Hubbard Avenue Bridge (Location 1) and Newell Street Bridge (Location 2). The five remaining locations are situated in the Rest of the River: Holmes Road Bridge (Location 7); New Lenox Road Bridge (Location 9); Woods Pond Headwaters (Location 10); Schweitzer Bridge (Location 12); and Division Street Bridge (Location 13). Sampling activities were performed at all these locations on November 22, 2005 from downstream to upstream. Composite grab samples were collected at each location sampled and submitted to Northeast Analytical for analysis of PCBs (total), TSS, POC, and chlorophyll-a, as identified in Table 15-1.
- Conducted structural integrity inspection of Woods Pond Dam (November 29, 2005).\*
- Continued work on repairs to gate stem at Rising Pond Dam.\*

**b. Sampling/Test Results**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

Submitted report on additional floodplain soil sampling conducted at Parcels K4-6-27, K4-6-28, and J3-2-1 (November 8, 2005).

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

- Continue Housatonic River monthly water column monitoring.
- Submit report on structural integrity inspection of Woods Pond Dam.\*
- Observe structural integrity inspection of Rising Pond Dam, conducted by consultants to dam owner.\*
- Continue work on repairs to gate stem at Rising Pond Dam.\*
- Receive EPA's comments on GE's IMPG Proposal.\*

**ITEM 15**  
**(cont'd)**  
**HOUSATONIC RIVER AREA**  
**REST OF THE RIVER**  
**(GEC850)**  
**NOVEMBER 2005**

e. **General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

f. **Proposed/Approved Work Plan Modifications**

None

**TABLE 15-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**HOUSATONIC RIVER - REST OF RIVER  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Monthly Water Column Sampling	HR-D1 (Location-12)	10/25/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/9/05
Monthly Water Column Sampling	HR-D1 (Location-12)	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-1	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-1	10/25/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/9/05
Monthly Water Column Sampling	Location-10	10/25/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/9/05
Monthly Water Column Sampling	Location-10	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-12	10/25/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/9/05
Monthly Water Column Sampling	Location-12	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-13	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-13	10/25/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/9/05
Monthly Water Column Sampling	Location-2	10/25/05	Water	NEA	TSS, POC, Chlorophyll-A	11/9/05
Monthly Water Column Sampling	Location-2	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-7	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-7	10/25/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/9/05
Monthly Water Column Sampling	Location-9	10/25/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	11/9/05
Monthly Water Column Sampling	Location-9	11/22/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	

Note:

1. Field duplicate sample locations are presented in parenthesis.

**TABLE 15-2  
SAMPLE DATA RECEIVED DURING NOVEMBER 2005**

**MONTHLY WATER COLUMN SAMPLING  
HOUSATONIC RIVER - REST OF RIVER  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(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	POC	TSS	Chlorophyll (a)
LOCATION-1	Hubbard Avenue Bridge	10/25/2005	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	1.71	18.8	0.0080
LOCATION-2	Newell Street Bridge	10/25/2005	NA	NA	NA	NA	NA	2.45	47.0	0.0011
LOCATION-7	Holmes Road Bridge	10/25/2005	ND(0.0000220)	ND(0.0000220)	0.0000310 AF	0.0000740 AG	0.000105	1.71	21.9	0.0018
LOCATION-9	New Lenox Road Bridge	10/25/2005	ND(0.0000220)	0.0000330 PE	0.0000400 AF	0.0000780 AG	0.000151	0.449	11.9	0.0017
LOCATION-10	Headwaters of Woods Pond	10/25/2005	ND(0.0000220)	0.0000250 PE	0.0000270 AF	0.0000480 AG	0.000100	0.721	6.30	0.0020
LOCATION-12	Schweitzer Bridge	10/25/2005	ND(0.0000220)	0.0000260 PE	0.0000320 AF	0.000110 AG	0.000168	0.442	2.30	0.0014
		10/25/2005	[ND(0.0000220)]	[0.0000250 PE]	[0.0000280 AF]	[0.0000470 AG]	[0.000100]	[0.524]	[3.40]	0.0016
LOCATION-13	Division Street Bridge	10/25/2005	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.0000330 AG	0.0000330	0.548	2.10	0.0011

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. for analysis of unfiltered PCBs, total suspended solids (TSS), particulate organic carbon (POC), and chlorophyll (a).
2. Sampling methods involved the collection of composite grab samples at each location, representative of three stations (25, 50, and 75 percent of the total river width at each location) at 50 percent of the total river depth at each station.
3. NA - Not Analyzed. PCB bottle for Location-2 was broken during shipment.
4. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
5. Field duplicate sample results are presented in brackets.

Data Qualifiers:

AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 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 PCBs present in a sample that has undergone environmental alteration.



**ITEMS 16 & 17  
HOUSATONIC RIVER FLOODPLAIN  
RESIDENTIAL AND NON-RESIDENTIAL  
PROPERTIES ADJACENT TO 1½-MILE REACH  
(GEC710 AND GEC720)  
NOVEMBER 2005**

\* All activities described below for this item were conducted pursuant to the Consent Decree.

a. **Activities Undertaken/Completed**

Continued restoration activities at certain Phase 3 floodplain properties.

b. **Sampling/Test Results Received**

None

c. **Work Plans/Reports/Documents Submitted**

None

d. **Upcoming Scheduled and Anticipated Activities (next six weeks)**

Conduct inspection of backfilled/restored areas at Phase 3 properties and submit inspection report.

e. **General Progress/Unresolved Issues/Potential Schedule Impacts**

GE will discuss with EPA a schedule for pre-certification inspection and submittal of a Final Completion Report for Phase 1 and Phase 2 properties and ERE for City property in Phase 2.

f. **Proposed/Approved Work Plan Modifications**

None

**ITEM 18**  
**HOUSATONIC RIVER FLOODPLAIN**  
**CURRENT RESIDENTIAL PROPERTIES**  
**DOWNSTREAM OF CONFLUENCE**  
**(ACTUAL/POTENTIAL LAWNS)**  
**(GEC730)**  
**NOVEMBER 2005**

**a. Activities Undertaken/Completed**

None

**b. Sampling/Test Results Received**

None

**c. Work Plans/Reports/Documents Submitted**

None

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

None

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

Awaiting EPA approval of GE's Pre-Design Investigation Work Plan (submitted on February 26, 2002). (Based on discussions with EPA, it appears that this pre-design sampling will be deferred for some period of time.)\*

**f. Proposed/Approved Work Plan Modifications**

None

**ITEM 19**  
**ALLENDALE SCHOOL PROPERTY**  
**(GEC500)**  
**NOVEMBER 2005**

**a. Activities Undertaken/Completed**

Collected split soil samples with EPA at Allendale School property (November 30, 2005) (see Table 19-1). These samples were submitted to the laboratory to be held for possible future PCB analysis depending on the results from the soil samples collected by EPA.

**b. Sampling/Test Results Received**

None

**c. Work Plans/Reports/Documents Submitted**

None

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

Review results of EPA soil and ambient air sampling at Allendale School property; data being collected by the Massachusetts Department of Public Health on indoor air, solid surfaces, and dust from air filters within the school; and soil sampling data to be collected by MDEP on soil in a crawl space beneath the school.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

See Item 19.d.

**f. Proposed/Approved Work Plan Modifications**

None

**TABLE 19-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**ALLENDALE SCHOOL PROPERTY  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Depth (feet)</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Split Soil Sampling	ASC-1	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-10	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-11	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-12	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-13	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-14	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-15	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-16	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-17	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-18	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-19	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-2	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-3	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-4	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-5	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-6	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-7	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-8	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-9	11/30/05	0-3	Soil	SGS	PCB	
Split Soil Sampling	ASC-DUP-1 (ASC-4)	11/30/05	0-3	Soil	SGS	PCB	

Note:

1. Field duplicate sample locations are presented in parenthesis.

**ITEM 20  
OTHER AREAS  
SILVER LAKE AREA  
(GECD600)  
NOVEMBER 2005**

\* All activities described below for this item were conducted pursuant to the Consent Decree.

**a. Activities Undertaken/Completed**

- Performed water level monitoring at Silver Lake staff gauge and monitoring wells surrounding the lake (see Item 21.a).
- Processed Core D16 of the Bench-Scale Study for analysis as prescribed in the Bench-Scale Work Plan. Remaining cores will continue in study for approximately 6 more weeks.
- Continued performance of Stage 3 of the Bench-Scale Study for sediments in accordance with the Bench-Scale Study Work Plan.
- Collected monthly overburden water sample in accordance with the Bench-Scale Study Work Plan, as identified in Table 20-1.

**b. Sampling/Test Results Received**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

None

**d. Upcoming Scheduled Activities (next six weeks)**

- Submit Third Interim Pre-Design Investigation Report for Soils Adjacent to Silver Lake (due by December 30, 2005).
- Continue water level monitoring at well pairs surrounding the lake.
- Continue Bench-Scale Study for sediments in accordance with the Bench-Scale Study Work Plan.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

An extension of time will be necessary for submission of the Bench-Scale Study Report (currently due on December 26, 2005). GE will discuss this with EPA and request an appropriate extension of time.

**ITEM 20  
(cont'd)  
OTHER AREAS  
SILVER LAKE AREA  
(GECD600)  
NOVEMBER 2005**

**f. Proposed/Approved Work Plan Modifications**

None

**TABLE 20-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Depth (feet)</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Additional PDI Soil Sampling	I9-10-8-SB-16-N	10/24/05	0-1	Soil	SGS	Lead	11/2/05
Additional PDI Soil Sampling	I9-10-8-SB-16-N	10/24/05	1-3	Soil	SGS	Lead	11/2/05
Additional PDI Soil Sampling	I9-10-8-SB-16-S	10/24/05	0-1	Soil	SGS	Lead	11/2/05
Additional PDI Soil Sampling	I9-10-8-SB-16-S	10/24/05	1-3	Soil	SGS	Lead	11/2/05
Additional PDI Soil Sampling	I9-10-8-SB-19	10/25/05	3-5	Soil	SGS	Mercury	11/4/05
Additional PDI Soil Sampling	I9-10-8-SB-19-N	10/25/05	0-1	Soil	SGS	Mercury	11/4/05
Additional PDI Soil Sampling	I9-10-8-SB-19-N	10/25/05	1-3	Soil	SGS	Mercury	11/4/05
Additional PDI Soil Sampling	I9-10-8-SB-19-SE	10/25/05	0-1	Soil	SGS	Mercury	11/4/05
Additional PDI Soil Sampling	I9-10-8-SB-19-SE	10/25/05	1-3	Soil	SGS	Mercury	11/4/05
Additional PDI Soil Sampling	I9-10-8-SB-19-SW	10/25/05	0-1	Soil	SGS	Mercury	11/4/05
Additional PDI Soil Sampling	I9-10-8-SB-19-SW	10/25/05	1-3	Soil	SGS	Mercury	11/4/05
Additional PDI Soil Sampling	I9-9-1-SB-5	10/24/05	3-5	Soil	SGS	Lead, Sulfide	11/2/05
Additional PDI Soil Sampling	I9-9-1-SB-5-N	10/24/05	1-3	Soil	SGS	Lead	11/2/05
Additional PDI Soil Sampling	I9-9-1-SB-5-S	10/24/05	1-3	Soil	SGS	Lead	11/2/05
Additional PDI Soil Sampling	I9-9-11-SB-2-E	10/11/05	1-3	Soil	SGS	SVOC	11/4/05
Additional PDI Soil Sampling	I9-9-11-SB-2-S	10/11/05	1-3	Soil	SGS	SVOC	11/4/05
Additional PDI Soil Sampling	I9-9-11-SB-2-W	10/11/05	1-3	Soil	SGS	SVOC	11/4/05
Additional PDI Soil Sampling	I9-9-11-SB-7	10/14/05	10-15	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	11/2/05
Additional PDI Soil Sampling	I9-9-11-SB-7	10/14/05	10-12	Soil	SGS	VOC	11/2/05
Additional PDI Soil Sampling	I9-9-11-SB-7-E	10/14/05	3-6	Soil	SGS	SVOC	11/2/05
Additional PDI Soil Sampling	I9-9-11-SB-8	10/14/05	10-15	Soil	SGS	PCB	11/2/05
Additional PDI Soil Sampling	I9-9-17-SB-2-E	10/25/05	3-5	Soil	SGS	Lead	11/4/05
Additional PDI Soil Sampling	I9-9-17-SB-2-W	10/25/05	3-5	Soil	SGS	Lead	11/4/05
Additional PDI Soil Sampling	I9-9-18-SB-1-S	10/25/05	1-3	Soil	SGS	Lead	11/4/05
Additional PDI Soil Sampling	I9-9-24-SB-2SE	10/18/05	13-15	Soil	SGS	Lead, PCDD/PCDF	11/4/05
Additional PDI Soil Sampling	I9-9-24-SB-2W	10/18/05	13-15	Soil	SGS	Lead, PCDD/PCDF	11/4/05
Additional PDI Soil Sampling	I9-9-32-SB-3-E	10/25/05	1-3	Soil	SGS	SVOC	11/4/05
Additional PDI Soil Sampling	I9-9-32-SB-3-W	10/11/05	1-3	Soil	SGS	SVOC	11/4/05
Additional PDI Soil Sampling	I9-9-34-SB-1-NE	10/11/05	1-3	Soil	SGS	SVOC	11/4/05
Additional PDI Soil Sampling	I9-9-34-SB-1-NW	10/25/05	1-3	Soil	SGS	SVOC	11/4/05
Additional PDI Soil Sampling	I9-9-9-SB-1	10/26/05	13-15	Soil	SGS	PCB	11/4/05
Additional PDI Soil Sampling	I9-9-9-SB-2-W	10/26/05	7-9	Soil	SGS	Lead, SVOC	11/4/05
Additional PDI Soil Sampling	I9-9-9-SB-3-W	10/26/05	1-3	Soil	SGS	Lead, Sulfide	11/4/05
Additional PDI Soil Sampling	RA-3-SB-1-E	10/11/05	1-3	Soil	SGS	SVOC	11/4/05
Additional PDI Soil Sampling	RA-3-SB-15-E	10/11/05	0-1	Soil	SGS	SVOC	11/4/05
Additional PDI Soil Sampling	RA-3-SB-15-E	10/11/05	1-3	Soil	SGS	SVOC	11/4/05

**TABLE 20-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Depth (feet)</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Additional PDI Soil Sampling	RA-3-SB-15-W	10/11/05	0-1	Soil	SGS	SVOC	11/4/05
Additional PDI Soil Sampling	RA-3-SB-15-W	10/11/05	1-3	Soil	SGS	SVOC	11/4/05
Additional PDI Soil Sampling	RA-3-SB-9-E	10/10/05	1-3	Soil	SGS	PCDD/PCDF	11/4/05
Additional PDI Soil Sampling	RA-5-SB-2-N	10/10/05	0-1	Soil	SGS	PCDD/PCDF	11/4/05
Additional PDI Soil Sampling	RA-5-SB-2-S	10/10/05	0-1	Soil	SGS	PCDD/PCDF	11/4/05
Additional PDI Soil Sampling	RA-5-SB-2-W	10/11/05	0-1	Soil	SGS	PCDD/PCDF	11/4/05
Additional PDI Soil Sampling	SL-DUP-2 (I9-9-11-SB-7)	10/14/05	10-15	Soil	SGS	SVOC, Inorganics, PCDD/PCDF	11/2/05
Additional PDI Soil Sampling	SL-DUP-3 (I9-9-11-SB-7)	10/14/05	10-12	Soil	SGS	VOC	11/2/05
Additional PDI Soil Sampling	SL-DUP-5 (I9-9-17-SB-2-W)	10/25/05	3-5	Soil	SGS	Lead	11/4/05
Additional PDI Soil Sampling	SL-SB-DUP-1 (RA-5-SB-2-W)	10/11/05	0-1	Soil	SGS	PCDD/PCDF	11/4/05
Additional PDI Soil Sampling	SL-SB-DUP-6 (I9-9-34-SB-1-NE)	10/11/05	1-3	Soil	SGS	SVOC	11/4/05
Silver Lake Bench Scale Study	SL-BS-SE-D16-CAP	11/22/05	0-2	Sediment	NEA	PCB, TOC	
Silver Lake Bench Scale Study	SL-BS-SE-D16-CAP	11/22/05	2-4	Sediment	NEA	PCB, TOC	
Silver Lake Bench Scale Study	SL-BS-SE-D16-CAP	11/22/05	4-6	Sediment	NEA	PCB, TOC	
Silver Lake Bench Scale Study	SL-BS-SE-D16-CAP	11/22/05	6-11	Sediment	NEA	PCB, TOC	
Silver Lake Bench Scale Study	SL-BS-SE-D16-Filter	11/22/05	NA	Sediment	NEA	PCB	
Silver Lake Bench Scale Study	SL-BS-SE-D16-SED	11/22/05	0-6	Sediment	NEA	PCB	
Silver Lake Bench Scale Study	SL-D10-WATER-1	11/2/05	NA	Water	NEA	PCB	11/14/05
Silver Lake Bench Scale Study	SL-D11-WATER-1	11/2/05	NA	Water	NEA	PCB	11/14/05
Silver Lake Bench Scale Study	SL-D12-WATER-1	11/2/05	NA	Water	NEA	PCB	11/14/05
Silver Lake Bench Scale Study	SL-D14-WATER-1	11/2/05	NA	Water	NEA	PCB	11/14/05
Silver Lake Bench Scale Study	SL-D16-WATER-1	11/2/05	NA	Water	NEA	PCB	Cancelled

Note:

1. Field duplicate sample locations are presented in parenthesis.



**TABLE 20-2  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

<b>Sample ID</b>	<b>Depth (Feet)</b>	<b>Date Collected</b>	<b>Aroclor-1016, -1221, -1232, -1242, -1248</b>	<b>Aroclor-1254</b>	<b>Aroclor-1260</b>	<b>Total PCBs</b>
19-9-9-SB-1	13-15	10/26/2005	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
19-9-11-SB-8	10-15	10/14/2005	ND(0.60)	6.2	ND(0.60)	6.2

Notes:

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

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	I9-9-1-SB-5 3-5 10/24/05	I9-9-1-SB-5-N 1-3 10/24/05	I9-9-1-SB-5-S 1-3 10/24/05	I9-9-9-SB-2-W 7-9 10/26/05	I9-9-9-SB-3-W 1-3 10/26/05
<b>Volatile Organics</b>						
Carbon Disulfide		NA	NA	NA	NA	NA
<b>Semivolatile Organics</b>						
2,4-Dimethylphenol		NA	NA	NA	ND(0.47)	NA
2-Methylnaphthalene		NA	NA	NA	ND(0.47)	NA
3&4-Methylphenol		NA	NA	NA	ND(0.95)	NA
Acenaphthene		NA	NA	NA	ND(0.47)	NA
Acenaphthylene		NA	NA	NA	ND(0.47)	NA
Aniline		NA	NA	NA	ND(0.47)	NA
Anthracene		NA	NA	NA	ND(0.47)	NA
Benzo(a)anthracene		NA	NA	NA	ND(0.47)	NA
Benzo(a)pyrene		NA	NA	NA	ND(0.47)	NA
Benzo(b)fluoranthene		NA	NA	NA	ND(0.47)	NA
Benzo(g,h,i)perylene		NA	NA	NA	ND(0.47)	NA
Benzo(k)fluoranthene		NA	NA	NA	ND(0.47)	NA
bis(2-Ethylhexyl)phthalate		NA	NA	NA	ND(0.47)	NA
Butylbenzylphthalate		NA	NA	NA	ND(0.47)	NA
Chrysene		NA	NA	NA	ND(0.47)	NA
Dibenzo(a,h)anthracene		NA	NA	NA	ND(0.47)	NA
Dibenzofuran		NA	NA	NA	ND(0.47)	NA
Di-n-Butylphthalate		NA	NA	NA	ND(0.47)	NA
Fluoranthene		NA	NA	NA	ND(0.47)	NA
Fluorene		NA	NA	NA	ND(0.47)	NA
Indeno(1,2,3-cd)pyrene		NA	NA	NA	ND(0.47)	NA
Naphthalene		NA	NA	NA	ND(0.47)	NA
Phenanthrene		NA	NA	NA	ND(0.47)	NA
Phenol		NA	NA	NA	ND(0.47)	NA
Pyrene		NA	NA	NA	ND(0.47)	NA
<b>Furans</b>						
2,3,7,8-TCDF		NA	NA	NA	NA	NA
TCDFs (total)		NA	NA	NA	NA	NA
1,2,3,7,8-PeCDF		NA	NA	NA	NA	NA
2,3,4,7,8-PeCDF		NA	NA	NA	NA	NA
PeCDFs (total)		NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF		NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF		NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDF		NA	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF		NA	NA	NA	NA	NA
HxCDFs (total)		NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF		NA	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF		NA	NA	NA	NA	NA
HpCDFs (total)		NA	NA	NA	NA	NA
OCDF		NA	NA	NA	NA	NA
<b>Dioxins</b>						
2,3,7,8-TCDD		NA	NA	NA	NA	NA
TCDDs (total)		NA	NA	NA	NA	NA
1,2,3,7,8-PeCDD		NA	NA	NA	NA	NA
PeCDDs (total)		NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDD		NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD		NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDD		NA	NA	NA	NA	NA
HxCDDs (total)		NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD		NA	NA	NA	NA	NA
HpCDDs (total)		NA	NA	NA	NA	NA
OCDD		NA	NA	NA	NA	NA
Total TEQs (WHO TEFs)		NA	NA	NA	NA	NA

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

<b>Parameter</b>	<b>Sample ID: Sample Depth(Feet): Date Collected:</b>	<b>I9-9-1-SB-5 3-5 10/24/05</b>	<b>I9-9-1-SB-5-N 1-3 10/24/05</b>	<b>I9-9-1-SB-5-S 1-3 10/24/05</b>	<b>I9-9-9-SB-2-W 7-9 10/26/05</b>	<b>I9-9-9-SB-3-W 1-3 10/26/05</b>
<b>Inorganics</b>						
Antimony		NA	NA	NA	NA	NA
Arsenic		NA	NA	NA	NA	NA
Barium		NA	NA	NA	NA	NA
Beryllium		NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA
Cobalt		NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA
Lead		16000	1600	1200	15.0	520
Mercury		NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA
Sulfide		74.0	NA	NA	NA	ND(6.60)
Thallium		NA	NA	NA	NA	NA
Tin		NA	NA	NA	NA	NA
Vanadium		NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	I9-9-11-SB-2-E 1-3 10/11/05	I9-9-11-SB-2-S 1-3 10/11/05	I9-9-11-SB-2-W 1-3 10/11/05	I9-9-11-SB-7 10-12 10/14/05
<b>Volatile Organics</b>					
Carbon Disulfide		NA	NA	NA	ND(0.0060) [0.0038 J]
<b>Semivolatile Organics</b>					
2,4-Dimethylphenol		ND(3.9)	ND(0.37)	ND(0.39)	NA
2-Methylnaphthalene		ND(3.9)	0.099 J	ND(0.39)	NA
3&4-Methylphenol		ND(3.9)	ND(0.74)	ND(0.79)	NA
Acenaphthene		0.82 J	0.37	ND(0.39)	NA
Acenaphthylene		ND(3.9)	0.13 J	ND(0.39)	NA
Aniline		ND(3.9)	ND(0.37)	ND(0.39)	NA
Anthracene		3.1 J	0.74	ND(0.39)	NA
Benzo(a)anthracene		5.6	1.9	0.077 J	NA
Benzo(a)pyrene		4.0	1.3	0.070 J	NA
Benzo(b)fluoranthene		3.3 J	1.0	0.073 J	NA
Benzo(g,h,i)perylene		1.8 J	0.63	0.059 J	NA
Benzo(k)fluoranthene		3.6 J	1.0	0.070 J	NA
bis(2-Ethylhexyl)phthalate		ND(1.9)	ND(0.36)	ND(0.39)	NA
Butylbenzylphthalate		ND(3.9)	ND(0.37)	ND(0.39)	NA
Chrysene		5.4	1.9	0.11 J	NA
Dibenzo(a,h)anthracene		0.52 J	ND(0.37)	ND(0.39)	NA
Dibenzofuran		0.61 J	0.20 J	ND(0.39)	NA
Di-n-Butylphthalate		ND(3.9)	ND(0.37)	ND(0.39)	NA
Fluoranthene		12	3.4	0.12 J	NA
Fluorene		0.98 J	0.31 J	ND(0.39)	NA
Indeno(1,2,3-cd)pyrene		1.7 J	0.56	0.051 J	NA
Naphthalene		ND(3.9)	0.32 J	ND(0.39)	NA
Phenanthrene		10	2.8	0.064 J	NA
Phenol		ND(3.9)	ND(0.37)	ND(0.39)	NA
Pyrene		12	3.6	0.14 J	NA
<b>Furans</b>					
2,3,7,8-TCDF		NA	NA	NA	NA
TCDFs (total)		NA	NA	NA	NA
1,2,3,7,8-PeCDF		NA	NA	NA	NA
2,3,4,7,8-PeCDF		NA	NA	NA	NA
PeCDFs (total)		NA	NA	NA	NA
1,2,3,4,7,8-HxCDF		NA	NA	NA	NA
1,2,3,6,7,8-HxCDF		NA	NA	NA	NA
1,2,3,7,8,9-HxCDF		NA	NA	NA	NA
2,3,4,6,7,8-HxCDF		NA	NA	NA	NA
HxCDFs (total)		NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF		NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF		NA	NA	NA	NA
HpCDFs (total)		NA	NA	NA	NA
OCDF		NA	NA	NA	NA
<b>Dioxins</b>					
2,3,7,8-TCDD		NA	NA	NA	NA
TCDDs (total)		NA	NA	NA	NA
1,2,3,7,8-PeCDD		NA	NA	NA	NA
PeCDDs (total)		NA	NA	NA	NA
1,2,3,4,7,8-HxCDD		NA	NA	NA	NA
1,2,3,6,7,8-HxCDD		NA	NA	NA	NA
1,2,3,7,8,9-HxCDD		NA	NA	NA	NA
HxCDDs (total)		NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD		NA	NA	NA	NA
HpCDDs (total)		NA	NA	NA	NA
OCDD		NA	NA	NA	NA
Total TEQs (WHO TEFs)		NA	NA	NA	NA

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

<b>Parameter</b>	<b>Sample ID: Sample Depth(Feet): Date Collected:</b>	<b>I9-9-11-SB-2-E 1-3 10/11/05</b>	<b>I9-9-11-SB-2-S 1-3 10/11/05</b>	<b>I9-9-11-SB-2-W 1-3 10/11/05</b>	<b>I9-9-11-SB-7 10-12 10/14/05</b>
<b>Inorganics</b>					
Antimony		NA	NA	NA	NA
Arsenic		NA	NA	NA	NA
Barium		NA	NA	NA	NA
Beryllium		NA	NA	NA	NA
Cadmium		NA	NA	NA	NA
Chromium		NA	NA	NA	NA
Cobalt		NA	NA	NA	NA
Copper		NA	NA	NA	NA
Lead		NA	NA	NA	NA
Mercury		NA	NA	NA	NA
Nickel		NA	NA	NA	NA
Sulfide		NA	NA	NA	NA
Thallium		NA	NA	NA	NA
Tin		NA	NA	NA	NA
Vanadium		NA	NA	NA	NA
Zinc		NA	NA	NA	NA

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	19-9-11-SB-7 10-15 10/14/05	19-9-11-SB-7-E 3-6 10/14/05	19-9-17-SB-2-E 3-5 10/25/05	19-9-17-SB-2-W 3-5 10/25/05
<b>Volatile Organics</b>					
Carbon Disulfide		NA	NA	NA	NA
<b>Semivolatile Organics</b>					
2,4-Dimethylphenol		ND(0.46) [ND(0.43)]	ND(0.40)	NA	NA
2-Methylnaphthalene		ND(0.46) [ND(0.43)]	ND(0.40)	NA	NA
3&4-Methylphenol		ND(0.93) [ND(0.87)]	ND(0.81)	NA	NA
Acenaphthene		0.057 J [ND(0.43)]	ND(0.40)	NA	NA
Acenaphthylene		ND(0.46) [ND(0.43)]	0.13 J	NA	NA
Aniline		ND(0.46) [ND(0.43)]	ND(0.40)	NA	NA
Anthracene		0.084 J [ND(0.43)]	0.16 J	NA	NA
Benzo(a)anthracene		0.15 J [0.090 J]	0.67	NA	NA
Benzo(a)pyrene		0.085 J [ND(0.43)]	0.58	NA	NA
Benzo(b)fluoranthene		0.081 J [0.048 J]	0.47	NA	NA
Benzo(g,h,i)perylene		0.036 J [ND(0.43)]	0.35 J	NA	NA
Benzo(k)fluoranthene		0.084 J [0.057 J]	0.52	NA	NA
bis(2-Ethylhexyl)phthalate		ND(0.46) [ND(0.43)]	19	NA	NA
Butylbenzylphthalate		ND(0.46) [ND(0.43)]	57	NA	NA
Chrysene		0.15 J [0.088 J]	0.79	NA	NA
Dibenzo(a,h)anthracene		ND(0.46) [ND(0.43)]	0.089 J	NA	NA
Dibenzofuran		ND(0.46) [ND(0.43)]	ND(0.40)	NA	NA
Di-n-Butylphthalate		ND(0.46) [ND(0.43)]	0.055 J	NA	NA
Fluoranthene		0.32 J [0.17 J]	0.99	NA	NA
Fluorene		ND(0.46) [ND(0.43)]	ND(0.40)	NA	NA
Indeno(1,2,3-cd)pyrene		ND(0.46) [ND(0.43)]	0.25 J	NA	NA
Naphthalene		ND(0.46) [ND(0.43)]	0.055 J	NA	NA
Phenanthrene		0.31 J [0.16 J]	0.52	NA	NA
Phenol		ND(0.46) [ND(0.43)]	ND(0.40)	NA	NA
Pyrene		0.33 J [0.17 J]	1.3	NA	NA
<b>Furans</b>					
2,3,7,8-TCDF		ND(0.0000090) X [0.0000018 J]	NA	NA	NA
TCDFs (total)		0.0000051 [0.000011]	NA	NA	NA
1,2,3,7,8-PeCDF		ND(0.0000013) [0.0000019 J]	NA	NA	NA
2,3,4,7,8-PeCDF		ND(0.0000013) [0.0000018 J]	NA	NA	NA
PeCDFs (total)		0.0000018 J [0.0000071 J]	NA	NA	NA
1,2,3,4,7,8-HxCDF		ND(0.0000013) [0.0000034 J]	NA	NA	NA
1,2,3,6,7,8-HxCDF		ND(0.0000013) [0.0000017 J]	NA	NA	NA
1,2,3,7,8,9-HxCDF		ND(0.0000013) [ND(0.0000013)]	NA	NA	NA
2,3,4,6,7,8-HxCDF		ND(0.0000013) [ND(0.0000013)]	NA	NA	NA
HxCDFs (total)		0.0000031 J [0.000012 J]	NA	NA	NA
1,2,3,4,6,7,8-HpCDF		ND(0.0000013) [0.0000026 J]	NA	NA	NA
1,2,3,4,7,8,9-HpCDF		ND(0.0000013) [0.0000015 J]	NA	NA	NA
HpCDFs (total)		ND(0.0000013) [0.0000064 J]	NA	NA	NA
OCDF		ND(0.0000027) [ND(0.0000025)]	NA	NA	NA
<b>Dioxins</b>					
2,3,7,8-TCDD		ND(0.00000038) [ND(0.00000034)]	NA	NA	NA
TCDDs (total)		ND(0.00000075) [ND(0.00000082)]	NA	NA	NA
1,2,3,7,8-PeCDD		ND(0.0000013) [ND(0.0000013)]	NA	NA	NA
PeCDDs (total)		ND(0.0000013) [ND(0.0000013)]	NA	NA	NA
1,2,3,4,7,8-HxCDD		ND(0.0000013) [ND(0.0000013)]	NA	NA	NA
1,2,3,6,7,8-HxCDD		ND(0.0000013) [ND(0.0000013)]	NA	NA	NA
1,2,3,7,8,9-HxCDD		ND(0.0000013) [ND(0.0000013)]	NA	NA	NA
HxCDDs (total)		ND(0.0000013) [ND(0.0000013)]	NA	NA	NA
1,2,3,4,6,7,8-HpCDD		0.0000020 J [0.0000035 J]	NA	NA	NA
HpCDDs (total)		0.0000020 J [0.0000059 J]	NA	NA	NA
OCDD		0.0000090 J [0.000012 J]	NA	NA	NA
Total TEQs (WHO TEFs)		0.0000017 [0.0000029]	NA	NA	NA

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	19-9-11-SB-7 10-15 10/14/05	19-9-11-SB-7-E 3-6 10/14/05	19-9-17-SB-2-E 3-5 10/25/05	19-9-17-SB-2-W 3-5 10/25/05
<b>Inorganics</b>					
Antimony		0.920 B [1.90 B]	NA	NA	NA
Arsenic		5.80 [6.30]	NA	NA	NA
Barium		36.0 [33.0]	NA	NA	NA
Beryllium		0.360 B [0.330 B]	NA	NA	NA
Cadmium		0.170 B [0.120 B]	NA	NA	NA
Chromium		11.0 [12.0]	NA	NA	NA
Cobalt		9.20 [12.0]	NA	NA	NA
Copper		18.0 [21.0]	NA	NA	NA
Lead		7.10 [11.0]	NA	680	180 [170]
Mercury		0.0220 B [0.0220 B]	NA	NA	NA
Nickel		16.0 [19.0]	NA	NA	NA
Sulfide		200 [160]	NA	NA	NA
Thallium		2.30 [2.20]	NA	NA	NA
Tin		1.90 B [2.40 B]	NA	NA	NA
Vanadium		12.0 [13.0]	NA	NA	NA
Zinc		51.0 [58.0]	NA	NA	NA

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	I9-9-18-SB-1-S 1-3 10/25/05	I9-9-24-SB-2SE 13-15 10/18/05	I9-9-24-SB-2W 13-15 10/18/05	I9-9-32-SB-3-E 1-3 10/25/05	I9-9-32-SB-3-W 1-3 10/11/05
<b>Volatile Organics</b>						
Carbon Disulfide		NA	NA	NA	NA	NA
<b>Semivolatile Organics</b>						
2,4-Dimethylphenol		NA	NA	NA	ND(0.38)	ND(0.74)
2-Methylnaphthalene		NA	NA	NA	ND(0.38)	ND(0.74)
3&4-Methylphenol		NA	NA	NA	ND(0.76)	ND(0.82)
Acenaphthene		NA	NA	NA	ND(0.38)	ND(0.74)
Acenaphthylene		NA	NA	NA	1.2	ND(0.74)
Aniline		NA	NA	NA	ND(0.38)	ND(0.74)
Anthracene		NA	NA	NA	0.35 J	ND(0.74)
Benzo(a)anthracene		NA	NA	NA	1.6	ND(0.74)
Benzo(a)pyrene		NA	NA	NA	1.5	ND(0.74)
Benzo(b)fluoranthene		NA	NA	NA	1.1	ND(0.74)
Benzo(g,h,i)perylene		NA	NA	NA	0.93	ND(0.74)
Benzo(k)fluoranthene		NA	NA	NA	1.2	ND(0.74)
bis(2-Ethylhexyl)phthalate		NA	NA	NA	0.38	ND(0.40)
Butylbenzylphthalate		NA	NA	NA	0.64	ND(0.74)
Chrysene		NA	NA	NA	2.3	0.079 J
Dibenzo(a,h)anthracene		NA	NA	NA	0.16 J	ND(0.74)
Dibenzofuran		NA	NA	NA	ND(0.38)	ND(0.74)
Di-n-Butylphthalate		NA	NA	NA	ND(0.38)	ND(0.74)
Fluoranthene		NA	NA	NA	2.6	0.11 J
Fluorene		NA	NA	NA	ND(0.38)	ND(0.74)
Indeno(1,2,3-cd)pyrene		NA	NA	NA	0.71	ND(0.74)
Naphthalene		NA	NA	NA	ND(0.38)	ND(0.74)
Phenanthrene		NA	NA	NA	0.80	ND(0.74)
Phenol		NA	NA	NA	ND(0.38)	ND(0.74)
Pyrene		NA	NA	NA	3.2	0.12 J
<b>Furans</b>						
2,3,7,8-TCDF		NA	0.0000076 J	0.0000081 Y	NA	NA
TCDFs (total)		NA	0.0000076 J	0.00011	NA	NA
1,2,3,7,8-PeCDF		NA	ND(0.000019)	0.0000044 J	NA	NA
2,3,4,7,8-PeCDF		NA	ND(0.000019)	0.0000091 J	NA	NA
PeCDFs (total)		NA	ND(0.000019)	0.000083	NA	NA
1,2,3,4,7,8-HxCDF		NA	ND(0.000019)	0.000013 J	NA	NA
1,2,3,6,7,8-HxCDF		NA	ND(0.000019)	0.0000069 J	NA	NA
1,2,3,7,8,9-HxCDF		NA	ND(0.000019)	ND(0.0000036)	NA	NA
2,3,4,6,7,8-HxCDF		NA	ND(0.000019)	0.0000058 J	NA	NA
HxCDFs (total)		NA	ND(0.000019)	0.000082	NA	NA
1,2,3,4,6,7,8-HpCDF		NA	ND(0.000019)	0.000019 J	NA	NA
1,2,3,4,7,8,9-HpCDF		NA	ND(0.000019)	0.0000039 J	NA	NA
HpCDFs (total)		NA	ND(0.000019)	0.000045	NA	NA
OCDF		NA	ND(0.0000037)	0.000022 J	NA	NA
<b>Dioxins</b>						
2,3,7,8-TCDD		NA	ND(0.0000043)	0.0000095 J	NA	NA
TCDDs (total)		NA	ND(0.000012)	0.0000032 J	NA	NA
1,2,3,7,8-PeCDD		NA	ND(0.000019)	ND(0.0000036)	NA	NA
PeCDDs (total)		NA	ND(0.000019)	0.0000065 J	NA	NA
1,2,3,4,7,8-HxCDD		NA	ND(0.000019)	ND(0.0000036)	NA	NA
1,2,3,6,7,8-HxCDD		NA	ND(0.000019)	ND(0.0000036)	NA	NA
1,2,3,7,8,9-HxCDD		NA	ND(0.000019)	ND(0.0000036)	NA	NA
HxCDDs (total)		NA	ND(0.000019)	0.000021 J	NA	NA
1,2,3,4,6,7,8-HpCDD		NA	0.0000032 J	0.000037	NA	NA
HpCDDs (total)		NA	0.0000058 J	0.000073	NA	NA
OCDD		NA	0.000065	0.00038	NA	NA
Total TEQs (WHO TEFs)		NA	0.0000025	0.000012	NA	NA



**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

<b>Parameter</b>	<b>Sample ID: Sample Depth(Feet): Date Collected:</b>	<b>I9-9-18-SB-1-S 1-3 10/25/05</b>	<b>I9-9-24-SB-2SE 13-15 10/18/05</b>	<b>I9-9-24-SB-2W 13-15 10/18/05</b>	<b>I9-9-32-SB-3-E 1-3 10/25/05</b>	<b>I9-9-32-SB-3-W 1-3 10/11/05</b>
<b>Inorganics</b>						
Antimony		NA	NA	NA	NA	NA
Arsenic		NA	NA	NA	NA	NA
Barium		NA	NA	NA	NA	NA
Beryllium		NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA
Cobalt		NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA
Lead		330	3.20	580	NA	NA
Mercury		NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA
Sulfide		NA	NA	NA	NA	NA
Thallium		NA	NA	NA	NA	NA
Tin		NA	NA	NA	NA	NA
Vanadium		NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	I9-9-34-SB-1-NE 1-3 10/11/05	I9-9-34-SB-1-NW 1-3 10/25/05	I9-10-8-SB-16-N 0-1 10/24/05	I9-10-8-SB-16-N 1-3 10/24/05
<b>Volatile Organics</b>					
Carbon Disulfide		NA	NA	NA	NA
<b>Semivolatile Organics</b>					
2,4-Dimethylphenol		ND(9.2) [ND(4.3)]	ND(0.37)	NA	NA
2-Methylnaphthalene		ND(9.2) [0.47 J]	ND(0.37)	NA	NA
3&4-Methylphenol		ND(9.2) [0.70 J]	ND(0.74)	NA	NA
Acenaphthene		18 [12]	0.065 J	NA	NA
Acenaphthylene		ND(9.2) [3.0 J]	0.22 J	NA	NA
Aniline		120 [41]	ND(0.37)	NA	NA
Anthracene		42 [24]	0.26 J	NA	NA
Benzo(a)anthracene		82 [50]	2.0	NA	NA
Benzo(a)pyrene		55 [30]	1.6	NA	NA
Benzo(b)fluoranthene		41 [22]	1.4	NA	NA
Benzo(g,h,i)perylene		27 [14]	0.91	NA	NA
Benzo(k)fluoranthene		43 [27]	1.6	NA	NA
bis(2-Ethylhexyl)phthalate		ND(4.6) [ND(2.1)]	0.44	NA	NA
Butylbenzylphthalate		ND(9.2) [ND(4.3)]	0.33 J	NA	NA
Chrysene		76 [46]	2.0	NA	NA
Dibenzo(a,h)anthracene		ND(9.2) [2.9 J]	0.19 J	NA	NA
Dibenzofuran		13 [8.4]	ND(0.37)	NA	NA
Di-n-Butylphthalate		ND(9.2) [ND(4.3)]	ND(0.37)	NA	NA
Fluoranthene		130 [73]	2.9	NA	NA
Fluorene		25 [15]	ND(0.37)	NA	NA
Indeno(1,2,3-cd)pyrene		25 [13]	0.82	NA	NA
Naphthalene		2.5 J [1.5 J]	0.045 J	NA	NA
Phenanthrene		110 [59]	1.1	NA	NA
Phenol		9.6 [3.9 J]	ND(0.37)	NA	NA
Pyrene		150 [110]	2.8	NA	NA
<b>Furans</b>					
2,3,7,8-TCDF		NA	NA	NA	NA
TCDFs (total)		NA	NA	NA	NA
1,2,3,7,8-PeCDF		NA	NA	NA	NA
2,3,4,7,8-PeCDF		NA	NA	NA	NA
PeCDFs (total)		NA	NA	NA	NA
1,2,3,4,7,8-HxCDF		NA	NA	NA	NA
1,2,3,6,7,8-HxCDF		NA	NA	NA	NA
1,2,3,7,8,9-HxCDF		NA	NA	NA	NA
2,3,4,6,7,8-HxCDF		NA	NA	NA	NA
HxCDFs (total)		NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF		NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF		NA	NA	NA	NA
HpCDFs (total)		NA	NA	NA	NA
OCDF		NA	NA	NA	NA
<b>Dioxins</b>					
2,3,7,8-TCDD		NA	NA	NA	NA
TCDDs (total)		NA	NA	NA	NA
1,2,3,7,8-PeCDD		NA	NA	NA	NA
PeCDDs (total)		NA	NA	NA	NA
1,2,3,4,7,8-HxCDD		NA	NA	NA	NA
1,2,3,6,7,8-HxCDD		NA	NA	NA	NA
1,2,3,7,8,9-HxCDD		NA	NA	NA	NA
HxCDDs (total)		NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD		NA	NA	NA	NA
HpCDDs (total)		NA	NA	NA	NA
OCDD		NA	NA	NA	NA
Total TEQs (WHO TEFs)		NA	NA	NA	NA

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	I9-9-34-SB-1-NE 1-3 10/11/05	I9-9-34-SB-1-NW 1-3 10/25/05	I9-10-8-SB-16-N 0-1 10/24/05	I9-10-8-SB-16-N 1-3 10/24/05
<b>Inorganics</b>					
Antimony		NA	NA	NA	NA
Arsenic		NA	NA	NA	NA
Barium		NA	NA	NA	NA
Beryllium		NA	NA	NA	NA
Cadmium		NA	NA	NA	NA
Chromium		NA	NA	NA	NA
Cobalt		NA	NA	NA	NA
Copper		NA	NA	NA	NA
Lead		NA	NA	240	80.0
Mercury		NA	NA	NA	NA
Nickel		NA	NA	NA	NA
Sulfide		NA	NA	NA	NA
Thallium		NA	NA	NA	NA
Tin		NA	NA	NA	NA
Vanadium		NA	NA	NA	NA
Zinc		NA	NA	NA	NA

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	I9-10-8-SB-16-S 0-1 10/24/05	I9-10-8-SB-16-S 1-3 10/24/05	I9-10-8-SB-19 3-5 10/25/05	I9-10-8-SB-19-N 0-1 10/25/05	I9-10-8-SB-19-N 1-3 10/25/05
<b>Volatile Organics</b>						
Carbon Disulfide		NA	NA	NA	NA	NA
<b>Semivolatile Organics</b>						
2,4-Dimethylphenol		NA	NA	NA	NA	NA
2-Methylnaphthalene		NA	NA	NA	NA	NA
3&4-Methylphenol		NA	NA	NA	NA	NA
Acenaphthene		NA	NA	NA	NA	NA
Acenaphthylene		NA	NA	NA	NA	NA
Aniline		NA	NA	NA	NA	NA
Anthracene		NA	NA	NA	NA	NA
Benzo(a)anthracene		NA	NA	NA	NA	NA
Benzo(a)pyrene		NA	NA	NA	NA	NA
Benzo(b)fluoranthene		NA	NA	NA	NA	NA
Benzo(g,h,i)perylene		NA	NA	NA	NA	NA
Benzo(k)fluoranthene		NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate		NA	NA	NA	NA	NA
Butylbenzylphthalate		NA	NA	NA	NA	NA
Chrysene		NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene		NA	NA	NA	NA	NA
Dibenzofuran		NA	NA	NA	NA	NA
Di-n-Butylphthalate		NA	NA	NA	NA	NA
Fluoranthene		NA	NA	NA	NA	NA
Fluorene		NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene		NA	NA	NA	NA	NA
Naphthalene		NA	NA	NA	NA	NA
Phenanthrene		NA	NA	NA	NA	NA
Phenol		NA	NA	NA	NA	NA
Pyrene		NA	NA	NA	NA	NA
<b>Furans</b>						
2,3,7,8-TCDF		NA	NA	NA	NA	NA
TCDFs (total)		NA	NA	NA	NA	NA
1,2,3,7,8-PeCDF		NA	NA	NA	NA	NA
2,3,4,7,8-PeCDF		NA	NA	NA	NA	NA
PeCDFs (total)		NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDF		NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF		NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDF		NA	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF		NA	NA	NA	NA	NA
HxCDFs (total)		NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF		NA	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF		NA	NA	NA	NA	NA
HpCDFs (total)		NA	NA	NA	NA	NA
OCDF		NA	NA	NA	NA	NA
<b>Dioxins</b>						
2,3,7,8-TCDD		NA	NA	NA	NA	NA
TCDDs (total)		NA	NA	NA	NA	NA
1,2,3,7,8-PeCDD		NA	NA	NA	NA	NA
PeCDDs (total)		NA	NA	NA	NA	NA
1,2,3,4,7,8-HxCDD		NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD		NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDD		NA	NA	NA	NA	NA
HxCDDs (total)		NA	NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD		NA	NA	NA	NA	NA
HpCDDs (total)		NA	NA	NA	NA	NA
OCDD		NA	NA	NA	NA	NA
Total TEQs (WHO TEFs)		NA	NA	NA	NA	NA

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	I9-10-8-SB-16-S 0-1 10/24/05	I9-10-8-SB-16-S 1-3 10/24/05	I9-10-8-SB-19 3-5 10/25/05	I9-10-8-SB-19-N 0-1 10/25/05	I9-10-8-SB-19-N 1-3 10/25/05
<b>Inorganics</b>						
Antimony		NA	NA	NA	NA	NA
Arsenic		NA	NA	NA	NA	NA
Barium		NA	NA	NA	NA	NA
Beryllium		NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA
Cobalt		NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA
Lead		1300	1300	NA	NA	NA
Mercury		NA	NA	29.0	14.0	0.310
Nickel		NA	NA	NA	NA	NA
Sulfide		NA	NA	NA	NA	NA
Thallium		NA	NA	NA	NA	NA
Tin		NA	NA	NA	NA	NA
Vanadium		NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

<b>Parameter</b>	<b>Sample ID: Sample Depth(Feet): Date Collected:</b>	<b>I9-10-8-SB-19-SE 0-1 10/25/05</b>	<b>I9-10-8-SB-19-SE 1-3 10/25/05</b>	<b>I9-10-8-SB-19-SW 0-1 10/25/05</b>	<b>I9-10-8-SB-19-SW 1-3 10/25/05</b>
<b>Volatile Organics</b>					
Carbon Disulfide		NA	NA	NA	NA
<b>Semivolatile Organics</b>					
2,4-Dimethylphenol		NA	NA	NA	NA
2-Methylnaphthalene		NA	NA	NA	NA
3&4-Methylphenol		NA	NA	NA	NA
Acenaphthene		NA	NA	NA	NA
Acenaphthylene		NA	NA	NA	NA
Aniline		NA	NA	NA	NA
Anthracene		NA	NA	NA	NA
Benzo(a)anthracene		NA	NA	NA	NA
Benzo(a)pyrene		NA	NA	NA	NA
Benzo(b)fluoranthene		NA	NA	NA	NA
Benzo(g,h,i)perylene		NA	NA	NA	NA
Benzo(k)fluoranthene		NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate		NA	NA	NA	NA
Butylbenzylphthalate		NA	NA	NA	NA
Chrysene		NA	NA	NA	NA
Dibenzo(a,h)anthracene		NA	NA	NA	NA
Dibenzofuran		NA	NA	NA	NA
Di-n-Butylphthalate		NA	NA	NA	NA
Fluoranthene		NA	NA	NA	NA
Fluorene		NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene		NA	NA	NA	NA
Naphthalene		NA	NA	NA	NA
Phenanthrene		NA	NA	NA	NA
Phenol		NA	NA	NA	NA
Pyrene		NA	NA	NA	NA
<b>Furans</b>					
2,3,7,8-TCDF		NA	NA	NA	NA
TCDFs (total)		NA	NA	NA	NA
1,2,3,7,8-PeCDF		NA	NA	NA	NA
2,3,4,7,8-PeCDF		NA	NA	NA	NA
PeCDFs (total)		NA	NA	NA	NA
1,2,3,4,7,8-HxCDF		NA	NA	NA	NA
1,2,3,6,7,8-HxCDF		NA	NA	NA	NA
1,2,3,7,8,9-HxCDF		NA	NA	NA	NA
2,3,4,6,7,8-HxCDF		NA	NA	NA	NA
HxCDFs (total)		NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDF		NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF		NA	NA	NA	NA
HpCDFs (total)		NA	NA	NA	NA
OCDF		NA	NA	NA	NA
<b>Dioxins</b>					
2,3,7,8-TCDD		NA	NA	NA	NA
TCDDs (total)		NA	NA	NA	NA
1,2,3,7,8-PeCDD		NA	NA	NA	NA
PeCDDs (total)		NA	NA	NA	NA
1,2,3,4,7,8-HxCDD		NA	NA	NA	NA
1,2,3,6,7,8-HxCDD		NA	NA	NA	NA
1,2,3,7,8,9-HxCDD		NA	NA	NA	NA
HxCDDs (total)		NA	NA	NA	NA
1,2,3,4,6,7,8-HpCDD		NA	NA	NA	NA
HpCDDs (total)		NA	NA	NA	NA
OCDD		NA	NA	NA	NA
Total TEQs (WHO TEFs)		NA	NA	NA	NA

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

<b>Parameter</b>	<b>Sample ID: Sample Depth(Feet): Date Collected:</b>	<b>I9-10-8-SB-19-SE 0-1 10/25/05</b>	<b>I9-10-8-SB-19-SE 1-3 10/25/05</b>	<b>I9-10-8-SB-19-SW 0-1 10/25/05</b>	<b>I9-10-8-SB-19-SW 1-3 10/25/05</b>
<b>Inorganics</b>					
Antimony		NA	NA	NA	NA
Arsenic		NA	NA	NA	NA
Barium		NA	NA	NA	NA
Beryllium		NA	NA	NA	NA
Cadmium		NA	NA	NA	NA
Chromium		NA	NA	NA	NA
Cobalt		NA	NA	NA	NA
Copper		NA	NA	NA	NA
Lead		NA	NA	NA	NA
Mercury		1.10	2.40	3.20	ND(0.120)
Nickel		NA	NA	NA	NA
Sulfide		NA	NA	NA	NA
Thallium		NA	NA	NA	NA
Tin		NA	NA	NA	NA
Vanadium		NA	NA	NA	NA
Zinc		NA	NA	NA	NA

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RA-3-SB-1-E 1-3 10/11/05	RA-3-SB-9-E 1-3 10/10/05	RA-3-SB-15-E 0-1 10/11/05	RA-3-SB-15-E 1-3 10/11/05	RA-3-SB-15-W 0-1 10/11/05
<b>Volatile Organics</b>						
Carbon Disulfide		NA	NA	NA	NA	NA
<b>Semivolatile Organics</b>						
2,4-Dimethylphenol		ND(0.39)	NA	1.3 J	ND(4.0)	ND(4.1)
2-Methylnaphthalene		ND(0.39)	NA	5.5	0.89 J	ND(4.1)
3&4-Methylphenol		ND(0.79)	NA	1.0 J	ND(4.0)	ND(4.1)
Acenaphthene		ND(0.39)	NA	14	9.3	ND(4.1)
Acenaphthylene		0.056 J	NA	4.9	1.7 J	ND(4.1)
Aniline		ND(0.39)	NA	4.2 J	ND(4.0)	ND(4.1)
Anthracene		0.048 J	NA	25	33	ND(4.1)
Benzo(a)anthracene		0.13 J	NA	56	78	1.5 J
Benzo(a)pyrene		0.13 J	NA	40	46	1.2 J
Benzo(b)fluoranthene		0.12 J	NA	32	36	1.4 J
Benzo(g,h,i)perylene		0.081 J	NA	18	18	0.83 J
Benzo(k)fluoranthene		0.12 J	NA	38	41	1.5 J
bis(2-Ethylhexyl)phthalate		ND(0.39)	NA	4.4	ND(2.0)	ND(2.0)
Butylbenzylphthalate		ND(0.39)	NA	ND(4.6)	ND(4.0)	ND(4.1)
Chrysene		0.17 J	NA	57	69	1.9 J
Dibenzo(a,h)anthracene		ND(0.39)	NA	4.9	5.3	ND(4.1)
Dibenzofuran		ND(0.39)	NA	7.7	3.7 J	ND(4.1)
Di-n-Butylphthalate		ND(0.39)	NA	0.99 J	ND(4.0)	ND(4.1)
Fluoranthene		0.23 J	NA	120	120	2.9 J
Fluorene		ND(0.39)	NA	16	9.8	ND(4.1)
Indeno(1,2,3-cd)pyrene		0.051 J	NA	18	18	0.51 J
Naphthalene		ND(0.39)	NA	12	0.99 J	ND(4.1)
Phenanthrene		0.16 J	NA	83	69	1.6 J
Phenol		0.045 J	NA	ND(4.6)	ND(4.0)	ND(4.1)
Pyrene		0.29 J	NA	130	120	3.4 J
<b>Furans</b>						
2,3,7,8-TCDF		NA	0.0000013 J	NA	NA	NA
TCDFs (total)		NA	0.000017	NA	NA	NA
1,2,3,7,8-PeCDF		NA	0.0000015 J	NA	NA	NA
2,3,4,7,8-PeCDF		NA	0.0000013 J	NA	NA	NA
PeCDFs (total)		NA	0.000013	NA	NA	NA
1,2,3,4,7,8-HxCDF		NA	0.0000017 J	NA	NA	NA
1,2,3,6,7,8-HxCDF		NA	ND(0.0000013) X	NA	NA	NA
1,2,3,7,8,9-HxCDF		NA	ND(0.0000011)	NA	NA	NA
2,3,4,6,7,8-HxCDF		NA	ND(0.0000011)	NA	NA	NA
HxCDFs (total)		NA	0.0000060 J	NA	NA	NA
1,2,3,4,6,7,8-HpCDF		NA	0.0000047 J	NA	NA	NA
1,2,3,4,7,8,9-HpCDF		NA	ND(0.0000011)	NA	NA	NA
HpCDFs (total)		NA	0.0000047 J	NA	NA	NA
OCDF		NA	0.0000033 J	NA	NA	NA
<b>Dioxins</b>						
2,3,7,8-TCDD		NA	ND(0.00000027)	NA	NA	NA
TCDDs (total)		NA	0.0000093	NA	NA	NA
1,2,3,7,8-PeCDD		NA	ND(0.0000011)	NA	NA	NA
PeCDDs (total)		NA	0.000012	NA	NA	NA
1,2,3,4,7,8-HxCDD		NA	ND(0.0000011)	NA	NA	NA
1,2,3,6,7,8-HxCDD		NA	ND(0.0000011)	NA	NA	NA
1,2,3,7,8,9-HxCDD		NA	ND(0.0000011)	NA	NA	NA
HxCDDs (total)		NA	0.000014	NA	NA	NA
1,2,3,4,6,7,8-HpCDD		NA	0.0000094 J	NA	NA	NA
HpCDDs (total)		NA	0.000020	NA	NA	NA
OCDD		NA	0.00072	NA	NA	NA
Total TEQs (WHO TEFs)		NA	0.0000023	NA	NA	NA



**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

<b>Parameter</b>	<b>Sample ID: Sample Depth(Feet): Date Collected:</b>	<b>RA-3-SB-1-E 1-3 10/11/05</b>	<b>RA-3-SB-9-E 1-3 10/10/05</b>	<b>RA-3-SB-15-E 0-1 10/11/05</b>	<b>RA-3-SB-15-E 1-3 10/11/05</b>	<b>RA-3-SB-15-W 0-1 10/11/05</b>
<b>Inorganics</b>						
Antimony		NA	NA	NA	NA	NA
Arsenic		NA	NA	NA	NA	NA
Barium		NA	NA	NA	NA	NA
Beryllium		NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA
Cobalt		NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA
Mercury		NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA
Sulfide		NA	NA	NA	NA	NA
Thallium		NA	NA	NA	NA	NA
Tin		NA	NA	NA	NA	NA
Vanadium		NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RA-3-SB-15-W 1-3 10/11/05	RA-5-SB-2-N 0-1 10/10/05	RA-5-SB-2-S 0-1 10/10/05	RA-5-SB-2-W 0-1 10/11/05
<b>Volatile Organics</b>					
Carbon Disulfide		NA	NA	NA	NA
<b>Semivolatile Organics</b>					
2,4-Dimethylphenol		ND(3.8)	NA	NA	NA
2-Methylnaphthalene		11	NA	NA	NA
3&4-Methylphenol		ND(3.8)	NA	NA	NA
Acenaphthene		21	NA	NA	NA
Acenaphthylene		ND(3.8)	NA	NA	NA
Aniline		ND(3.8)	NA	NA	NA
Anthracene		33	NA	NA	NA
Benzo(a)anthracene		47	NA	NA	NA
Benzo(a)pyrene		28	NA	NA	NA
Benzo(b)fluoranthene		24	NA	NA	NA
Benzo(g,h,i)perylene		10	NA	NA	NA
Benzo(k)fluoranthene		29	NA	NA	NA
bis(2-Ethylhexyl)phthalate		ND(1.9)	NA	NA	NA
Butylbenzylphthalate		ND(3.8)	NA	NA	NA
Chrysene		42	NA	NA	NA
Dibenzo(a,h)anthracene		4.8	NA	NA	NA
Dibenzofuran		16	NA	NA	NA
Di-n-Butylphthalate		ND(3.8)	NA	NA	NA
Fluoranthene		110	NA	NA	NA
Fluorene		17	NA	NA	NA
Indeno(1,2,3-cd)pyrene		11	NA	NA	NA
Naphthalene		40	NA	NA	NA
Phenanthrene		120	NA	NA	NA
Phenol		ND(3.8)	NA	NA	NA
Pyrene		110	NA	NA	NA
<b>Furans</b>					
2,3,7,8-TCDF		NA	0.000049 Y	0.000011 J	0.00021 Y [0.00019 Y]
TCDFs (total)		NA	0.000046	0.000060	0.0063 I [0.0059]
1,2,3,7,8-PeCDF		NA	0.000025 J	0.000032 J	0.000054 J [0.000062 J]
2,3,4,7,8-PeCDF		NA	0.000040 J	0.000071 J	0.00078 [0.00090]
PeCDFs (total)		NA	0.000046	0.00010	0.0090 I [0.011]
1,2,3,4,7,8-HxCDF		NA	0.000033 J	0.000047 J	0.00047 [0.00042]
1,2,3,6,7,8-HxCDF		NA	0.000026 J	0.000045 J	0.00032 [0.00030]
1,2,3,7,8,9-HxCDF		NA	ND(0.000012)	ND(0.000015)	0.00011 [0.00011]
2,3,4,6,7,8-HxCDF		NA	0.000045 J	0.000010 J	0.00063 [0.00074]
HxCDFs (total)		NA	0.000058	0.00014	0.010 [0.012]
1,2,3,4,6,7,8-HpCDF		NA	0.000014	0.000025	0.00095 [0.00090]
1,2,3,4,7,8,9-HpCDF		NA	0.000013 J	0.000020 J	0.00021 [0.00018]
HpCDFs (total)		NA	0.000035	0.000062	0.0025 [0.0025]
OCDF		NA	0.000022 J	0.000034	0.00053 [0.00048]
<b>Dioxins</b>					
2,3,7,8-TCDD		NA	ND(0.0000042)	ND(0.0000029)	0.000088 J [0.000079 J]
TCDDs (total)		NA	0.000012 J	0.000028	0.00023 [0.00022]
1,2,3,7,8-PeCDD		NA	ND(0.000012)	0.000012 J	ND(0.000075) X [ND(0.000086) X]
PeCDDs (total)		NA	0.000016 J	0.000035 J	0.00044 [0.00046 Q]
1,2,3,4,7,8-HxCDD		NA	ND(0.000012)	0.000014 J	0.000053 J [0.000064 J]
1,2,3,6,7,8-HxCDD		NA	0.000022 J	0.000034 J	0.00010 [0.00012]
1,2,3,7,8,9-HxCDD		NA	0.000016 J	0.000024 J	0.000098 [0.00012]
HxCDDs (total)		NA	0.000017	0.000027	0.0010 [0.0011]
1,2,3,4,6,7,8-HpCDD		NA	0.000043	0.000064	0.0012 [0.0013]
HpCDDs (total)		NA	0.00011	0.00012	0.0021 [0.0023]
OCDD		NA	0.00028	0.00053	0.0036 [0.0036]
Total TEQs (WHO TEFs)		NA	0.000056	0.000088	0.00066 [0.00073]

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

<b>Parameter</b>	<b>Sample ID: Sample Depth(Feet): Date Collected:</b>	<b>RA-3-SB-15-W 1-3 10/11/05</b>	<b>RA-5-SB-2-N 0-1 10/10/05</b>	<b>RA-5-SB-2-S 0-1 10/10/05</b>	<b>RA-5-SB-2-W 0-1 10/11/05</b>
<b>Inorganics</b>					
Antimony		NA	NA	NA	NA
Arsenic		NA	NA	NA	NA
Barium		NA	NA	NA	NA
Beryllium		NA	NA	NA	NA
Cadmium		NA	NA	NA	NA
Chromium		NA	NA	NA	NA
Cobalt		NA	NA	NA	NA
Copper		NA	NA	NA	NA
Lead		NA	NA	NA	NA
Mercury		NA	NA	NA	NA
Nickel		NA	NA	NA	NA
Sulfide		NA	NA	NA	NA
Thallium		NA	NA	NA	NA
Tin		NA	NA	NA	NA
Vanadium		NA	NA	NA	NA
Zinc		NA	NA	NA	NA

**TABLE 20-3  
DATA RECEIVED DURING NOVEMBER 2005**

**ADDITIONAL PRE-DESIGN INVESTIGATION SOIL SAMPLING  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of Appendix IX+3 constituents.
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
5. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
6. Field duplicate sample results are presented in brackets.

Data Qualifiers:

Organics (volatiles, semivolatiles, dioxin/furans)

- J - Indicates an estimated value less than the practical quantitation limit (PQL).
- I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
- Q - Indicates the presence of quantitative interferences.
- X - Estimated maximum possible concentration.
- Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

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

**TABLE 20-4  
PCB DATA RECEIVED DURING NOVEMBER 2005**

**SILVER LAKE BENCH SCALE STUDY  
SILVER LAKE AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
SL-D10-WATER-1	11/2/2005	ND(0.000042)	ND(0.000042)	ND(0.000042)	ND(0.000042)	ND(0.000042)	ND(0.000042)	ND(0.000042)	ND(0.000042)
SL-D11-WATER-1	11/2/2005	ND(0.000043)	ND(0.000043)	ND(0.000043)	ND(0.000043)	ND(0.000043)	ND(0.000043)	ND(0.000043)	ND(0.000043)
SL-D12-WATER-1	11/2/2005	ND(0.000040)	ND(0.000040)	ND(0.000040)	ND(0.000040)	ND(0.000040)	ND(0.000040)	ND(0.000040)	ND(0.000040)
SL-D14-WATER-1	11/2/2005	ND(0.000042)	ND(0.000042)	ND(0.000042)	ND(0.000042)	0.000067 PE	0.000043 AF	0.000044 AG	0.000154

Notes:

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

Data Qualifiers:

AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.  
 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 PCBs present in a sample that has undergone environmental alteration.

**ITEM 21  
GROUNDWATER MANAGEMENT AREAS  
PLANT SITE 1 (GMA 1)  
(GEC310)  
NOVEMBER 2005**

\* All activities described below for this item were conducted pursuant to the Consent Decree.

**a. Activities Undertaken/Completed**

**General:**

- Conducted routine groundwater elevation and NAPL monitoring at certain locations that were inaccessible or not located during the October 2005 groundwater and NAPL monitoring round.
- Conducted an inspection of riverbank areas adjacent to GMA 1. This inspection was performed to satisfy semi-annual inspection requirements, as well as to assess conditions following a high-flow event recorded in October 2005.

**East Street Area 1-North and South:**

- Continued automated groundwater and NAPL pumping at North Side and South Side Caissons. Approximately 4.0 gallons of LNAPL were recovered from the North Side Caisson, and approximately 2.0 gallons of LNAPL were recovered from the South Side Caisson in November.
- Continued routine well monitoring and manual NAPL removal activities. Approximately 0.025 liter (0.007 gallon) of LNAPL was removed from this area during November.

**East Street Area 2-South:**

- Continued automated groundwater and LNAPL removal activities. A total of approximately 5,864,169 gallons of groundwater was recovered from pumping systems 64R, 64S, 64V, 64X, RW-1(S), RW-1(X), and RW-2(X). In addition, approximately 1,006 gallons of LNAPL were removed from pumping systems 64R, 64V, RW-1(S), RW-1(X), 64X, and 64S Caisson.
- Continued automated DNAPL removal activities. Removed approximately 51 gallons of DNAPL from pumping system RW-3(X).
- Continued routine well monitoring and manual NAPL removal activities. Approximately 7.77 liters (2.05 gallons) of LNAPL was removed from wells in this area during November.
- Treated/discharged 5,385,131 gallons of water through 64G Groundwater Treatment Facility.

**ITEM 21**  
**(cont'd)**  
**GROUNDWATER MANAGEMENT AREAS**  
**PLANT SITE 1 (GMA 1)**  
**(GEC310)**  
**NOVEMBER 2005**

**a. Activities Undertaken/Completed (cont'd)**

**East Street Area 2-North:**

- Continued routine well monitoring and NAPL removal activities. No NAPL was recovered from this area during November.

**20s, 30s, and 40s Complexes:**

- Continued routine well monitoring and NAPL removal activities. No NAPL was recovered from this area during November.

**Lyman Street Area:**

- Continued automated groundwater and NAPL removal activities. A total of approximately 412,936 gallons of groundwater was recovered from pumping systems RW-1R, RW-2, and RW-3. No LNAPL was removed from the automated recovery systems during November.
- Continued routine well monitoring and NAPL removal activities. Approximately 2.83 liters (0.75 gallon) of DNAPL was removed from wells in this area during November.

**Newell Street Area II:**

- Continued routine well monitoring and NAPL removal activities. Approximately 0.03 liter (0.008 gallon) of DNAPL was recovered from this area during November. Monitoring wells N2SC-01I, N2SC-01I(R), N2SC-03I, N2SC-03I(R), N2SC-08, N2SC-14, NS-15, NS-30, and NS-32 could not be accessed for monitoring due to ongoing excavation activities in this area.

**Silver Lake Area:**

- Continued routine monitoring of monitoring well pairs around lake and staff gauge in lake.

**b. Sampling/Test Results Received**

See attached tables.

**c. Work Plans/Reports/Documents Submitted**

None

**ITEM 21**  
**(cont'd)**  
**GROUNDWATER MANAGEMENT AREAS**  
**PLANT SITE 1 (GMA 1)**  
**(GEC310)**  
**NOVEMBER 2005**

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

- Continue routine monitoring activities.
- Evaluate NAPL thickness and groundwater elevation data.
- Validate groundwater analytical data and begin preparation of the Fall 2005 Groundwater Quality Monitoring Interim Report.
- Following EPA approval of proposed activities contained in GE's Spring 2005 NAPL Monitoring Report (submitted on August 30, 2005), GE will:
  - Install LNAPL monitoring wells GMA1-22, GMA1-23, and GMA1-24 in East Street Area 2-South.
  - Remove oil skimmer from well 40R and place it in well GMA1-17W.
  - Decommission 31 wells at the Lyman Street Area.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

- The automated DNAPL recovery systems for Newell Street Area II were shut down on July 25, 2005 pursuant to EPA approval of GE's June 7 and 23, 2005 proposals. Each system has been disconnected from the associated recovery wells and the System 1 control shed has been removed. Pipelines scheduled for replacement have been drained and removed. Two replacement recovery wells (N2SC-1I(R) and N2SC-3I(R)) have been installed and developed. The upgraded recovery system will be completed and activated approximately 2 to 3 months after completion of the EPA-approved soil remediation activities in this area.
- As discussed with EPA, GE plans to monitor all remaining wells associated with the Newell Street Area II DNAPL recovery systems on a weekly basis and remove DNAPL accumulations greater than 0.5 feet on a monthly basis until the upgraded recovery system is activated. However, those wells could not be monitored during November because of access issues related to ongoing soil remediation activities.

**f. Proposed/Approved Work Plan Modifications**

Several program modifications were proposed in the Spring 2005 NAPL Monitoring Report (see Item 21.d above).



**TABLE 21-1  
AUTOMATED LNAPL & GROUNDWATER RECOVERY SYSTEMS MONTHLY SUMMARY  
EAST STREET AREA 1 - NORTH & SOUTH  
GROUNDWATER MANAGEMENT AREA 1**

**CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
November 2005**

<b>Caisson</b>	<b>Month</b>	<b>Vol. LNAPL Collected (gallon)</b>	<b>Vol. Water Recovered (gallon)</b>	<b>Percent Downtime</b>
Northside	November 2004	0.0	18,300	0.31 - Power Outage
	December 2004	35.0	32,200	
	January 2005	2.0	32,600	
	February 2005	3.0	24,700	
	March 2005	1.0	34,700	
	April 2005	0.0	37,100	1.72 - Power Outage
	May 2005	20.0	16,300	
	June 2005	22.0	21,000	8.57 - Maintenance
	July 2005	0.0	16,600	
	August 2005	1.0	16,000	
	September 2005	4.0	10,400	4.91
	October 2005	24.0	8,900	26.34
Southside	November 2004	2.0	69,600	0.31 - Power Outage
	December 2005	4.0	98,300	
	January 2005	1.0	77,400	
	February 2005	1.0	76,500	
	March 2005	1.0	98,200	
	April 2005	0.0	99,900	1.72 - Power Outage
	May 2005	0.0	86,600	
	June 2005	2.0	100,300	
	July 2005	0.0	45,800	
	August 2005	1.0	37,100	
	September 2005	9.0	56,300	4.91
	October 2005	4.0	71,000	4.91
November 2005	2.0	96,600		

**TABLE 21-2  
 MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL  
 EAST STREET AREA 1 - NORTH & SOUTH  
 GROUNDWATER MANAGEMENT AREA 1  
 CONSENT DECREE MONTHLY STATUS REPORT  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
 November 2005**

<b>Well Name</b>	<b>Date</b>	<b>Depth to Water (ft BMP)</b>	<b>Depth to LNAPL (ft BMP)</b>	<b>LNAPL Thickness (feet)</b>	<b>LNAPL Removed (liters)</b>	<b>November 2005 Removal (liters)</b>
34	11/30/2005	5.52	5.50	0.02	0.012	0.012
72	11/30/2005	5.93	5.91	0.02	0.012	0.012

**Total Manual LNAPL Removal for November 2005: 0.025 liters  
 0.007 gallons**

Note:

1. ft BMP - feet Below Measuring Point.

**TABLE 21-3  
ROUTINE WELL MONITORING  
EAST STREET AREA 1 - NORTH & SOUTH  
GROUNDWATER MANAGEMENT AREA 1  
CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
November 2005**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
<b>GMA 1 - East Street Area 1 - North</b>									
ES1-08	1000.85	11/8/2005	5.20	---	0.00	---	13.50	0.00	995.65
North Caisson	997.84	11/3/2005	18.03	18.02	0.01	---	19.80	0.00	979.82
North Caisson	997.84	11/8/2005	18.32	18.30	0.02	---	19.80	0.00	979.54
North Caisson	997.84	11/16/2005	18.29	18.27	0.02	---	19.80	0.00	979.57
North Caisson	997.84	11/23/2005	18.32	18.31	0.01	---	19.80	0.00	979.53
North Caisson	997.84	11/29/2005	18.32	18.31	0.01	---	19.80	0.00	979.53
<b>GMA 1 - East Street Area 1 - South</b>									
31R	1,000.23	11/30/2005	8.80	---	0.00	---	15.05	0.00	991.43
33	999.50	11/7/2005	6.53	---	0.00	---	21.33	0.00	992.97
33	999.50	11/30/2005	3.18	---	0.00	---	21.30	0.00	996.32
34	999.90	11/30/2005	5.52	5.50	0.02	---	21.00	0.00	994.40
72	1000.62	11/30/2005	5.93	5.91	0.02	---	21.98	0.00	994.71
72R	1000.92	11/30/2005	5.75	---	0.00	---	13.30	0.00	995.17
75	1000.65	11/7/2005	6.18	---	0.00	---	20.61	0.00	994.47
90	987.65	11/7/2005	5.60	---	0.00	---	12.20	0.00	982.05
GMA1-7	985.81	11/7/2005	11.71	---	0.00	---	14.86	0.00	974.10
South Caisson	1001.11	11/3/2005	13.58	13.55	0.03	---	15.00	0.00	987.56
South Caisson	1001.11	11/8/2005	11.10	11.08	0.02	---	15.00	0.00	990.03
South Caisson	1001.11	11/16/2005	12.44	12.42	0.02	---	15.00	0.00	988.69
South Caisson	1001.11	11/23/2005	9.75	9.74	0.01	---	15.00	0.00	991.37
South Caisson	1001.11	11/29/2005	10.76	10.75	0.01	---	15.00	0.00	990.36

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.

**TABLE 21-4**  
**AUTOMATED LNAPL/DNAPL & GROUNDWATER RECOVERY SYSTEMS**  
**EAST STREET AREA 2 - SOUTH**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**  
**November 2005**

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime	
40R	November 2004	0		0.31 - Power Outage	
	December 2004	0			
	January 2005	0			
	February 2005	0		1.72 - Power Outage 0.96 - Maintenance 0.36 - Power Outage	
	March 2005	0			
	April 2005	0			
	May 2005	0			
	June 2005	0			
	July 2005	0			
	August 2005	0			
	September 2005	0			
	October 2005	0			
November 2005	0				
64R	November 2004	150	566,100	0.31 - Power Outage	
	December 2004	350	630,500		
	January 2005	575	357,900		
	February 2005	400	228,400	1.72 - Power Outage 0.96 - Maintenance 0.36 - Power Outage	
	March 2005	175	292,400		
	April 2005	575	1,071,000		
	May 2005	550	931,300		
	June 2005	325	643,200		
	July 2005	225	260,800		
	August 2005	250	73,300		
	September 2005	50	10,200		4.91
	October 2005	75	492,200		10.71
November 2005	125	988,100			
64S System	November 2004	625	902,053	0.31 - Power Outage	
	December 2004	91	1,147,526		
	January 2005	75	844,225		
	February 2005	97	821,010	1.72 - Power Outage 0.96 - Maintenance 0.36 - Power Outage	
	March 2005	282	905,525		
	April 2005	499	1,039,179		
	May 2005	300	660,761		
	June 2005	275	527,949		
	July 2005	10	330,937		
	August 2005	218	271,691		13.73 - Maintenance
	September 2005	321	172,650		4.91
	October 2005	82	541,419		10.71
November 2005	324	1,014,521			
64V <sup>1</sup>	November 2004	551	1,108,200	0.31 - Power Outage	
	December 2004	832	1,460,100		
	January 2005	747	1,103,300		
	February 2005	622	1,095,400	1.72 - Power Outage 0.96 - Maintenance 0.36 - Power Outage	
	March 2005	675	1,342,900		
	April 2005	785	1,221,000		
	May 2005	254	996,400		
	June 2005	515	1,177,700		
	July 2005	465	922,700		
	August 2005	581	993,100		
	September 2005	349	714,700		4.91
	October 2005	564	933,400		4.91
November 2005	515	1,304,100			

**TABLE 21-4**  
**AUTOMATED LNAPL/DNAPL & GROUNDWATER RECOVERY SYSTEMS**  
**EAST STREET AREA 2 - SOUTH**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**  
**November 2005**

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
64X	November 2004	10	388,800	0.31 - Power Outage  1.72 - Power Outage 0.96 - Maintenance 3.21 - Maint. & Power Outage 3.45 - Maintenance  21.43
	December 2004	10	518,400	
	January 2005	5	388,800	
	February 2005	5	403,200	
	March 2005	5	532,800	
	April 2005	0	417,600	
	May 2005	0	374,400	
	June 2005	5	504,000	
	July 2005	15	417,600	
	August 2005	20	489,600	
	September 2005	25	403,200	
	October 2005	25	403,200	
November 2005	0	489,600		
RW-2(X)	November 2004	0	836,300	0.31 - Power Outage  1.72 - Power Outage 0.96 - Maintenance 3.21 - Maint. & Power Outage  4.91
	December 2004	0	1,111,700	
	January 2005	0	822,500	
	February 2005	0	825,200	
	March 2005	0	1,019,600	
	April 2005	0	859,500	
	May 2005	0	730,600	
	June 2005	0	972,100	
	July 2005	0	747,100	
	August 2005	0	982,100	
	September 2005	0	721,200	
	October 2005	0	529,600	
November 2005	0	573,600		
RW-1(S) <sup>2</sup>	November 2004	0	977,271	0.31 - Power Outage 0.35 - Maintenance  22.41 - Maint. & Power Outage 0.96 - Maintenance 0.36 - Power Outage  1.96 - Maintenance 4.91
	December 2004	11	1,362,634	
	January 2005	50	998,655	
	February 2005	41	934,203	
	March 2005	43	1,117,949	
	April 2005	1	864,198	
	May 2005	0	912,416	
	June 2005	0	1,107,860	
	July 2005	17	813,490	
	August 2005	32	780,217	
	September 2005	4	527,699	
	October 2005	43	783,765	
November 2005	42	1,103,548		
RW-1(X)	November 2004	0	402,900	0.31 - Power Outage 4.17 - Maintenance  1.72 - Power Outage 0.96 - Maintenance 3.21 - Maint. & Power Outage  4.91
	December 2004	0	443,700	
	January 2005	0	389,000	
	February 2005	0	330,400	
	March 2005	0	399,300	
	April 2005	0	354,700	
	May 2005	0	233,700	
	June 2005	0	328,300	
	July 2005	0	109,800	
	August 2005	0	142,000	
	September 2005	0	80,000	
	October 2005	0	299,300	
November 2005	0	390,700		

**TABLE 21-4**  
**AUTOMATED LNAPL/DNAPL & GROUNDWATER RECOVERY SYSTEMS**  
**EAST STREET AREA 2 - SOUTH**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**  
**November 2005**

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
RW-3(X)	November 2004	46		0.31 - Power Outage
	December 2004	66		
	January 2005	53		
	February 2005	37		1.72 - Power Outage 0.96 - Maintenance
	March 2005	64		
	April 2005	53		
	May 2005	51		0.36 - Power Outage
	June 2005	62		
	July 2005	44		
	August 2005	51		11.76 - Maintenance
	September 2005	40		
	October 2005	19		
November 2005	51		35.71 5.88	

Summary of Total Automated Removal		
<b>Water:</b>	<b>5,864,169</b>	<b>Gallons</b>
<b>LNAPL:</b>	<b>1,006</b>	<b>Gallons</b>
<b>DNAPL:</b>	<b>51</b>	<b>Gallons</b>

Notes:

1. The flow meter at recovery well 64V was reset in December 2004.
2. The flow meter at recovery well RW-1(S) was reset in February 2005.

**TABLE 21-5**  
**WELL MONITORING AND RECOVERY OF LNAPL**  
**EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**November 2005**

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	November 2005 Removal (liters)
13	11/21/2005	16.94	16.53	0.41	0.253	0.253
14	11/21/2005	16.85	16.71	0.14	0.086	0.086
25R	11/21/2005	23.20	19.12	4.08	2.517	2.517
48	11/21/2005	16.01	14.75	1.26	0.777	0.777
55	11/21/2005	16.05	15.58	0.47	0.290	0.290
95-04	11/21/2005	17.01	13.45	3.56	0.552	0.552
95-07	11/21/2005	23.25	18.20	5.05	0.784	0.784
GMA1-15	11/21/2005	14.82	14.30	0.52	0.321	0.321
GMA1-17W	11/21/2005	15.80	14.30	1.50	0.925	0.925
GMA1-19	11/2/2005	10.06	9.65	0.41	0.253	1.265
	11/9/2005	10.80	10.28	0.52	0.321	
	11/16/2005	10.81	10.44	0.37	0.228	
	11/21/2005	10.54	10.12	0.42	0.259	
	11/29/2005	10.38	10.05	0.33	0.204	

**Total LNAPL Removal East Street Area 2 - South for November 2005: 7.771 liters**  
**2.050 gallons**

**Total LNAPL Removal for November 2005: 7.771 liters**  
**2.050 gallons**

Note:

1. ft BMP - feet Below Measuring Point.

**TABLE 21-6  
64G TREATMENT PLANT DISCHARGE DATA  
GROUNDWATER MANAGEMENT AREA 1  
CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
November 2005**

<b>Date</b>	<b>Housatonic River Discharge (gallons)</b>	<b>Recharge Pond Discharge (gallons)</b>	<b>Total Discharge (gallons)</b>
November 2004	5,521,300	180,462	5,701,762
December 2004	5,656,177	152,428	5,808,605
January 2005	5,650,380	112,791	5,763,171
February 2005	4,576,005	195,380	4,771,385
March 2005	5,005,313	235,153	5,240,466
April 2005	5,759,380	172,867	5,932,247
May 2005	4,962,650	288,751	5,251,401
June 2005	4,057,780	318,355	4,376,135
July 2005	3,212,250	389,015	3,601,265
August 2005	2,778,090	356,961	3,135,051
September 2005	2,778,090	356,961	3,135,051
October 2005	5,156,510	177,795	5,334,305
November 2005	5,221,180	163,951	5,385,131

After treatment, the majority of the water processed at GE's Building 64G groundwater treatment facility is discharged to the Housatonic River through NPDES permitted Outfall 005. However, as part of GE's overall efforts to contain NAPL within the site and to optimize NAPL recovery operations, a portion of the treated water discharged from the 64G facility is routed to GE's on-site recharge pond located in East Street Area 2-South.



**TABLE 21-7**  
**ROUTINE WELL MONITORING**  
**EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**November 2005**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
<b>30's Complex</b>									
95-15	986.38	11/8/2005	7.68	---	0.00	---	16.50	0.00	NA
95-15	986.38	11/23/2005	Buried Under Ice & Snow		---	---	---	---	NA
GMA1-10	984.86	11/23/2005	9.75	---	0.00	---	19.80	0.00	975.11
GMA1-12	992.26	11/23/2005	14.61	---	0.00	---	22.13	0.00	977.65
RF-02	982.43	11/23/2005	4.36	---	0.00	---	18.30	0.00	978.07
RF-03	985.40	11/23/2005	8.10	---	0.00	---	18.45	0.00	977.30
RF-03D	985.31	11/23/2005	6.65	---	0.00	---	36.00	0.00	978.66
RF-16	987.91	11/23/2005	8.76	---	0.00	---	20.75	0.00	979.15
<b>40s Complex</b>									
95-17	1,007.67	11/23/2005	23.87	---	0.00	---	28.30	0.00	983.80
RF-4	1,011.99	11/23/2005	14.80	---	0.00	---	23.98	0.00	997.19
<b>East Street Area 2 - North</b>									
20-N	1,010.66	11/8/2005	27.96	---	0.00	---	36.78	0.00	982.70
<b>East Street Area 2 - South</b>									
13	990.88	11/21/2005	16.94	16.53	0.41	---	22.58	0.00	974.32
14	991.61	11/21/2005	16.85	16.71	0.14	---	25.65	0.00	974.89
19	983.59	11/2/2005	9.68	---	0.00	---	19.80	0.00	973.91
19	983.59	11/9/2005	10.25	---	0.00	---	19.80	0.00	973.34
19	983.59	11/16/2005	10.38	---	0.00	---	19.82	0.00	973.21
19	983.59	11/21/2005	10.00	---	0.00	---	19.80	0.00	973.59
19	983.59	11/29/2005	9.95	---	0.00	---	19.80	0.00	973.64
25R	998.31	11/21/2005	23.20	19.12	4.08	---	30.81	0.00	978.90
26RR	1,000.58	11/21/2005	20.68	20.60	0.08	---	28.51	0.00	979.97
40R	991.60	11/3/2005	16.75	16.63	0.12	---	NM	0.00	974.96
40R	991.60	11/8/2005	15.30	15.26	0.04	---	NM	0.00	976.34
40R	991.60	11/16/2005	15.40	15.39	0.01	---	NM	0.00	976.21
40R	991.60	11/23/2005	16.68	16.62	0.06	---	NM	0.00	974.98
40R	991.60	11/29/2005	16.64	16.60	0.04	---	NM	0.00	975.00
48	992.39	11/21/2005	16.01	14.75	1.26	---	22.70	0.00	977.55
49R	988.71	11/21/2005	14.51	---	0.00	---	24.87	0.00	974.20
49RR	989.80	11/21/2005	15.60	---	0.00	---	23.05	0.00	974.20
55	989.45	11/21/2005	16.05	15.58	0.47	---	30.02	0.00	973.84
64	984.98	11/7/2005	12.00	---	0.00	---	21.02	0.00	972.98
64R	993.37	11/3/2005	16.60	16.58	0.02	---	19.00	0.00	976.79
64R	993.37	11/8/2005	16.79	16.78	0.01	---	19.00	0.00	976.59
64R	993.37	11/16/2005	17.00	P	< 0.01	---	19.00	0.00	976.37
64R	993.37	11/23/2005	17.21	17.18	0.03	---	19.00	0.00	976.19
64R	993.37	11/29/2005	17.58	17.42	0.16	---	19.00	0.00	975.94
64S	984.48	11/3/2005	17.85	P	< 0.01	---	28.70	0.00	966.63
64S	984.48	11/8/2005	18.10	18.09	0.01	---	28.70	0.00	966.39
64S	984.48	11/16/2005	18.05	18.04	0.01	---	28.70	0.00	966.44
64S	984.48	11/23/2005	17.27	P	< 0.01	---	28.70	0.00	967.21
64S	984.48	11/29/2005	17.20	P	< 0.01	---	28.70	0.00	967.28
64S-Caisson	NA	11/3/2005	9.93	9.90	0.03	---	14.55	0.00	NA
64S-Caisson	NA	11/8/2005	10.30	10.28	0.02	---	14.55	0.00	NA

**TABLE 21-7**  
**ROUTINE WELL MONITORING**  
**EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**November 2005**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
<b>East Street Area 2 - South (cont'd)</b>									
64S-Caisson	NA	11/16/2005	10.80	10.70	0.10	---	14.55	0.00	NA
64S-Caisson	NA	11/23/2005	10.03	9.97	0.06	---	14.55	0.00	NA
64S-Caisson	NA	11/29/2005	10.02	10.01	0.01	---	14.55	0.00	NA
64V	987.29	11/3/2005	21.40	21.00	0.40	---	29.60	0.00	966.26
64V	987.29	11/8/2005	21.80	21.50	0.30	P	29.60	< 0.01	965.77
64V	987.29	11/16/2005	22.20	21.60	0.60	P	29.60	< 0.01	965.65
64V	987.29	11/23/2005	22.00	21.50	0.50	---	29.60	0.00	965.76
64V	987.29	11/29/2005	22.10	21.50	0.60	---	29.60	0.00	965.75
64X(N)	984.83	11/3/2005	11.00	P	< 0.01	---	15.85	0.00	973.83
64X(N)	984.83	11/8/2005	11.41	11.40	0.01	---	15.85	0.00	973.43
64X(N)	984.83	11/16/2005	11.50	11.49	0.01	---	15.85	0.00	973.34
64X(N)	984.83	11/23/2005	10.86	10.85	0.01	---	15.85	0.00	973.98
64X(N)	984.83	11/29/2005	11.23	11.22	0.01	---	15.85	0.00	973.61
64X(S)	981.56	11/3/2005	13.55	P	< 0.01	---	23.82	0.00	968.01
64X(S)	981.56	11/8/2005	14.00	13.99	0.01	---	23.82	0.00	967.57
64X(S)	981.56	11/16/2005	13.95	13.94	0.01	---	23.82	0.00	967.62
64X(S)	981.56	11/23/2005	13.30	P	< 0.01	---	23.82	0.00	968.26
64X(S)	981.56	11/29/2005	13.66	13.65	0.01	---	23.82	0.00	967.91
64X(W)	984.87	11/3/2005	16.72	16.71	0.01	---	24.35	0.00	968.16
64X(W)	984.87	11/8/2005	17.20	17.18	0.02	---	24.35	0.00	967.69
64X(W)	984.87	11/16/2005	17.20	17.15	0.05	---	24.35	0.00	967.72
64X(W)	984.87	11/23/2005	16.53	16.48	0.05	---	24.35	0.00	968.39
64X(W)	984.87	11/29/2005	16.95	16.85	0.10	---	24.35	0.00	968.01
95-01	983.77	11/21/2005	9.45	---	0.00	---	17.20	0.00	974.32
95-04	988.70	11/21/2005	17.01	13.45	3.56	---	21.70	0.00	975.00
95-07	994.91	11/21/2005	23.25	18.20	5.05	---	29.51	0.00	976.36
3-6C-EB-22	986.94	11/21/2005	13.05	---	0.00	---	20.01	0.00	973.89
E2SC-03I	982.12	11/23/2005	8.25	---	0.00	38.8	42.75	3.95	973.87
E2SC-17	985.38	11/23/2005	10.78	---	0.00	---	45.90	0.00	974.60
E2SC-23	992.07	11/21/2005	15.81	---	0.00	---	21.15	0.00	976.26
E2SC-24	987.90	11/21/2005	14.60	---	0.00	---	21.60	0.00	973.30
ES2-02A	979.63	11/7/2005	6.00	---	0.00	---	17.48	0.00	973.63
ES2-06	986.00	11/21/2005	12.25	---	0.00	---	34.36	0.00	973.75
GMA1-13	991.41	11/21/2005	17.15	---	0.00	---	27.13	0.00	974.26
GMA1-14	997.43	11/21/2005	17.94	17.90	0.04	---	23.44	0.00	979.53
GMA1-15	988.59	11/21/2005	14.82	14.30	0.52	---	17.84	0.00	974.25
GMA1-16	986.82	11/21/2005	12.35	12.15	0.20	---	20.01	0.00	974.66
GMA1-17E	993.03	11/21/2005	14.89	14.87	0.02	---	17.30	0.00	978.16
GMA1-17W	992.63	11/21/2005	15.80	14.30	1.50	---	23.24	0.00	978.23
GMA1-19	984.28	11/2/2005	10.06	9.65	0.41	---	17.14	0.00	974.60
GMA1-19	984.28	11/9/2005	10.80	10.28	0.52	---	17.13	0.00	973.96
GMA1-19	984.28	11/16/2005	10.81	10.44	0.37	---	17.14	0.00	973.81
GMA1-19	984.28	11/21/2005	10.54	10.12	0.42	---	17.15	0.00	974.13
GMA1-19	984.28	11/29/2005	10.38	10.05	0.33	---	17.13	0.00	974.21
GMA1-20	983.49	11/2/2005	9.21	---	0.00	---	17.30	0.00	974.28
GMA1-20	983.49	11/9/2005	9.83	---	0.00	---	17.30	0.00	973.66

**TABLE 21-7**  
**ROUTINE WELL MONITORING**  
**EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**November 2005**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
<b>East Street Area 2 - South (cont'd)</b>									
GMA1-20	983.49	11/16/2005	10.00	---	0.00	---	17.30	0.00	973.49
GMA1-20	983.49	11/21/2005	9.63	---	0.00	---	17.30	0.00	973.86
GMA1-20	983.49	11/29/2005	9.60	---	0.00	---	17.30	0.00	NA
GMA1-21	985.68	11/2/2005	10.55	---	0.00	---	19.50	0.00	975.13
GMA1-21	985.68	11/9/2005	11.80	---	0.00	---	19.50	0.00	973.88
GMA1-21	985.68	11/16/2005	12.10	---	0.00	---	19.51	0.00	973.58
GMA1-21	985.68	11/21/2005	11.50	---	0.00	---	19.52	0.00	974.18
GMA1-21	985.68	11/29/2005	11.52	---	0.00	---	19.53	0.00	974.16
HR-G2-MW-1	982.60	11/21/2005	9.83	---	0.00	---	18.24	0.00	972.77
HR-G2-MW-2	981.39	11/21/2005	7.58	---	0.00	---	17.67	0.00	973.81
HR-G2-MW-3	987.14	11/21/2005	13.71	---	0.00	---	22.00	0.00	973.43
HR-G2-RW-1	976.88	11/21/2005	5.08	---	0.00	---	18.71	0.00	973.09
RW-1(S)	987.23	11/3/2005	18.90	18.50	0.40	---	28.60	0.00	968.70
RW-1(S)	987.23	11/8/2005	19.00	18.90	0.10	---	28.60	0.00	968.32
RW-1(S)	987.23	11/16/2005	18.80	18.78	0.02	---	28.60	0.00	968.45
RW-1(S)	987.23	11/23/2005	17.90	17.75	0.15	---	28.60	0.00	969.47
RW-1(S)	987.23	11/29/2005	19.10	18.20	0.90	---	28.60	0.00	968.97
RW-1(X)	982.68	11/3/2005	12.80	---	0.00	---	20.80	0.00	969.88
RW-1(X)	982.68	11/8/2005	14.30	---	0.00	---	20.80	0.00	968.38
RW-1(X)	982.68	11/16/2005	9.70	---	0.00	---	20.80	0.00	972.98
RW-1(X)	982.68	11/23/2005	13.65	---	0.00	---	20.80	0.00	969.03
RW-1(X)	982.68	11/29/2005	13.70	---	0.00	---	20.80	0.00	968.98
RW-2(X)	985.96	11/3/2005	13.10	---	0.00	---	15.30	0.00	972.86
RW-2(X)	985.96	11/8/2005	13.90	---	0.00	---	15.30	0.00	972.06
RW-2(X)	985.96	11/16/2005	13.80	---	0.00	---	15.30	0.00	972.16
RW-2(X)	985.96	11/23/2005	12.23	---	0.00	---	15.30	0.00	973.73
RW-2(X)	985.96	11/29/2005	12.70	---	0.00	---	15.30	0.00	973.26
RW-3(X)	980.28	11/3/2005	7.80	---	0.00	43.65	44.40	0.75	972.48
RW-3(X)	980.28	11/8/2005	8.18	---	0.00	43.40	44.40	1.00	972.10
RW-3(X)	980.28	11/16/2005	8.30	---	0.00	43.80	44.40	0.60	971.98
RW-3(X)	980.28	11/23/2005	7.60	---	0.00	43.90	44.40	0.50	972.68
RW-3(X)	980.28	11/29/2005	7.95	---	0.00	43.70	44.40	0.70	972.33
<b>Housatonic River</b>									
SG-HR-1	990.73	11/2/2005	18.55	See Note 7 regarding depth to water					972.18
SG-HR-1	990.73	11/9/2005	19.10	See Note 7 regarding depth to water					971.63
SG-HR-1	990.73	11/16/2005	18.96	See Note 7 regarding depth to water					971.77
SG-HR-1	990.73	11/23/2005	17.98	See Note 7 regarding depth to water					972.75
SG-HR-1	990.73	11/29/2005	18.10	See Note 7 regarding depth to water					972.63

**TABLE 21-7**  
**ROUTINE WELL MONITORING**  
**EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**November 2005**

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. NM indicates information not measured.
5. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
6. Well HR-G2-RW-1 is constructed at an angle of 41.67 degrees from vertical. Depth to water data reflect measurements collected along the angled well casing. Groundwater elevations are corrected to account for the angle of the well casing.
7. A survey reference point (SG-HR-1) was established on the Newell Street Bridge. The "Depth to Water" value(s) provided in the above table refer to the vertical distance from the surveyed reference point to the water surface.
8. A weighted bailer has been installed at this location to remove accumulations of DNAPL. The DNAPL thickness reported is that measured within the bailer upon the initial retrieval.

**TABLE 21-8  
ACTIVE RECOVERY SYSTEMS MONTHLY SUMMARY  
LYMAN STREET AREA  
GROUNDWATER MANAGEMENT AREA 1  
CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
November 2005**

<b>Month / Year</b>	<b>Volume Water Pumped (gallon)</b>	<b>RW-1 DNAPL Recovered (gallon)</b>	<b>RW-1R LNAPL Recovered (gallon)</b>	<b>RW-3 LNAPL Recovered (gallon)</b>
November 2003	363,979	--	--	10
December 2003	490,517	--	--	--
January 2004	299,584	--	--	--
February 2004	305,485	--	--	--
March 2004	409,514	--	--	--
April 2004	344,707	--	--	1
May 2004	307,361	--	--	--
June 2004	410,230	--	--	--
July 2004	328,363	--	--	--
August 2004	310,473	--	--	--
September 2004	499,209	--	1	20
October 2004	426,078	--	--	--
November 2004	421,409	--	--	12
December 2004	539,528	--	--	10
January 2005	443,634	--	--	10
February 2005	409,113	--	--	5
March 2005	455,192	--	--	5
April 2005	425,145	--	--	5
May 2005	357,497	--	--	--
June 2005	422,006	--	--	10
July 2005	310,647	--	5	10
August 2005	310,647	--	--	--
September 2005	198,753	--	--	--
October 2005	314,247	--	--	--
November 2005	412,936	--	--	--

**Notes:**

1. Volume of water pumped is total from Wells RW-1R, RW-2, and RW-3.
2. -- indicates LNAPL or DNAPL was not recovered by the system.
3. There was no downtime during November 2005.

**TABLE 21-9  
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL  
LYMAN STREET AREA  
GROUNDWATER MANAGEMENT AREA 1  
CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
November 2005**

<b>Well Name</b>	<b>Date</b>	<b>Depth to Water (ft BMP)</b>	<b>Depth to DNAPL (ft BMP)</b>	<b>DNAPL Thickness (feet)</b>	<b>DNAPL Removed (liters)</b>	<b>November 2005 Removal (liters)</b>
LS-30	11/29/2005	12.82	20.53	1.67	1.030	1.030
LS-31	11/29/2005	13.02	21.75	1.57	0.969	0.969
LS-38	11/29/2005	14.35	25.04	0.01	0.006	0.006
LSSC-07	11/2/2005	9.36	24.75	0.33	0.204	0.814
	11/9/2005	9.90	24.6	0.48	0.296	
	11/23/2005	9.20	24.8	0.28	0.173	
	11/29/2005	9.50	24.85	0.23	0.142	
LSSC-08I	11/29/2005	10.91	23.37	0.01	0.006	0.006

**Total Manual DNAPL Removal for November 2005: 2.826 liters  
0.746 gallons**

Note:

1. ft BMP - feet Below Measuring Point.

**TABLE 21-10**  
**ROUTINE WELL MONITORING**  
**LYMAN STREET AREA**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**November 2005**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
E-07	982.87	11/29/2005	6.00	---	0.00	---	19.70	0.00	976.87
EPA-01	983.04	11/29/2005	10.66	---	0.00	---	22.65	0.00	972.38
LS-20	985.64	11/7/2005	11.60	---	0.00	---	17.30	0.00	974.04
LS-24	986.58	11/29/2005	Buried Under Pallet Blocks		---	---	15.11	0.00	NA
LS-30	986.440	11/29/2005	12.82	---	0.00	20.53	22.20	1.67	973.62
LS-31	987.090	11/29/2005	13.02	---	0.00	21.75	23.32	1.57	974.07
LS-38	986.95	11/29/2005	14.35	---	0.00	25.04	25.05	0.01	972.60
LS-44	980.78	11/29/2005	8.25	---	0.00	---	24.76	0.00	972.53
LSSC-07	982.48	11/2/2005	9.36	---	0.00	24.75	25.08	0.33	973.12
LSSC-07	982.48	11/9/2005	9.90	---	0.00	24.6	25.08	0.48	972.58
LSSC-07	982.48	11/16/2005	9.92	---	0.00	24.75	25.08	0.33	972.56
LSSC-07	982.48	11/23/2005	9.20	---	0.00	24.8	25.08	0.28	973.28
LSSC-07	982.48	11/29/2005	9.50	---	0.00	24.85	25.08	0.23	972.98
LSSC-08I	983.13	11/2/2005	10.98	---	0.00	---	23.38	0.00	972.15
LSSC-08I	983.13	11/9/2005	11.50	---	0.00	---	23.38	0.00	971.63
LSSC-08I	983.13	11/16/2005	11.45	---	0.00	---	23.38	0.00	971.68
LSSC-08I	983.13	11/23/2005	10.54	---	0.00	---	23.38	0.00	972.59
LSSC-08I	983.13	11/29/2005	10.91	---	0.00	23.37	23.38	0.01	972.22
LSSC-08S	983.11	11/29/2005	10.90	---	0.00	---	14.68	0.00	972.21
LSSC-16I	980.88	11/29/2005	7.93	---	0.00	---	28.53	0.00	972.95
LSSC-18	987.32	11/29/2005	13.80	---	0.00	---	18.60	0.00	973.52
LSSC-32	980.68	11/29/2005	7.83	---	0.00	---	35.24	0.00	972.85
LSSC-33	980.49	11/29/2005	7.65	---	0.00	---	29.75	0.00	972.84
MW-6R	985.14	11/29/2005	10.11	---	0.00	---	13.93	0.00	975.03
RW-1	984.88	11/3/2005	11.15	---	0.00	P	21.00	< 0.01	973.73
RW-1	984.88	11/8/2005	11.70	---	0.00	P	21.00	< 0.01	973.18
RW-1	984.88	11/16/2005	11.88	---	0.00	P	21.00	< 0.01	973.00
RW-1	984.88	11/23/2005	11.55	---	0.00	P	21.00	< 0.01	973.33
RW-1	984.88	11/29/2005	11.72	---	0.00	P	21.00	< 0.01	973.16
RW-1 (R)	985.07	11/3/2005	15.75	---	0.00	P	20.42	< 0.01	969.32
RW-1 (R)	985.07	11/8/2005	15.70	---	0.00	P	20.42	< 0.01	969.37
RW-1 (R)	985.07	11/16/2005	15.70	---	0.00	P	20.42	< 0.01	969.37
RW-1 (R)	985.07	11/23/2005	15.85	---	0.00	P	20.42	< 0.01	969.22
RW-1 (R)	985.07	11/29/2005	15.75	---	0.00	P	20.42	< 0.01	969.32
RW-2	987.82	11/3/2005	12.90	---	0.00	---	21.75	0.00	974.92
RW-2	987.82	11/8/2005	13.60	---	0.00	---	21.75	0.00	974.22
RW-2	987.82	11/16/2005	13.80	---	0.00	---	21.75	0.00	974.02
RW-2	987.82	11/23/2005	12.95	---	0.00	---	21.75	0.00	974.87
RW-2	987.82	11/29/2005	13.10	---	0.00	---	21.75	0.00	974.72
RW-3	984.08	11/3/2005	16.65	16.60	0.05	---	21.57	0.00	967.48
RW-3	984.08	11/8/2005	16.42	16.40	0.02	---	21.57	0.00	967.68
RW-3	984.08	11/16/2005	16.70	16.62	0.08	---	21.57	0.00	967.45
RW-3	984.08	11/23/2005	16.50	16.45	0.05	---	21.57	0.00	967.63
RW-3	984.08	11/29/2005	16.80	16.70	0.10	---	21.57	0.00	967.37

**TABLE 21-10**  
**ROUTINE WELL MONITORING**  
**LYMAN STREET AREA**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**November 2005**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
<b>Housatonic River (Lyman Street Bridge)</b>									
BM-2A	986.32	11/2/2005	14.79	See Note 5 regarding depth to water					971.53
BM-2A	986.32	11/9/2005	15.31	See Note 5 regarding depth to water					971.01
BM-2A	986.32	11/16/2005	15.22	See Note 5 regarding depth to water					971.10
BM-2A	986.32	11/23/2005	14.45	See Note 5 regarding depth to water					971.87
BM-2A	986.32	11/29/2005	14.51	See Note 5 regarding depth to water					971.81

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
5. A survey reference point (BM-2A) was established on the Lyman Street Bridge. The "Depth to Water" value(s) provided in the above table refer to the vertical distance from the surveyed reference point to the water surface.



**TABLE 21-11**  
**ACTIVE DNAPL RECOVERY SYSTEMS MONTHLY SUMMARY**  
**NEWELL STREET AREA II**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**November 2005**

Recovery System	Date	Total Gallons Recovered
<b>System 1 <sup>(1)</sup></b>	November 2004	15.4
	December 2004	15.4
	January 2005 <sup>(3)</sup>	8.8
	February 2005	13.2
	March 2005	17.3
	April 2005	24.2
	May 2005	9.9
	June 2005	18.7
	July 2005	14.3
	August 2005	-- <sup>(4)</sup>
	September 2005	-- <sup>(4)</sup>
	October 2005	-- <sup>(4)</sup>
November 2005	-- <sup>(4)</sup>	
<b>System 2 <sup>(2)</sup></b>	November 2004	81.0
	December 2004	64.8
	January 2005 <sup>(3)</sup>	157.2
	February 2005	126.9
	March 2005	16.2
	April 2005	16.2
	May 2005	145.8
	June 2005	32.4
	July 2005	48.6
	August 2005	-- <sup>(4)</sup>
	September 2005	-- <sup>(4)</sup>
	October 2005	-- <sup>(4)</sup>
November 2005	-- <sup>(4)</sup>	
<b>Total Automated DNAPL Removal for November 2005:</b>		<b>0.0 Gallons</b>

Notes:

1. System 1 wells are NS-15, NS-30, and NS-32.
2. System 2 wells are N2SC-01I, N2SC-03I, and N2SC-14.
3. In January 2005, System 2 malfunctioned during weeks 2 and 3, pumping mostly water. The volume reported for those two weeks is an estimated quantity that was included in the total volume removed.
4. The DNAPL recovery systems for the Newell Street Area II were shut down on July 25, 2005. The upgraded systems will be completed and activated approximately 2 to 3 months after completion of the EPA-approved soil remediation activities in this area.

**TABLE 21-12**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GROUNDWATER MANAGEMENT AREA 1 - NEWELL STREET AREA II**  
**MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL**  
**November 2005**

<b>Well Name</b>	<b>Date</b>	<b>Depth to Water (ft BMP)</b>	<b>Depth to DNAPL (ft BMP)</b>	<b>DNAPL Thickness (feet)</b>	<b>DNAPL Removed (liters)</b>	<b>November 2005 Removal (liters)</b>
N2SC-07	11/29/2005	11.31	38.1	0.05	0.031	0.031

**Total DNAPL Removal for November 2005: 0.031 liters**  
**0.008 gallons**

Note:

1. ft BMP - feet Below Measuring Point.

**TABLE 21-13**  
**ROUTINE WELL MONITORING**  
**NEWELL STREET AREA II**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**November 2005**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
N2SC-01I	984.99	11/9/2005	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-01I	984.99	11/16/2005					---	0.00	NA
N2SC-01I	984.99	11/23/2005					---	0.00	NA
N2SC-01I	984.99	11/29/2005					---	0.00	NA
N2SC-01I(R)	984.99	11/2/2005	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-01I(R)	984.99	11/9/2005					---	0.00	NA
N2SC-01I(R)	984.99	11/16/2005					---	0.00	NA
N2SC-01I(R)	984.99	11/23/2005					---	0.00	NA
N2SC-01I(R)	984.99	11/29/2005	---	0.00	NA	---	0.00	NA	
N2SC-03I	985.33	11/9/2005	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-03I	985.33	11/16/2005					---	0.00	NA
N2SC-03I	985.33	11/23/2005					---	0.00	NA
N2SC-03I	985.33	11/29/2005					---	0.00	NA
N2SC-03I(R)	985.33	11/2/2005	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-03I(R)	985.33	11/9/2005					---	0.00	NA
N2SC-03I(R)	985.33	11/16/2005					---	0.00	NA
N2SC-03I(R)	985.33	11/23/2005					---	0.00	NA
N2SC-03I(R)	985.33	11/29/2005	---	0.00	NA	---	0.00	NA	
N2SC-07	984.61	11/29/2005	11.31	---	0.00	38.1	38.15	0.05	973.30
N2SC-07S	982.93	11/7/2005	10.01	---	0.00	---	18.90	0.00	972.92
N2SC-08	986.07	11/29/2005	Well is Inaccessible Due to Excavation				42.56	42.56	NA
N2SC-14	985.06	11/9/2005	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-14	985.06	11/16/2005					---	0.00	NA
N2SC-14	985.06	11/23/2005					---	0.00	NA
N2SC-14	985.06	11/29/2005					---	0.00	NA
NS-15	982.76	11/9/2005	Well is Severely Damaged				---	0.00	NA
NS-15	982.76	11/16/2005					---	0.00	NA
NS-15	982.76	11/23/2005					---	0.00	NA
NS-15	982.76	11/29/2005					---	0.00	NA
NS-30	985.99	11/9/2005	Well is Inaccessible Due to Excavation				---	0.00	NA
NS-30	985.99	11/16/2005					---	0.00	NA
NS-30	985.99	11/23/2005					---	0.00	NA
NS-30	985.99	11/29/2005					---	0.00	NA
NS-32	986.20	11/9/2005	Well is destroyed		---	---	---	0.00	NA
NS-32	986.20	11/16/2005			---	---	---	0.00	NA
NS-32	986.20	11/23/2005			---	---	---	0.00	NA
NS-32	986.20	11/29/2005			---	---	---	0.00	NA

**Notes:**

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.

**TABLE 21-14**  
**ROUTINE WELL MONITORING**  
**NEWELL STREET AREA I**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**November 2005**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
FW-16R	986.51	11/7/2005	13.50	---	0.00	---	20.33	0.00	973.01

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.

**TABLE 21-15**  
**ROUTINE WELL MONITORING**  
**SILVER LAKE AREA**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**November 2005**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
<b>Monitoring Wells Adjacent to Silver Lake</b>									
SLGW-01D	983.13	11/30/2005	3.70	---	0.00	---	36.98	0.00	979.43
SLGW-01S	982.94	11/30/2005	5.05	---	0.00	---	16.25	0.00	977.89
SLGW-02D	985.10	11/30/2005	6.50	---	0.00	---	36.85	0.00	978.60
SLGW-02S	985.39	11/30/2005	7.10	---	0.00	---	8.3	0.00	NA
SLGW-03D	979.14	11/30/2005	---	---	0.00	---	32.08	0.00	NA
SLGW-03S	980.21	11/30/2005	2.20	---	0.00	---	14.55	0.00	978.01
SLGW-04D	983.51	11/30/2005	5.42	---	0.00	---	37.1	0.00	978.09
SLGW-04S	984.02	11/30/2005	5.90	---	0.00	---	16.65	0.00	978.12
SLGW-05D	979.30	11/30/2005	1.98	---	0.00	---	34.91	0.00	977.32
SLGW-05S	979.12	11/30/2005	1.22	---	0.00	---	11.6	0.00	977.90
SLGW-06D	981.63	11/30/2005	4.55	---	0.00	---	34.99	0.00	977.08
SLGW-06S	981.66	11/30/2005	3.80	---	0.00	---	13.75	0.00	977.86
<b>Staff Gauge within Silver Lake</b>									
Silver Lake Gauge	NA	11/2/2005	3.95	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	11/9/2005	3.78	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	11/16/2005	3.31	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	11/23/2005	3.22	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	11/29/2005	3.16	See Note 4 regarding depth to water					NA

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. A new Silver Lake Gauge has been installed and will be surveyed to obtain a new horizontal datum. "Depth to Water" values provided refer to feet above the datum, rather than feet below the measuring point.
5. Additional groundwater elevation data was collected from wells near Silver Lake that are located in the 30s Complex and at the Lyman Street Area. Those results are presented in the monitoring tables for those Removal Action Areas.

**ITEM 22**  
**GROUNDWATER MANAGEMENT AREAS**  
**FORMER OXBOWS J & K (GMA 2)**  
**(GEC320)**  
**NOVEMBER 2005**

\* All activities described below for this item were conducted pursuant to the Consent Decree.

**a. Activities Undertaken/Completed**

Conducted annual interim groundwater quality monitoring and monthly river elevation monitoring.

**b. Sampling/Test Results Received**

- See attached tables.
- Preliminary analytical results received in November 2005 from the fall 2004 GMA 2 interim groundwater quality monitoring activities are shown in Table 22-2. These results consisted of data from filtered samples from three monitoring wells (GMA2-1, GMA2-4, and GMA2-9 [including duplicate]) that were analyzed for PCBs and cyanide. These preliminary results have been compared to the current Method 1 GW-3 groundwater standards and UCLs for groundwater set forth in the MCP. (There are no current GW-2 standards for these constituents.) These comparisons indicate the following:
  - Cyanide was not detected.
  - There were no exceedances of UCL for PCBs in any of these groundwater sample results.
  - The MCP GW-3 standard for PCBs (0.0003 ppm) was slightly exceeded in the filtered samples collected from the three monitoring wells sampled. An exceedance of this standard was previously observed in each of these wells. (Note that the PCB concentrations in the November 2005 filtered samples from all three of these wells are below the MDEP's proposed "Wave 2" GW-3 standard for PCBs of 0.01 ppm.)

**c. Work Plans/Reports/Documents Submitted**

None

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

Commence preparation of annual Groundwater Quality Monitoring Interim Report.

**ITEM 22  
(cont'd)  
GROUNDWATER MANAGEMENT AREAS  
FORMER OXBOWS J & K (GMA 2)  
(GECD320)  
NOVEMBER 2005**

e. **General Progress/Unresolved Issues/Potential Schedule Impacts**

None

f. **Proposed/Approved Work Plan Modifications**

None

**TABLE 22-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**GROUNDWATER MANAGEMENT AREA 2  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Annual Interim Groundwater Sampling	DUP-4 (GMA2-9)	11/3/05	Water	SGS	PCB (f), CN (f)	11/14/05
Annual Interim Groundwater Sampling	GMA2-1	11/3/05	Water	SGS	PCB (f), CN (f)	11/14/05
Annual Interim Groundwater Sampling	GMA2-4	11/4/05	Water	SGS	PCB (f)	11/14/05
Annual Interim Groundwater Sampling	GMA2-9	11/3/05	Water	SGS	PCB (f), CN (f)	11/14/05

Notes:

1. Field duplicate sample locations are presented in parenthesis.
2. (f) - Indicates filtered analysis requested.



**TABLE 22-2  
DATA RECEIVED DURING NOVEMBER 2005**

**ANNUAL INTERIM GROUNDWATER SAMPLING  
GROUNDWATER MANAGEMENT AREA 2  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Parameter</b>	<b>Sample ID: Date Collected:</b>	<b>GMA2-1 11/03/05</b>	<b>GMA2-4 11/04/05</b>	<b>GMA2-9 11/03/05</b>
<b>PCBs-Filtered</b>				
Aroclor-1254		0.00032	0.00039	0.00038 [0.00063]
Total PCBs		0.00032	0.00039	0.00038 [0.00063]
<b>Inorganics-Filtered</b>				
None Detected		--	NA	--

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered) and cyanide (filtered).
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
4. Only those constituents detected in one or more samples are summarized.
5. Field duplicate sample results are presented in brackets.
6. -- Indicates that all constituents for the parameter group were not detected.

**TABLE 22-3  
ROUTINE WELL MONITORING  
GROUNDWATER MANAGEMENT AREA 2  
CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
November 2005**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
<b>Former Oxbow Area J</b>									
GMA 2-1	991.36	11/3/2005	15.00	---	0.00	---	27.18	0.00	976.36
MW-2	991.64	11/7/2005	12.60	---	0.00	---	16.73	0.00	979.04
<b>Former Oxbow Area K</b>									
GMA 2-4	983.41	11/4/2005	14.40	---	0.00	---	18.13	0.00	969.01
GMA 2-4	983.41	11/7/2005	8.45	---	0.00	---	17.99	0.00	974.96
GMA 2-8	982.30	11/7/2005	7.85	---	0.00	---	17.34	0.00	974.45
GMA 2-9	981.29	11/3/2005	7.06	---	0.00	---	17.23	0.00	974.23
<b>Housatonic River (Foot Bridge)</b>									
GMA2-SG-1	989.82	11/7/2005	16.58	See Note 3 regarding depth to water					973.24
GMA2-SG-1	989.82	11/29/2005	15.95	See Note 3 regarding depth to water					973.87

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. A survey reference point was established on the Oxbow J & K foot bridge. The "Depth to Water" value(s) provided in the above table refer to the vertical distance from the surveyed reference point to the water surface.

**ITEM 23**  
**GROUNDWATER MANAGEMENT AREAS**  
**PLANT SITE 2 (GMA 3)**  
**(GEC330)**  
**NOVEMBER 2005**

\* All activities described below for this item were conducted pursuant to the Consent Decree.

**a. Activities Undertaken/Completed**

Conducted routine groundwater elevation and NAPL monitoring, including at certain locations that were inaccessible or not located during the October 2005 semi-annual groundwater and NAPL monitoring round. Approximately 7.96 liters (2.10 gallons) of LNAPL were removed by the automatic skimmer located in well 51-21 and an additional 3.64 liters (0.96 gallon) of LNAPL were manually removed from the wells in this area (see Table 23-3).

**b. Sampling/Test Results Received**

- See attached tables.
- Preliminary analytical results received in November 2005 from the fall 2004 GMA 3 baseline groundwater quality monitoring activities are shown in Table 23-2. These preliminary results have been compared to the current Method 1 GW-2 and GW-3 groundwater standards and UCLs for groundwater set forth in the MCP. (As previously approved by EPA, the comparisons of the results for PCBs and inorganics to the GW-3 standards were based on the results from the filtered samples.) These comparisons indicate the following:
  - There were no exceedances of UCLs in any of the groundwater sample results received in November 2005.
  - No exceedances of MCP GW-2 standards were observed in any of the GW-2 groundwater sample results received in November 2005.
  - The MCP GW-3 standard for chlorobenzene (0.5 ppm) was exceeded in the samples from monitoring wells 6B-R and 78B-R. Similar exceedances have previously been observed in these wells. (Note that the chlorobenzene concentrations detected in the samples from both of these wells in November 2005 are also above the MDEP's proposed "Wave 2" GW-3 standard for chlorobenzene of 1 ppm.)
  - The PCB concentration in the filtered sample from well 82B-R was equal to the current MCP GW-3 standard for PCBs (0.0003 ppm). The same concentration was previously observed at this location in spring 2005. (Note that this PCB concentration is below the MDEP's proposed "Wave 2" GW-3 standard for PCBs of 0.01 ppm.)

**ITEM 23  
(cont'd)  
GROUNDWATER MANAGEMENT AREAS  
PLANT SITE 2 (GMA 3)  
(GEC330)  
NOVEMBER 2005**

**b. Sampling/Test Results Received (cont'd)**

- The MCP GW-3 standard for dioxin/furan Total TEQs in groundwater (0.0000001 ppm) was exceeded in a sample collected from well 89B. However, the standard was not exceeded in a duplicate sample collected from this location. The laboratory performed a re-extraction of this sample to confirm this potential exceedance. The results of this re-analysis showed a dioxin/furan Total TEQ concentration below the applicable GW-3 standard.
- No other exceedances of MCP GW-3 standards were observed in any of the groundwater sample results received in November 2005.

**c. Work Plans/Reports/Documents Submitted**

None

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

- Continue ongoing groundwater and NAPL monitoring and recovery activities.
- Complete fall 2005 groundwater sampling event, including sampling of the last baseline well (114B-R), along with well 114A (proposed for supplemental sampling in the Spring 2005 Baseline Groundwater Monitoring Report) (see Item 23.e).
- Redevelop well 16C-R.
- Replace piezometer UB-PZ-2 with a new well (to be designated as GMA3-15).
- Evaluate NAPL thickness and groundwater elevation data.
- Validate groundwater analytical data.

**ITEM 23**  
**(cont'd)**  
**GROUNDWATER MANAGEMENT AREAS**  
**PLANT SITE 2 (GMA 3)**  
**(GEC330)**  
**NOVEMBER 2005**

**d. Upcoming Scheduled and Anticipated Activities (next six weeks) (cont'd)**

- Following EPA approval of proposed activities contained in GE's Spring 2005 Baseline Groundwater Quality and NAPL Monitoring Interim Report (submitted on August 30, 2005): (a) collect a groundwater sample from well 51-8 and, if necessary, a NAPL-saturated soil sample; and (b) perform desktop modeling of the potential volatilization of constituents observed at well 51-8. In addition, natural attenuation wells 39B-R and 114A were proposed for supplemental VOC sampling. Well 39B-R was sampled by GE in November 2005 and well 114A will be sampled in conjunction with baseline well 114B-R in December 2005.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

- Portions of this GMA were flooded during storm events in October 2005 and were not accessible at the start of the groundwater quality sampling event. GE has now conducted the baseline sampling activities at most of the scheduled locations and will sample the remaining wells (i.e., wells 114A and 114B-R) in December.
- Natural attenuation well 39D was found to be destroyed during recent inspections. GE plans to examine the prior data from this location and will discuss with EPA whether a replacement for this well is necessary.

**f. Proposed/Approved Work Plan Modifications**

Several program modifications were proposed in the Spring 2005 Baseline Groundwater Quality and NAPL Monitoring Interim Report (see Item 23.d above).

**TABLE 23-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**GROUNDWATER MANAGEMENT AREA 3  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Semi-Annual Groundwater Sampling	111-BR	11/3/05	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF	11/18/05
Semi-Annual Groundwater Sampling	16B-R	10/20/05	Water	SGS	VOC	11/9/05
Semi-Annual Groundwater Sampling	39B-R	10/21/05	Water	SGS	VOC	11/9/05
Semi-Annual Groundwater Sampling	51-14	10/20/05	Water	SGS	VOC	11/9/05
Semi-Annual Groundwater Sampling	54B-R	11/10/05	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	11/30/05
Semi-Annual Groundwater Sampling	6B-R	10/20/05	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	11/9/05
Semi-Annual Groundwater Sampling	78B-R	10/20/05	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	11/9/05
Semi-Annual Groundwater Sampling	82B-R	11/8/05	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	11/29/05
Semi-Annual Groundwater Sampling	89B	11/9/05	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	11/29/05
Semi-Annual Groundwater Sampling	90B	11/4/05	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	11/18/05
Semi-Annual Groundwater Sampling	95B-R	11/4/05	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	11/18/05
Semi-Annual Groundwater Sampling	DUP #5 (89B)	11/9/05	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	11/29/05
Semi-Annual Groundwater Sampling	GMA3-3	10/19/05	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb	11/4/05
Semi-Annual Groundwater Sampling	GMA3-4	10/19/05	Water	SGS	VOC	11/4/05
Semi-Annual Groundwater Sampling	GMA3-5	10/18/05	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF	11/4/05
Semi-Annual Groundwater Sampling	GMA3-6	10/21/05	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF	11/9/05
Semi-Annual Groundwater Sampling	GMA3-7	10/19/05	Water	SGS	PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF	11/4/05
Semi-Annual Groundwater Sampling	OBG-2	10/19/05	Water	SGS	VOC	11/4/05

**Notes:**

1. Field duplicate sample locations are presented in parenthesis.
2. (f) - Indicates filtered analysis requested.

**TABLE 23-2  
DATA RECEIVED DURING NOVEMBER 2005**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING  
GROUNDWATER MANAGEMENT AREA 3  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	6B-R 10/20/05	16B-R 10/20/05	39B-R 10/21/05	51-14 10/20/05	54B-R 11/10/05
<b>Volatile Organics</b>						
1,1-Dichloroethane		ND(0.050)	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Benzene		6.9	ND(0.0050)	0.049	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride		ND(0.050)	ND(0.0050)	ND(0.010)	0.0012 J	ND(0.0050)
Chlorobenzene		3.3	ND(0.0050)	0.24	ND(0.0050)	ND(0.0050)
Chloroform		ND(0.050)	ND(0.0050)	ND(0.010)	0.011	ND(0.0050)
Tetrachloroethene		ND(0.050)	ND(0.0020)	ND(0.010)	ND(0.0020)	ND(0.0020)
Toluene		0.064	ND(0.0050)	ND(0.010)	ND(0.0050)	ND(0.0050)
Vinyl Chloride		ND(0.050)	0.0015 J	ND(0.010)	ND(0.0020)	ND(0.0020)
Total VOCs		10	0.0015 J	0.29	0.012 J	ND(0.20)
<b>PCBs-Unfiltered</b>						
Aroclor-1254		0.00034	NA	NA	NA	0.00010
Total PCBs		0.00034	NA	NA	NA	0.00010
<b>PCBs-Filtered</b>						
Aroclor-1254		0.00011	NA	NA	NA	0.000056 J
Total PCBs		0.00011	NA	NA	NA	0.000056 J
<b>Semivolatile Organics</b>						
1,2-Dichlorobenzene		0.0030 J	ND(0.0050)	NA	ND(0.0050)	ND(0.010)
1,3-Dichlorobenzene		ND(0.010)	0.0010 J	NA	ND(0.0050)	ND(0.010)
1,4-Dichlorobenzene		0.036	0.0025 J	NA	ND(0.0050)	ND(0.010)
2-Chlorophenol		0.0014 J	NA	NA	NA	ND(0.010)
2-Methylnaphthalene		ND(0.010)	NA	NA	NA	ND(0.010)
2-Nitrophenol		ND(0.010)	NA	NA	NA	ND(0.010)
Acenaphthene		0.0085 J	NA	NA	NA	ND(0.010)
Anthracene		ND(0.010)	NA	NA	NA	ND(0.010)
Dibenzofuran		ND(0.010)	NA	NA	NA	ND(0.010)
Fluoranthene		ND(0.010)	NA	NA	NA	ND(0.010)
Fluorene		ND(0.010)	NA	NA	NA	ND(0.010)
Hexachlorobutadiene		ND(0.010)	NA	ND(0.010)	NA	ND(0.0010)
Naphthalene		0.022	ND(0.0050)	NA	ND(0.0050)	ND(0.010)
Phenanthrene		ND(0.010)	NA	NA	NA	ND(0.010)
Phenol		0.084	NA	NA	NA	ND(0.010)
Pyrene		ND(0.010)	NA	NA	NA	ND(0.010)
<b>Organochlorine Pesticides</b>						
None Detected		--	NA	NA	NA	--
<b>Organophosphate Pesticides</b>						
None Detected		--	NA	NA	NA	--
<b>Herbicides</b>						
None Detected		--	NA	NA	NA	--
<b>Furans</b>						
2,3,7,8-TCDF		0.0000000041 J	NA	NA	NA	ND(0.0000000026)
TCDFs (total)		0.0000000041 J	NA	NA	NA	ND(0.0000000026)
1,2,3,7,8-PeCDF		ND(0.0000000049)	NA	NA	NA	ND(0.0000000057) X
2,3,4,7,8-PeCDF		ND(0.0000000049)	NA	NA	NA	0.0000000055 J
PeCDFs (total)		ND(0.0000000049)	NA	NA	NA	0.000000011 J
1,2,3,4,7,8-HxCDF		ND(0.0000000049)	NA	NA	NA	0.0000000081 J
1,2,3,6,7,8-HxCDF		ND(0.0000000049)	NA	NA	NA	0.0000000057 J
1,2,3,7,8,9-HxCDF		ND(0.0000000049)	NA	NA	NA	ND(0.0000000048)
2,3,4,6,7,8-HxCDF		ND(0.0000000049)	NA	NA	NA	0.0000000054 J
HxCDFs (total)		ND(0.0000000049)	NA	NA	NA	0.000000019 J
1,2,3,4,6,7,8-HpCDF		ND(0.0000000049)	NA	NA	NA	0.0000000065 J
1,2,3,4,7,8,9-HpCDF		ND(0.0000000049)	NA	NA	NA	ND(0.0000000048)
HpCDFs (total)		ND(0.0000000049)	NA	NA	NA	0.0000000065 J
OCDF		ND(0.0000000099)	NA	NA	NA	0.000000010 J

**TABLE 23-2  
DATA RECEIVED DURING NOVEMBER 2005**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING  
GROUNDWATER MANAGEMENT AREA 3  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	6B-R 10/20/05	16B-R 10/20/05	39B-R 10/21/05	51-14 10/20/05	54B-R 11/10/05
<b>Dioxins</b>						
2,3,7,8-TCDD		ND(0.0000000030)	NA	NA	NA	ND(0.0000000031)
TCDDs (total)		ND(0.0000000030)	NA	NA	NA	ND(0.0000000031)
1,2,3,7,8-PeCDD		ND(0.0000000049)	NA	NA	NA	ND(0.0000000048)
PeCDDs (total)		ND(0.0000000049)	NA	NA	NA	ND(0.0000000048)
1,2,3,4,7,8-HxCDD		ND(0.0000000049)	NA	NA	NA	ND(0.0000000048)
1,2,3,6,7,8-HxCDD		ND(0.0000000049)	NA	NA	NA	ND(0.0000000048)
1,2,3,7,8,9-HxCDD		ND(0.0000000049)	NA	NA	NA	ND(0.0000000048)
HxCDDs (total)		ND(0.0000000049)	NA	NA	NA	ND(0.0000000048)
1,2,3,4,6,7,8-HpCDD		ND(0.0000000049)	NA	NA	NA	0.000000065 J
HpCDDs (total)		ND(0.0000000049)	NA	NA	NA	0.000000065 J
OCDD		0.00000011 J	NA	NA	NA	0.000000046 J
Total TEQs (WHO TEFs)		0.0000000075	NA	NA	NA	0.000000010
<b>Inorganics-Unfiltered</b>						
Antimony		ND(0.0600)	NA	NA	NA	ND(0.0600)
Arsenic		0.00440 B	NA	NA	NA	0.0140
Barium		0.0450 B	NA	NA	NA	0.210
Beryllium		ND(0.00100)	NA	NA	NA	ND(0.00100)
Cadmium		0.000530 B	NA	NA	NA	0.00150 B
Chromium		0.00160 B	NA	NA	NA	0.00560 B
Cobalt		ND(0.0500)	NA	NA	NA	0.00290 B
Copper		0.0150 B	NA	NA	NA	0.00700 B
Cyanide		0.00120 B	NA	NA	NA	0.0110
Lead		0.00330	NA	NA	NA	0.00200 B
Mercury		ND(0.000200)	NA	NA	NA	ND(0.000200)
Nickel		0.00320 B	NA	NA	NA	0.00250 B
Selenium		ND(0.00500)	NA	NA	NA	ND(0.00500)
Silver		ND(0.00500)	NA	NA	NA	ND(0.00500)
Sulfide		ND(5.00)	NA	NA	NA	3.20 B
Vanadium		0.00530 B	NA	NA	NA	0.00720 B
Zinc		0.0110 B	NA	NA	NA	0.0140 B
<b>Inorganics-Filtered</b>						
Antimony		ND(0.0600)	NA	NA	NA	ND(0.0600)
Arsenic		0.00680 B	NA	NA	NA	ND(0.0100)
Barium		0.0450 B	NA	NA	NA	0.0970 B
Beryllium		ND(0.00100)	NA	NA	NA	ND(0.00100)
Cadmium		ND(0.00500)	NA	NA	NA	ND(0.00500)
Chromium		0.00180 B	NA	NA	NA	ND(0.0100)
Cobalt		ND(0.0500)	NA	NA	NA	ND(0.0500)
Copper		ND(0.0250)	NA	NA	NA	ND(0.0250)
Cyanide		ND(0.0100)	NA	NA	NA	0.00680 B
Lead		0.00180 B	NA	NA	NA	ND(0.00300)
Mercury		ND(0.000200)	NA	NA	NA	ND(0.000200)
Nickel		0.00390 B	NA	NA	NA	ND(0.0400)
Selenium		0.00580	NA	NA	NA	ND(0.00500)
Silver		ND(0.00500)	NA	NA	NA	ND(0.00500)
Vanadium		0.00410 B	NA	NA	NA	ND(0.0500)
Zinc		0.00540 B	NA	NA	NA	ND(0.0200)



**TABLE 23-2  
DATA RECEIVED DURING NOVEMBER 2005**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING  
GROUNDWATER MANAGEMENT AREA 3  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	78B-R 10/20/05	82B-R 11/08/05	89B 11/09/05	89B-RE 11/09/05
<b>Volatile Organics</b>					
1,1-Dichloroethane		ND(0.10)	0.00067 J	ND(0.0050) [ND(0.0050)]	NA
Benzene		1.8	0.0014 J	0.0022 J [0.0022 J]	NA
Carbon Tetrachloride		ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	NA
Chlorobenzene		2.3	ND(0.0050)	0.23 [0.20]	NA
Chloroform		ND(0.10)	ND(0.0050)	ND(0.0050) [ND(0.0050)]	NA
Tetrachloroethene		ND(0.10)	ND(0.0020)	ND(0.0020) [ND(0.0020)]	NA
Toluene		ND(0.10)	0.00055 J	0.00051 J [0.00051 J]	NA
Vinyl Chloride		ND(0.10)	ND(0.0020)	ND(0.0020) [ND(0.0020)]	NA
Total VOCs		4.1	0.0026 J	0.23 J [0.20 J]	NA
<b>PCBs-Unfiltered</b>					
Aroclor-1254		ND(0.000065)	0.00066	0.000089 [0.00012]	NA
Total PCBs		ND(0.000065)	0.00066	0.000089 [0.00012]	NA
<b>PCBs-Filtered</b>					
Aroclor-1254		ND(0.000065)	0.00030	0.000068 [0.000091]	NA
Total PCBs		ND(0.000065)	0.00030	0.000068 [0.000091]	NA
<b>Semivolatile Organics</b>					
1,2-Dichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	NA
1,3-Dichlorobenzene		0.0021 J	ND(0.010)	ND(0.010) [ND(0.010)]	NA
1,4-Dichlorobenzene		0.011	ND(0.010)	ND(0.010) [0.0023 J]	NA
2-Chlorophenol		0.0042 J	ND(0.010)	ND(0.010) [ND(0.010)]	NA
2-Methylnaphthalene		0.020	ND(0.010)	ND(0.010) [ND(0.010)]	NA
2-Nitrophenol		ND(0.010)	ND(0.010)	ND(0.010) [ND(0.010)]	NA
Acenaphthene		0.014	ND(0.010)	ND(0.010) [ND(0.010)]	NA
Anthracene		0.0026 J	ND(0.010)	ND(0.010) [ND(0.010)]	NA
Dibenzofuran		0.012	ND(0.010)	ND(0.010) [ND(0.010)]	NA
Fluoranthene		0.0018 J	ND(0.010)	ND(0.010) [ND(0.010)]	NA
Fluorene		0.012	ND(0.010)	ND(0.010) [ND(0.010)]	NA
Hexachlorobutadiene		ND(0.010)	ND(0.0010)	0.00063 J [ND(0.0010)]	NA
Naphthalene		0.020	ND(0.010)	ND(0.010) [ND(0.010)]	NA
Phenanthrene		0.017	ND(0.010)	ND(0.010) [ND(0.010)]	NA
Phenol		0.0083 J	ND(0.010)	ND(0.010) [ND(0.010)]	NA
Pyrene		0.0016 J	ND(0.010)	ND(0.010) [ND(0.010)]	NA
<b>Organochlorine Pesticides</b>					
None Detected		--	--	--	NA
<b>Organophosphate Pesticides</b>					
None Detected		--	--	--	NA
<b>Herbicides</b>					
None Detected		--	--	--	NA
<b>Furans</b>					
2,3,7,8-TCDF		0.0000000058 J	ND(0.0000000032)	0.000000055 Y [0.000000027 J]	0.000000019 J
TCDFs (total)		0.000000086	ND(0.0000000032)	0.000000048 [0.000000027 J]	0.000000019 J
1,2,3,7,8-PeCDF		ND(0.0000000050)	ND(0.0000000054) X	0.00000024 [0.000000069 J]	ND(0.0000000050)
2,3,4,7,8-PeCDF		ND(0.0000000050)	ND(0.0000000050)	0.00000016 [0.000000056 J]	ND(0.0000000050)
PeCDFs (total)		0.000000018 J	ND(0.0000000050)	0.00000040 [0.000000012 J]	ND(0.0000000050)
1,2,3,4,7,8-HxCDF		ND(0.0000000050)	ND(0.0000000050)	0.00000016 [ND(0.0000000049)]	ND(0.0000000050)
1,2,3,6,7,8-HxCDF		ND(0.0000000050)	ND(0.0000000050)	0.00000019 [ND(0.0000000049)]	ND(0.0000000050)
1,2,3,7,8,9-HxCDF		ND(0.0000000050)	ND(0.0000000050)	0.00000017 [ND(0.0000000049)]	ND(0.0000000050)
2,3,4,6,7,8-HxCDF		ND(0.0000000050)	ND(0.0000000050)	0.00000011 [ND(0.0000000049)]	ND(0.0000000050)
HxCDFs (total)		0.000000080 J	ND(0.0000000050)	0.00000062 [ND(0.0000000049)]	ND(0.0000000050)
1,2,3,4,6,7,8-HpCDF		ND(0.0000000050)	ND(0.0000000050)	0.00000010 [ND(0.0000000049)]	ND(0.0000000050)
1,2,3,4,7,8,9-HpCDF		ND(0.0000000050)	ND(0.0000000050)	0.00000080 J [0.000000053 J]	ND(0.0000000050)
HpCDFs (total)		ND(0.0000000050)	ND(0.0000000050)	0.00000018 [0.000000053 J]	ND(0.0000000050)
OCDF		ND(0.0000000099)	ND(0.0000000099)	0.00000014 J [ND(0.0000000099)]	ND(0.0000000099)

**TABLE 23-2  
DATA RECEIVED DURING NOVEMBER 2005**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING  
GROUNDWATER MANAGEMENT AREA 3  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	78B-R 10/20/05	82B-R 11/08/05	89B 11/09/05	89B-RE 11/09/05
<b>Dioxins</b>					
2,3,7,8-TCDD		ND(0.000000025)	ND(0.000000044)	0.00000056 [ND(0.000000036)]	ND(0.000000021)
TCDDs (total)		ND(0.000000025)	ND(0.000000044)	0.00000056 [ND(0.000000036)]	ND(0.000000036)
1,2,3,7,8-PeCDD		ND(0.000000050)	ND(0.000000050)	0.00000024 [0.000000052 J]	ND(0.000000050)
PeCDDs (total)		ND(0.000000050)	ND(0.000000050)	0.00000024 [0.000000052 J]	ND(0.000000050)
1,2,3,4,7,8-HxCDD		ND(0.000000050)	ND(0.000000050)	0.00000011 [ND(0.000000049)]	ND(0.000000050)
1,2,3,6,7,8-HxCDD		ND(0.000000050)	ND(0.000000050)	0.00000014 [ND(0.000000049)]	ND(0.000000050)
1,2,3,7,8,9-HxCDD		ND(0.000000050)	ND(0.000000050)	0.00000014 [ND(0.000000049)]	ND(0.000000050)
HxCDDs (total)		ND(0.000000050)	ND(0.000000050)	0.00000039 [ND(0.000000049)]	ND(0.000000050)
1,2,3,4,6,7,8-HpCDD		ND(0.000000050)	0.000000054 J	0.00000077 J [0.000000062 J]	ND(0.000000050)
HpCDDs (total)		ND(0.000000050)	0.000000054 J	0.00000077 J [0.00000011 J]	ND(0.000000050)
OCDD		0.00000034 J	0.00000018 J	0.00000012 J [0.00000018 J]	ND(0.00000015)
Total TEQs (WHO TEFs)		0.000000075	0.000000081	0.00000050 [0.00000012]	0.000000069
<b>Inorganics-Unfiltered</b>					
Antimony		0.00820 B	0.00780 B	ND(0.0600) [ND(0.0600)]	NA
Arsenic		ND(0.0100)	0.00580 B	0.00540 B [ND(0.0100)]	NA
Barium		2.40	0.0760 B	0.0710 B [0.0710 B]	NA
Beryllium		ND(0.00100)	ND(0.00100)	ND(0.00100) [ND(0.00100)]	NA
Cadmium		0.000720 B	0.00110 B	0.000850 B [0.000570 B]	NA
Chromium		ND(0.0100)	ND(0.0100)	ND(0.0100) [ND(0.0100)]	NA
Cobalt		ND(0.0500)	ND(0.0500)	ND(0.0500) [ND(0.0500)]	NA
Copper		0.00160 B	ND(0.0250)	ND(0.0250) [ND(0.0250)]	NA
Cyanide		0.00180 B	ND(0.0100)	0.00480 B [0.00140 B]	NA
Lead		0.00570	ND(0.00300)	ND(0.00300) [ND(0.00300)]	NA
Mercury		ND(0.000200)	ND(0.000200)	ND(0.000200) [ND(0.000200)]	NA
Nickel		0.0200 B	ND(0.0400)	ND(0.0400) [ND(0.0400)]	NA
Selenium		ND(0.00500)	ND(0.00500)	ND(0.00500) [ND(0.00500)]	NA
Silver		ND(0.00500)	ND(0.00500)	ND(0.00500) [ND(0.00500)]	NA
Sulfide		ND(5.00)	3.20 B	3.20 B [3.20 B]	NA
Vanadium		0.00270 B	0.00410 B	0.00240 B [0.00220 B]	NA
Zinc		ND(0.0200)	ND(0.0200)	ND(0.0200) [ND(0.0200)]	NA
<b>Inorganics-Filtered</b>					
Antimony		ND(0.0600)	ND(0.0600)	ND(0.0600) [ND(0.0600)]	NA
Arsenic		ND(0.0100)	ND(0.0100)	ND(0.0100) [ND(0.0100)]	NA
Barium		2.10	0.0540 B	0.0550 B [0.0550 B]	NA
Beryllium		ND(0.00100)	ND(0.00100)	ND(0.00100) [ND(0.00100)]	NA
Cadmium		ND(0.00500)	ND(0.00500)	ND(0.00500) [ND(0.00500)]	NA
Chromium		0.00110 B	ND(0.0100)	ND(0.0100) [ND(0.0100)]	NA
Cobalt		ND(0.0500)	ND(0.0500)	ND(0.0500) [ND(0.0500)]	NA
Copper		ND(0.0250)	ND(0.0250)	ND(0.0250) [ND(0.0250)]	NA
Cyanide		0.00170 B	ND(0.0100)	ND(0.0100) [ND(0.0100)]	NA
Lead		0.00120 B	ND(0.00300)	ND(0.00300) [ND(0.00300)]	NA
Mercury		ND(0.000200)	ND(0.000200)	ND(0.000200) [ND(0.000200)]	NA
Nickel		0.0170 B	ND(0.0400)	ND(0.0400) [ND(0.0400)]	NA
Selenium		ND(0.00500)	ND(0.00500)	ND(0.00500) [ND(0.00500)]	NA
Silver		ND(0.00500)	ND(0.00500)	ND(0.00500) [ND(0.00500)]	NA
Vanadium		ND(0.0500)	0.00200 B	ND(0.0500) [ND(0.0500)]	NA
Zinc		ND(0.0200)	ND(0.0200)	ND(0.0200) [0.00460 B]	NA

**TABLE 23-2  
DATA RECEIVED DURING NOVEMBER 2005**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING  
GROUNDWATER MANAGEMENT AREA 3  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	90B 11/04/05	95B-R 11/04/05	111-BR 11/03/05	GMA3-3 10/19/05	GMA3-4 10/19/05
<b>Volatile Organics</b>						
1,1-Dichloroethane		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon Tetrachloride		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene		ND(0.0050)	0.012	ND(0.0050)	0.0048 J	ND(0.0050)
Chloroform		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene		ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Toluene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Vinyl Chloride		ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)	ND(0.0020)
Total VOCs		ND(0.20)	0.012	ND(0.20)	0.0048 J	ND(0.20)
<b>PCBs-Unfiltered</b>						
Aroclor-1254		0.000066	0.000036 J	ND(0.000065)	0.00033	NA
Total PCBs		0.000066	0.000036 J	ND(0.000065)	0.00033	NA
<b>PCBs-Filtered</b>						
Aroclor-1254		0.000029 J	ND(0.000065)	ND(0.000065)	0.00012	NA
Total PCBs		0.000029 J	ND(0.000065)	ND(0.000065)	0.00012	NA
<b>Semivolatile Organics</b>						
1,2-Dichlorobenzene		ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)
1,3-Dichlorobenzene		ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)
1,4-Dichlorobenzene		ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)
2-Chlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	NA
2-Methylnaphthalene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	NA
2-Nitrophenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	NA
Acenaphthene		ND(0.010)	ND(0.010)	ND(0.010)	0.0013 J	NA
Anthracene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	NA
Dibenzofuran		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	NA
Fluoranthene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	NA
Fluorene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	NA
Hexachlorobutadiene		ND(0.0010)	ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Naphthalene		ND(0.010)	ND(0.0050)	ND(0.010)	ND(0.010)	ND(0.0050)
Phenanthrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	NA
Phenol		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	NA
Pyrene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)	NA
<b>Organochlorine Pesticides</b>						
None Detected		--	--	NA	--	NA
<b>Organophosphate Pesticides</b>						
None Detected		--	--	NA	--	NA
<b>Herbicides</b>						
None Detected		--	--	NA	--	NA
<b>Furans</b>						
2,3,7,8-TCDF		0.000000031 J	ND(0.000000021) X	ND(0.000000030)	0.000000040 J	NA
TCDFs (total)		0.000000031 J	ND(0.000000017)	ND(0.000000030)	0.000000064 J	NA
1,2,3,7,8-PeCDF		0.000000088 J	ND(0.000000048)	ND(0.000000050)	ND(0.000000050)	NA
2,3,4,7,8-PeCDF		0.000000052 J	ND(0.000000048)	ND(0.000000050)	ND(0.000000050)	NA
PeCDFs (total)		0.00000014 J	ND(0.000000048)	ND(0.000000050)	ND(0.000000050)	NA
1,2,3,4,7,8-HxCDF		0.000000057 J	ND(0.000000048)	ND(0.000000050)	ND(0.000000050)	NA
1,2,3,6,7,8-HxCDF		0.000000062 J	ND(0.000000048)	ND(0.000000050)	ND(0.000000050)	NA
1,2,3,7,8,9-HxCDF		ND(0.000000050) X	ND(0.000000048)	ND(0.000000050)	ND(0.000000050)	NA
2,3,4,6,7,8-HxCDF		ND(0.000000049)	ND(0.000000048)	ND(0.000000050)	ND(0.000000050)	NA
HxCDFs (total)		0.00000012 J	ND(0.000000048)	ND(0.000000050)	ND(0.000000050)	NA
1,2,3,4,6,7,8-HpCDF		0.000000061 J	ND(0.000000048)	ND(0.000000050)	ND(0.000000050)	NA
1,2,3,4,7,8,9-HpCDF		0.000000051 J	ND(0.000000048)	ND(0.000000050)	ND(0.000000050)	NA
HpCDFs (total)		0.00000011 J	ND(0.000000048)	ND(0.000000050)	ND(0.000000050)	NA
OCDF		0.000000010 J	ND(0.000000097)	ND(0.000000010)	ND(0.000000010)	NA

**TABLE 23-2  
DATA RECEIVED DURING NOVEMBER 2005**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING  
GROUNDWATER MANAGEMENT AREA 3  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	90B 11/04/05	95B-R 11/04/05	111-BR 11/03/05	GMA3-3 10/19/05	GMA3-4 10/19/05
<b>Dioxins</b>						
2,3,7,8-TCDD		ND(0.0000000031)	ND(0.0000000027)	ND(0.0000000041)	ND(0.0000000025)	NA
TCDDs (total)		ND(0.0000000031)	ND(0.0000000027)	ND(0.0000000041)	ND(0.0000000025)	NA
1,2,3,7,8-PeCDD		0.0000000074 J	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000050)	NA
PeCDDs (total)		0.0000000074 J	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000050)	NA
1,2,3,4,7,8-HxCDD		0.0000000060 J	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000050)	NA
1,2,3,6,7,8-HxCDD		0.0000000056 J	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000050)	NA
1,2,3,7,8,9-HxCDD		0.0000000064 J	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000050)	NA
HxCDDs (total)		0.000000018 J	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000050)	NA
1,2,3,4,6,7,8-HpCDD		0.0000000066 J	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000050)	NA
HpCDDs (total)		0.0000000066 J	ND(0.0000000048)	ND(0.0000000050)	ND(0.0000000050)	NA
OCDD		0.0000000022 J	0.000000013 J	0.000000016 J	0.000000011 J	NA
Total TEQs (WHO TEFs)		0.000000016	0.0000000069	0.0000000079	0.0000000074	NA
<b>Inorganics-Unfiltered</b>						
Antimony		ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)	NA
Arsenic		0.00930 B	ND(0.0100)	ND(0.0100)	0.0180	NA
Barium		0.0360 B	0.0780 B	0.0360 B	0.140 B	NA
Beryllium		ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)	NA
Cadmium		0.000700 B	ND(0.00500)	ND(0.00500)	0.00110 B	NA
Chromium		0.00330 B	ND(0.0100)	0.00100 B	0.00120 B	NA
Cobalt		0.00110 B	0.000860 B	ND(0.0500)	0.00130 B	NA
Copper		0.00180 B	ND(0.0250)	ND(0.0250)	0.00360 B	NA
Cyanide		ND(0.0100)	ND(0.0100)	0.00260 B	0.00450 B	NA
Lead		ND(0.00300)	ND(0.00300)	ND(0.00300)	0.00260 B	NA
Mercury		0.000110 B	0.000120 B	ND(0.000200)	ND(0.000200)	NA
Nickel		0.00300 B	ND(0.0400)	ND(0.0400)	0.00390 B	NA
Selenium		0.00520	ND(0.00500)	0.00860	ND(0.00500)	NA
Silver		ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Sulfide		3.20 B	3.20 B	ND(5.00)	ND(5.00)	NA
Vanadium		0.00270 B	0.00140 B	0.00200 B	0.00600 B	NA
Zinc		ND(0.0200)	ND(0.0200)	ND(0.0200)	0.00450 B	NA
<b>Inorganics-Filtered</b>						
Antimony		ND(0.0600)	ND(0.0600)	ND(0.0600)	ND(0.0600)	NA
Arsenic		0.00840 B	ND(0.0100)	ND(0.0100)	0.0120	NA
Barium		0.0350 B	0.0680 B	0.0340 B	0.140 B	NA
Beryllium		ND(0.00100)	ND(0.00100)	ND(0.00100)	ND(0.00100)	NA
Cadmium		ND(0.00500)	ND(0.00500)	ND(0.00500)	0.000660 B	NA
Chromium		0.00290 B	ND(0.0100)	0.000740 B	ND(0.0100)	NA
Cobalt		ND(0.0500)	ND(0.0500)	ND(0.0500)	ND(0.0500)	NA
Copper		ND(0.0250)	ND(0.0250)	ND(0.0250)	0.00160 B	NA
Cyanide		ND(0.0100)	ND(0.0100)	0.00240 B	0.00390 B	NA
Lead		ND(0.00300)	ND(0.00300)	ND(0.00300)	0.00220 B	NA
Mercury		0.000130 B	0.000120 B	ND(0.000200)	ND(0.000200)	NA
Nickel		0.00200 B	ND(0.0400)	ND(0.0400)	ND(0.0400)	NA
Selenium		ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Silver		ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Vanadium		0.00160 B	ND(0.0500)	ND(0.0500)	0.00460 B	NA
Zinc		0.00420 B	ND(0.0200)	ND(0.0200)	ND(0.0200)	NA

**TABLE 23-2  
DATA RECEIVED DURING NOVEMBER 2005**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING  
GROUNDWATER MANAGEMENT AREA 3  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	GMA3-5 10/18/05	GMA3-6 10/21/05	GMA3-7 10/19/05	OBG-2 10/19/05
<b>Volatile Organics</b>					
1,1-Dichloroethane		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Benzene		ND(0.0050)	ND(0.0050)	ND(0.0050)	0.0025 J
Carbon Tetrachloride		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform		ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Tetrachloroethene		ND(0.0020)	0.0025	ND(0.0020)	ND(0.0020)
Toluene		ND(0.0050)	0.0024 J	0.0015 J	0.0016 J
Vinyl Chloride		ND(0.0020)	ND(0.0020)	ND(0.0020)	0.0015 J
Total VOCs		ND(0.20)	0.0049 J	0.0015 J	0.0056 J
<b>PCBs-Unfiltered</b>					
Aroclor-1254		0.00014	0.00021	0.00019	NA
Total PCBs		0.00014	0.00021	0.00019	NA
<b>PCBs-Filtered</b>					
Aroclor-1254		0.000046 J	ND(0.000065)	0.000083	NA
Total PCBs		0.000046 J	ND(0.000065)	0.000083	NA
<b>Semivolatile Organics</b>					
1,2-Dichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0050)
1,3-Dichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0050)
1,4-Dichlorobenzene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0050)
2-Chlorophenol		ND(0.010)	ND(0.010)	ND(0.010)	NA
2-Methylnaphthalene		ND(0.010)	ND(0.010)	ND(0.010)	NA
2-Nitrophenol		ND(0.010)	0.0072 J	ND(0.010)	NA
Acenaphthene		ND(0.010)	ND(0.010)	ND(0.010)	NA
Anthracene		ND(0.010)	ND(0.010)	ND(0.010)	NA
Dibenzofuran		ND(0.010)	ND(0.010)	ND(0.010)	NA
Fluoranthene		ND(0.010)	ND(0.010)	ND(0.010)	NA
Fluorene		ND(0.010)	ND(0.010)	ND(0.010)	NA
Hexachlorobutadiene		ND(0.0010)	ND(0.0010)	ND(0.0010)	NA
Naphthalene		ND(0.010)	ND(0.010)	ND(0.010)	ND(0.0050)
Phenanthrene		ND(0.010)	ND(0.010)	ND(0.010)	NA
Phenol		ND(0.010)	0.011	ND(0.010)	NA
Pyrene		ND(0.010)	ND(0.010)	ND(0.010)	NA
<b>Organochlorine Pesticides</b>					
None Detected		NA	NA	NA	NA
<b>Organophosphate Pesticides</b>					
None Detected		NA	NA	NA	NA
<b>Herbicides</b>					
None Detected		NA	NA	NA	NA
<b>Furans</b>					
2,3,7,8-TCDF		0.0000000050 J	0.0000000039 J	ND(0.0000000041) X	NA
TCDFs (total)		0.0000000050 J	0.0000000039 J	ND(0.0000000022)	NA
1,2,3,7,8-PeCDF		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
2,3,4,7,8-PeCDF		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
PeCDFs (total)		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
1,2,3,4,7,8-HxCDF		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
1,2,3,6,7,8-HxCDF		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
1,2,3,7,8,9-HxCDF		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
2,3,4,6,7,8-HxCDF		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
HxCDFs (total)		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
1,2,3,4,6,7,8-HpCDF		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
1,2,3,4,7,8,9-HpCDF		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
HpCDFs (total)		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
OCDF		ND(0.000000010)	ND(0.000000010)	ND(0.000000010)	NA

**TABLE 23-2  
DATA RECEIVED DURING NOVEMBER 2005**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING  
GROUNDWATER MANAGEMENT AREA 3  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	GMA3-5 10/18/05	GMA3-6 10/21/05	GMA3-7 10/19/05	OBG-2 10/19/05
<b>Dioxins</b>					
2,3,7,8-TCDD		ND(0.0000000034)	ND(0.0000000027)	ND(0.0000000038)	NA
TCDDs (total)		ND(0.0000000034)	ND(0.0000000027)	ND(0.0000000038)	NA
1,2,3,7,8-PeCDD		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
PeCDDs (total)		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
1,2,3,4,7,8-HxCDD		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
1,2,3,6,7,8-HxCDD		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
1,2,3,7,8,9-HxCDD		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
HxCDDs (total)		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
1,2,3,4,6,7,8-HpCDD		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
HpCDDs (total)		ND(0.0000000050)	ND(0.0000000050)	ND(0.0000000050)	NA
OCDD		0.000000015 J	0.000000020 J	0.000000016 J	NA
Total TEQs (WHO TEFs)		0.0000000079	0.0000000074	0.0000000078	NA
<b>Inorganics-Unfiltered</b>					
Antimony		ND(0.0600)	ND(0.0600)	ND(0.0600)	NA
Arsenic		ND(0.0100)	0.00400 B	ND(0.0100)	NA
Barium		0.0330 B	0.290	0.120 B	NA
Beryllium		ND(0.00100)	ND(0.00100)	ND(0.00100)	NA
Cadmium		0.000650 B	0.00110 B	ND(0.00500)	NA
Chromium		ND(0.0100)	ND(0.0100)	0.000900 B	NA
Cobalt		ND(0.0500)	0.00430 B	ND(0.0500)	NA
Copper		0.00210 B	0.00230 B	0.00150 B	NA
Cyanide		ND(0.0100)	0.00140 B	ND(0.0100)	NA
Lead		0.00250 B	0.00540	0.00260 B	NA
Mercury		ND(0.000200)	ND(0.000200)	ND(0.000200)	NA
Nickel		0.00330 B	0.00290 B	ND(0.0400)	NA
Selenium		ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Silver		ND(0.00500)	ND(0.00500)	ND(0.00500)	NA
Sulfide		ND(5.00)	ND(5.00)	ND(5.00)	NA
Vanadium		0.00210 B	ND(0.0500)	0.00220 B	NA
Zinc		0.00640 B	0.00890 B	ND(0.0200)	NA
<b>Inorganics-Filtered</b>					
Antimony		ND(0.0600)	ND(0.0600)	ND(0.0600)	NA
Arsenic		ND(0.0100)	0.00370 B	ND(0.0100)	NA
Barium		0.0320 B	0.260	0.120 B	NA
Beryllium		ND(0.00100)	0.00290	ND(0.00100)	NA
Cadmium		ND(0.00500)	0.00310 B	0.000560 B	NA
Chromium		ND(0.0100)	0.00360 B	ND(0.0100)	NA
Cobalt		ND(0.0500)	0.00640 B	ND(0.0500)	NA
Copper		0.00140 B	0.00290 B	ND(0.0250)	NA
Cyanide		ND(0.0100)	0.00230 B	0.00260 B	NA
Lead		ND(0.00300)	0.00160 B	ND(0.00300)	NA
Mercury		ND(0.000200)	ND(0.000200)	ND(0.000200)	NA
Nickel		ND(0.0400)	0.00720 B	ND(0.0400)	NA
Selenium		ND(0.00500)	0.00820	ND(0.00500)	NA
Silver		ND(0.00500)	0.00270 B	ND(0.00500)	NA
Vanadium		0.00200 B	0.00320 B	0.00200 B	NA
Zinc		0.00380 B	0.0130 B	ND(0.0200)	NA

**TABLE 23-2  
DATA RECEIVED DURING NOVEMBER 2005**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING  
GROUNDWATER MANAGEMENT AREA 3  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs and Appendix IX+3 constituents.
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
5. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
6. Field duplicate sample results are presented in brackets.
7. -- Indicates that all constituents for the parameter group were not detected.
8. Re-extraction was performed on Sample 89B due to confirm concentration of original analysis. Both results for this sample are reported.

Data Qualifiers:

Organics (PCBs, volatiles, semivolatiles, pesticides, herbicides, dioxin/furans)

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

X - Estimated maximum possible concentration.

Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

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

**TABLE 23-3**  
**MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL**  
**GROUNDWATER MANAGEMENT AREA 3**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**November 2005**

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	November 2005 Removal (liters)
51-21	11/8/2005	14.58	P	< 0.01	2.274	7.959
	11/16/2005	14.69	P	< 0.01	2.274	
	11/23/2005	14.45	---	0.00	2.274	
	11/29/2005	14.45	P	< 0.01	1.137	
59-03R	11/28/2005	10.90	10.53	0.37	0.228	0.228
59-07	11/28/2005	11.70	10.72	0.98	0.605	0.605
GMA3-10	11/16/2005	10.80	10.43	0.37	0.228	0.463
	11/23/2005	10.70	10.32	0.38	0.234	
GMA3-12	11/16/2005	11.10	10.80	0.30	0.185	0.185
GMA3-13	11/2/2005	10.92	10.25	0.67	0.413	2.154
	11/9/2005	11.20	10.43	0.77	0.475	
	11/16/2005	11.08	10.55	0.53	0.327	
	11/23/2005	11.00	10.56	0.44	0.840	
	11/28/2005	10.62	10.46	0.16	0.099	

**Total Automated LNAPL Removal at well 51-21 for November 2005: 7.959 liters**  
**2.10 Gallons**

**Total Manual LNAPL Removal at all other wells for November 2005: 3.635 liters**  
**0.96 Gallons**

**Total LNAPL Removed for November 2005: 11.594 liters**  
**3.06 Gallons**

Notes:

1. ft BMP - feet Below Measuring Point.
2. P indicates that LNAPL or DNAPL is present at a thickness that is < 0.01 feet. The corresponding thickness is recorded as such.



**TABLE 23-4**  
**ROUTINE WELL MONITORING**  
**GROUNDWATER MANAGEMENT AREA**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**November 2005**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
016A	991.77	11/7/2005	6.42	---	0.00	---	50.98	0.00	985.35
51-05	996.44	11/28/2005	9.76	9.72	0.04	---	12.53	0.00	986.72
51-06	997.36	11/28/2005	10.06	---	0.00	---	14.60	0.00	987.30
51-07	997.08	11/28/2005	Well Is Buried Under Snowpile		---	---	11.22	0.00	NA
51-08	997.08	11/2/2005	10.05	9.90	0.15	---	14.66	0.00	987.17
51-08	997.08	11/9/2005	10.24	10.12	0.12	---	14.68	0.00	986.95
51-08	997.08	11/16/2005	10.35	10.23	0.12	---	17.98	0.00	986.84
51-08	997.08	11/23/2005	10.15	10.10	0.05	---	14.68	0.00	986.98
51-08	997.08	11/28/2005	10.19	10.11	0.08	---	14.68	0.00	986.96
51-09	997.70	11/28/2005	10.05	---	0.00	---	11.60	0.00	NA
51-11	994.37	11/28/2005	7.31	---	0.00	---	13.50	0.00	987.06
51-12	996.55	11/28/2005	7.18	---	0.00	---	13.30	0.00	989.37
51-13	997.42	11/28/2005	Dry at 10.02 ft		0.00	---	---	0.00	NA
51-14	996.77	11/28/2005	10.05	---	0.00	---	14.95	0.00	986.72
51-15	996.43	11/28/2005	9.95	9.40	0.55	---	14.48	0.00	986.99
51-16R	996.39	11/28/2005	9.43	9.41	0.02	---	14.54	0.00	986.98
51-17	996.43	11/28/2005	9.49	9.41	0.08	---	14.50	0.00	987.01
51-18	997.12	11/28/2005	10.10	---	0.00	---	12.60	0.00	987.02
51-19	996.43	11/28/2005	9.87	9.55	0.32	---	14.02	0.00	NA
51-21	1001.49	11/3/2005	14.35	P	< 0.01	---	NM	0.00	987.14
51-21	1001.49	11/8/2005	14.58	P	< 0.01	---	NM	0.00	986.91
51-21	1001.49	11/16/2005	14.69	P	< 0.01	---	NM	0.00	986.80
51-21	1001.49	11/23/2005	14.45	---	0.00	---	NM	0.00	987.04
51-21	1001.49	11/29/2005	14.45	P	< 0.01	---	NM	0.00	987.04
054B-R	991.49	11/7/2005	4.24	---	0.00	---	15.50	0.00	987.25
054B-R	991.49	11/10/2005	4.20	---	0.00	---	15.57	0.00	987.29
59-01	997.52	11/28/2005	10.46	10.45	0.01	---	11.40	0.00	NA
59-03R	997.64	11/28/2005	10.90	10.53	0.37	---	17.05	0.00	987.08
59-07	997.96	11/28/2005	11.70	10.72	0.98	---	23.55	0.00	987.17
082B-R	989.90	11/8/2005	3.63	---	0.00	---	11.81	0.00	986.27
089B	986.03	11/9/2005	2.26	---	0.00	---	8.93	0.00	983.77
090B	989.10	11/4/2005	5.54	---	0.00	---	12.70	0.00	983.56
095B-R	986.24	11/4/2005	7.11	---	0.00	---	12.70	0.00	979.13
111B-R	997.48	11/3/2005	13.11	---	0.00	---	19.62	0.00	984.37
GMA3-5	993.67	11/7/2005	7.35	---	0.00	---	15.42	0.00	986.32
GMA3-8	996.24	11/7/2005	9.65	---	0.00	---	15.66	0.00	986.59
GMA3-10	997.54	11/2/2005	10.30	10.11	0.19	---	18.00	0.00	987.42
GMA3-10	997.54	11/9/2005	10.52	10.30	0.22	---	17.98	0.00	987.22
GMA3-10	997.54	11/16/2005	10.80	10.43	0.37	---	17.98	0.00	987.08
GMA3-10	997.54	11/23/2005	10.70	10.32	0.38	---	17.98	0.00	987.19
GMA3-10	997.54	11/28/2005	10.50	10.31	0.19	---	18.00	0.00	987.22
GMA3-12	997.84	11/2/2005	10.58	10.51	0.07	---	21.24	0.00	987.33
GMA3-12	997.84	11/9/2005	10.80	10.62	0.18	---	21.20	0.00	987.21
GMA3-12	997.84	11/16/2005	11.10	10.80	0.30	---	21.24	0.00	987.02
GMA3-12	997.84	11/23/2005	10.89	10.70	0.19	---	21.24	0.00	987.13
GMA3-12	997.84	11/28/2005	10.80	10.65	0.15	---	21.20	0.00	987.18

**TABLE 23-4**  
**ROUTINE WELL MONITORING**  
**GROUNDWATER MANAGEMENT AREA :**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**November 2005**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
GMA3-13	997.73	11/2/2005	10.92	10.25	0.67	---	17.78	0.00	987.43
GMA3-13	997.73	11/9/2005	11.20	10.43	0.77	---	17.79	0.00	987.25
GMA3-13	997.73	11/16/2005	11.08	10.55	0.53	---	17.78	0.00	987.14
GMA3-13	997.73	11/23/2005	11.00	10.56	0.44	---	17.80	0.00	987.14
GMA3-13	997.73	11/28/2005	10.62	10.46	0.16	---	17.76	0.00	987.26
GMA3-14	997.42	11/28/2005	10.03	---	0.00	---	17.00	0.00	987.39
OBG-2	992.20	11/7/2005	4.65	---	0.00	---	14.95	0.00	987.55
UB-MW-10	995.99	11/28/2005	8.90	---	0.00	---	15.21	0.00	987.09
UB-PZ-3	998.15	11/28/2005	11.71	11.51	0.20	---	13.41	0.00	0.00

**Notes:**

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. NM indicates information not measured.
5. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.

**ITEM 24  
GROUNDWATER MANAGEMENT AREAS  
PLANT SITE 3 (GMA 4)  
(GEC340)  
NOVEMBER 2005**

\* All activities described below for this item were conducted pursuant to the Consent Decree.

**a. Activities Undertaken/Completed**

- Completed fall 2005 groundwater quality sampling event.
- Conducted routine groundwater elevation monitoring at well GMA4-3.

**b. Sampling/Test Results Received**

- See attached tables.
- Preliminary analytical results received in November 2005 from the fall 2005 GMA 4 interim groundwater quality monitoring activities are shown in Table 24-2. These preliminary results have been compared to the current Method 1 GW-2 and GW-3 groundwater standards and UCLs for groundwater set forth in the MCP. These comparisons indicate no exceedances of those standards and UCLs.

**c. Work Plans/Reports/Documents Submitted**

None

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

- Continue routine monitoring at well GMA4-3.
- Evaluate groundwater elevation and analytical data.

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

**f. Proposed/Approved Work Plan Modifications**

In the Spring 2005 Groundwater Quality Monitoring Interim Report (submitted on August 30, 2005), GE proposed that wells GMA4-5 and H78B-13R no longer be sampled under the interim groundwater monitoring program.

**TABLE 24-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**GROUNDWATER MANAGEMENT AREA 4  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
Semi-Annual Groundwater Sampling	H78B-15	10/17/05	Water	SGS	PCB (f), VOC, SVOC, Metals (f), CN (f), Sulfide, PCDD/PCDF	11/2/05
Semi-Annual Groundwater Sampling	H78B-17R	10/13/05	Water	SGS	VOC	11/2/05
Semi-Annual Groundwater Sampling	OPCA-MW-3	10/12/05	Water	SGS	PCB (f), VOC, SVOC, Metals (f), CN (f), Sulfide, PCDD/PCDF	11/2/05
Semi-Annual Groundwater Sampling	OPCA-MW-6	10/17/05	Water	SGS	PCB (f), VOC, SVOC, Metals (f), CN (f), Sulfide, PCDD/PCDF	11/2/05
Semi-Annual Groundwater Sampling	OPCA-MW-7	10/20/05	Water	SGS	PCDD/PCDF	11/4/05
Semi-Annual Groundwater Sampling	OPCA-MW-7	10/17/05	Water	SGS	VOC, SVOC, Metals (f), CN (f)	11/2/05
Semi-Annual Groundwater Sampling	OPCA-MW-8	10/13/05	Water	SGS	PCB (f), VOC, SVOC, Metals (f), CN (f), Sulfide, PCDD/PCDF	11/2/05
Semi-Annual Groundwater Sampling	UB-MW-5	10/21/05	Water	SGS	Metals, Metals (f)	11/4/05
Semi-Annual Groundwater Sampling	UB-MW-5	10/18/05	Water	SGS	PCB, PCB (f), VOC	11/2/05
Semi-Annual Groundwater Sampling	UB-MW-5	11/1/05	Water	SGS	PCDD/PCDF	11/11/05
Semi-Annual Groundwater Sampling	UB-MW-5	10/28/05	Water	SGS	SVOC	11/4/05

**TABLE 24-2  
DATA RECEIVED DURING NOVEMBER 2005**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING  
GROUNDWATER MANAGEMENT AREA 4  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	H78B-15 10/17/05	H78B-17R 10/13/05	OPCA-MW-3 10/12/05	OPCA-MW-6 10/17/05
<b>Volatile Organics</b>					
Acetone		ND(0.010)	ND(0.020)	ND(0.010)	ND(0.010)
Carbon Disulfide		ND(0.0050)	ND(0.020)	0.00055 J	ND(0.0050)
Chloroform		ND(0.0050)	0.11	ND(0.0050)	ND(0.0050)
Chloromethane		ND(0.0050)	ND(0.020)	ND(0.0050)	ND(0.0050)
Dibromomethane		ND(0.0050)	ND(0.020)	ND(0.0050)	ND(0.0050)
Trichloroethene		ND(0.0050)	0.22	ND(0.0050)	ND(0.0050)
Total VOCs		ND(0.20)	0.33	0.00055 J	ND(0.20)
<b>PCBs-Unfiltered</b>					
Aroclor-1254		NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA
<b>PCBs-Filtered</b>					
Aroclor-1254		ND(0.000065)	NA	0.000047 J	0.000078
Total PCBs		ND(0.000065)	NA	0.000047 J	0.000078
<b>Semivolatile Organics</b>					
None Detected		--	NA	--	--
<b>Furans</b>					
2,3,7,8-TCDF		ND(0.000000019)	NA	0.000000024 J	ND(0.000000022)
TCDFs (total)		ND(0.000000019)	NA	0.000000024 J	ND(0.000000015)
1,2,3,7,8-PeCDF		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
2,3,4,7,8-PeCDF		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
PeCDFs (total)		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
1,2,3,4,7,8-HxCDF		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
1,2,3,6,7,8-HxCDF		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
1,2,3,7,8,9-HxCDF		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
2,3,4,6,7,8-HxCDF		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
HxCDFs (total)		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
1,2,3,4,6,7,8-HpCDF		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
1,2,3,4,7,8,9-HpCDF		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
HpCDFs (total)		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
OCDF		ND(0.000000099)	NA	ND(0.000000098)	ND(0.000000010)
<b>Dioxins</b>					
2,3,7,8-TCDD		ND(0.000000024)	NA	ND(0.000000024)	ND(0.000000024) X
TCDDs (total)		ND(0.000000024)	NA	ND(0.000000030)	ND(0.000000031)
1,2,3,7,8-PeCDD		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
PeCDDs (total)		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
1,2,3,4,7,8-HxCDD		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
1,2,3,6,7,8-HxCDD		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
1,2,3,7,8,9-HxCDD		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
HxCDDs (total)		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
1,2,3,4,6,7,8-HpCDD		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
HpCDDs (total)		ND(0.000000050)	NA	ND(0.000000049)	ND(0.000000050)
OCDD		0.00000011 J	NA	0.00000022 J	0.00000010 J
Total TEQs (WHO TEFs)		0.000000070	NA	0.000000070	0.000000070
<b>Inorganics-Unfiltered</b>					
Barium		NA	NA	NA	NA
Cadmium		NA	NA	NA	NA
Chromium		NA	NA	NA	NA
Copper		NA	NA	NA	NA
Lead		NA	NA	NA	NA
Nickel		NA	NA	NA	NA
Vanadium		NA	NA	NA	NA
Zinc		NA	NA	NA	NA
<b>Inorganics-Filtered</b>					
Barium		0.0180 B	NA	0.0940 B	0.0170 B
Cadmium		ND(0.00500)	NA	0.000810 B	ND(0.00500)
Chromium		ND(0.0100)	NA	0.000630 B	0.00110 B
Copper		0.00280 B	NA	0.00190 B	0.00140 B
Cyanide		0.00480 B	NA	0.00580 B	0.00200 B
Lead		0.00200 B	NA	ND(0.00300)	0.00140 B
Nickel		ND(0.0400)	NA	0.00410 B	ND(0.0400)
Vanadium		ND(0.0500)	NA	ND(0.0500)	ND(0.0500)
Zinc		0.00330 B	NA	ND(0.0200)	ND(0.0200)

**TABLE 24-2  
DATA RECEIVED DURING NOVEMBER 2005**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING  
GROUNDWATER MANAGEMENT AREA 4  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	OPCA-MW-7 10/17-10/20/2005	OPCA-MW-8 10/13/05	UB-MW-5 10/18-11/1/2005
<b>Volatile Organics</b>				
Acetone		ND(0.010)	0.0017 J	ND(0.010)
Carbon Disulfide		ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloroform		ND(0.0050)	ND(0.0050)	ND(0.0050)
Chloromethane		ND(0.0050)	0.00067 J	ND(0.0050)
Dibromomethane		0.0026 J	ND(0.0050)	ND(0.0050)
Trichloroethene		ND(0.0050)	ND(0.0050)	ND(0.0050)
Total VOCs		0.0026 J	0.0024 J	ND(0.20)
<b>PCBs-Unfiltered</b>				
Aroclor-1254		NA	NA	ND(0.000065)
Total PCBs		NA	NA	ND(0.000065)
<b>PCBs-Filtered</b>				
Aroclor-1254		NA	ND(0.000065)	0.000037 J
Total PCBs		NA	ND(0.000065)	0.000037 J
<b>Semivolatile Organics</b>				
None Detected		--	--	--
<b>Furans</b>				
2,3,7,8-TCDF		0.000000048 J	ND(0.000000025)	ND(0.000000044) X
TCDFs (total)		0.000000048 J	ND(0.000000025)	ND(0.000000027)
1,2,3,7,8-PeCDF		ND(0.000000050)	ND(0.000000049)	ND(0.000000049)
2,3,4,7,8-PeCDF		ND(0.000000050)	ND(0.000000049)	ND(0.000000049)
PeCDFs (total)		ND(0.000000050)	ND(0.000000049)	0.000000052 J
1,2,3,4,7,8-HxCDF		0.000000058 J	ND(0.000000049)	0.000000064 J
1,2,3,6,7,8-HxCDF		ND(0.000000050)	ND(0.000000049)	0.000000057 J
1,2,3,7,8,9-HxCDF		ND(0.000000050)	ND(0.000000049)	ND(0.000000049)
2,3,4,6,7,8-HxCDF		ND(0.000000050)	ND(0.000000049)	ND(0.000000049)
HxCDFs (total)		0.00000011 J	ND(0.000000049)	0.000000027 J
1,2,3,4,6,7,8-HpCDF		ND(0.000000050)	ND(0.000000049)	0.000000071 J
1,2,3,4,7,8,9-HpCDF		ND(0.000000050)	ND(0.000000049)	ND(0.000000049)
HpCDFs (total)		ND(0.000000050)	ND(0.000000049)	0.000000071 J
OCDF		ND(0.00000010)	ND(0.000000098)	0.00000012 J
<b>Dioxins</b>				
2,3,7,8-TCDD		ND(0.000000033)	ND(0.000000031)	ND(0.000000041)
TCDDs (total)		ND(0.000000033)	ND(0.000000031)	ND(0.000000041)
1,2,3,7,8-PeCDD		ND(0.000000050)	ND(0.000000049)	ND(0.000000049)
PeCDDs (total)		ND(0.000000050)	ND(0.000000049)	ND(0.000000049)
1,2,3,4,7,8-HxCDD		ND(0.000000050)	ND(0.000000049)	ND(0.000000049)
1,2,3,6,7,8-HxCDD		ND(0.000000050)	ND(0.000000049)	ND(0.000000049)
1,2,3,7,8,9-HxCDD		ND(0.000000050)	ND(0.000000049)	ND(0.000000049)
HxCDDs (total)		ND(0.000000050)	ND(0.000000049)	ND(0.000000049)
1,2,3,4,6,7,8-HpCDD		ND(0.000000050)	ND(0.000000049)	0.000000075 J
HpCDDs (total)		ND(0.000000050)	ND(0.000000049)	0.000000075 J
OCDD		0.00000018 J	0.000000039 J	0.000000061 J
Total TEQs (WHO TEFs)		0.000000082	0.000000073	0.000000087
<b>Inorganics-Unfiltered</b>				
Barium		NA	NA	0.0400 B
Cadmium		NA	NA	ND(0.00500)
Chromium		NA	NA	0.00140 B
Copper		NA	NA	0.00210 B
Lead		NA	NA	0.00300 B
Nickel		NA	NA	0.00320 B
Vanadium		NA	NA	0.00290 B
Zinc		NA	NA	0.0170 B
<b>Inorganics-Filtered</b>				
Barium		0.0200 B	0.00770 B	0.0380 B
Cadmium		0.000570 B	ND(0.00500)	ND(0.00500)
Chromium		0.000720 B	0.000760 B	0.00210 B
Copper		ND(0.0250)	ND(0.0250)	ND(0.0250)
Cyanide		0.00140 B	0.00250 B	DR
Lead		ND(0.00300)	ND(0.00300)	ND(0.00300)
Nickel		ND(0.0400)	ND(0.0400)	0.00420 B
Vanadium		0.00260 B	ND(0.0500)	ND(0.0500)
Zinc		ND(0.0200)	ND(0.0200)	0.00400 B

**TABLE 24-2  
DATA RECEIVED DURING NOVEMBER 2005**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING  
GROUNDWATER MANAGEMENT AREA 4  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs and Appendix IX+3 constituents.
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. DR - Data received and reported in Table 24-2 of the October 2005 CD Monthly Report.
5. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
6. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
7. Field duplicate sample results are presented in brackets.
8. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics (PCBs, volatiles, semivolatiles, dioxin/furans)

- J - Indicates an estimated value less than the practical quantitation limit (PQL).
- X - Estimated maximum possible concentration.

Inorganics

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

**TABLE 24-3  
ROUTINE WELL MONITORING  
GROUNDWATER MANAGEMENT AREA 4  
CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
November 2005**

<b>Well Name</b>	<b>Measuring Point Elev. (feet)</b>	<b>Date</b>	<b>Depth to Water (ft BMP)</b>	<b>Depth to LNAPL (ft BMP)</b>	<b>LNAPL Thickness (feet)</b>	<b>Depth to DNAPL (ft BMP)</b>	<b>Total Depth (ft BMP)</b>	<b>DNAPL Thickness (feet)</b>	<b>Corrected Water Elev. (feet)</b>
GMA4-3	1,003.95	11/28/2005	16.75	---	0.00	---	26.26	0.00	987.20
UB-MW-5	1,006.06	11/1/2005	14.50	---	0.00	---	15.45	0.00	991.56

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.



**ITEM 25**  
**GROUNDWATER MANAGEMENT AREAS**  
**FORMER OXBOWS A & C (GMA 5)**  
**(GEC350)**  
**NOVEMBER 2005**

\* All activities described below for this item were conducted pursuant to the Consent Decree.

**a. Activities Undertaken/Completed**

Conducted semi-annual groundwater elevation monitoring.

**b. Sampling/Test Results Received**

See attached table.

**c. Work Plans/Reports/Documents Submitted**

None

**d. Upcoming Scheduled and Anticipated Activities (next six weeks)**

None

**e. General Progress/Unresolved Issues/Potential Schedule Impacts**

No issues

**f. Proposed/Approved Work Plan Modifications**

EPA's November 10, 2004 letter to GE stated that interim groundwater quality sampling activities are to be postponed until groundwater elevation monitoring data demonstrate that groundwater flow is not being artificially influenced by the temporary dam that is being maintained as part of the remediation along the 1½ Mile Reach of the Housatonic River. Since those remediation activities are ongoing and the temporary dam is still in place, no groundwater sampling was conducted at GMA 5 in fall 2005. The annual interim groundwater sampling will resume in spring 2006 provided that the temporary dam has been removed and groundwater flow is no longer influenced by the dam.

**TABLE 25-1  
ROUTINE WELL MONITORING  
GROUNDWATER MANAGEMENT AREA 5  
CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
November 2005**

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
<b>GMA 5 - Former Oxbow Area A</b>									
GES-7	992.10	11/8/2005	15.21	---	0.00	---	16.65	0.00	976.89
GES-8	990.15	11/8/2005	13.09	---	0.00	---	16.65	0.00	977.06
GES-9	990.72	11/8/2005	15.88	---	0.00	---	16.61	0.00	974.84
GMA 5-1	984.59	11/8/2005	8.91	---	0.00	---	15.71	0.00	975.68
GMA 5-3	989.14	11/8/2005	16.75	---	0.00	---	24.92	0.00	972.39
GMA 5-4	979.10	11/8/2005	Unable to Open Well		0.00	---	18.14	0.00	NA
GMA 5-7	986.75	11/8/2005	14.80	---	0.00	---	27.81	0.00	971.95
GMA 5-8	984.69	11/8/2005	11.61	---	0.00	---	17.78	0.00	973.08
GT-7	989.76	11/8/2005	16.86	---	0.00	---	24.10	0.00	972.90
GT-101	NA	11/8/2005	17.20	---	0.00	---	24.32	0.00	NA
GT-102	NA	11/8/2005	17.21	---	0.00	---	24.46	0.00	NA
RW-2	NA	11/8/2005	17.76	---	0.00	---	20.15	0.00	NA
<b>GMA 5 - Former Oxbow Area C</b>									
C-1	987.82	11/8/2005	15.68	---	0.00	---	22.70	0.00	972.14
C-2	979.25	11/8/2005	5.80	---	0.00	---	18.45	0.00	973.45
GMA 5-2	982.66	11/8/2005	9.30	---	0.00	---	20.68	0.00	973.36
GMA 5-5	982.64	11/8/2005	Unable to Locate		0.00	---	0.00	0.00	NA
GMA 5-6	979.23	11/8/2005	7.61	---	0.00	---	15.30	0.00	971.62

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.

***Attachment A***

---

***NPDES Sampling Records and Results  
November 2005***

**TABLE A-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**NPDES PERMIT MONITORING  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
NPDES Sampling	001-A6885	11/1/05	Water	Columbia	Oil & Grease	11/14/05
NPDES Sampling	001-A6888	11/1/05	Water	SGS	PCB	11/10/05
NPDES Sampling	001-A6893	11/7/05	Water	Columbia	TSS	11/11/05
NPDES Sampling	005-A6867/A6868	10/25/05	Water	SGS	PCB	11/1/05
NPDES Sampling	005-A6879/A6880	11/1/05	Water	SGS	PCB	11/4/05
NPDES Sampling	005-A6897/A6901	11/7/05	Water	Columbia	TSS, BOD	11/14/05
NPDES Sampling	005-A6897/A6901	11/7/05	Water	SGS	PCB	11/14/05
NPDES Sampling	005-A6913/A6917	11/14/05	Water	SGS	PCB	11/25/05
NPDES Sampling	005-A6931/A6932	11/22/05	Water	SGS	PCB	
NPDES Sampling	005-A6942/A6946	11/28/05	Water	SGS	PCB	
NPDES Sampling	09B-A6856	10/23/05	Water	Columbia	TSS	11/8/05
NPDES Sampling	09B-A6859	10/24/05	Water	Columbia	BOD	11/8/05
NPDES Sampling	09B-A6870	10/30/05	Water	Columbia	TSS	11/11/05
NPDES Sampling	09B-A6877	10/31/05	Water	Columbia	BOD	11/11/05
NPDES Sampling	09B-A6889	11/6/05	Water	Columbia	TSS	11/28/05
NPDES Sampling	09B-A6902	11/7/05	Water	Columbia	BOD	11/28/05
NPDES Sampling	09B-A6905	11/13/05	Water	Columbia	TSS	
NPDES Sampling	09B-A6918	11/14/05	Water	Columbia	BOD	
NPDES Sampling	09B-A6919	11/20/05	Water	Columbia	TSS	
NPDES Sampling	09B-A6926	11/21/05	Water	Columbia	BOD	
NPDES Sampling	09B-A6934	11/27/05	Water	Columbia	TSS	
NPDES Sampling	09B-A6947	11/28/05	Water	Columbia	BOD	
NPDES Sampling	09C-A6853	10/23/05	Water	Columbia	Oil & Grease	11/8/05
NPDES Sampling	09C-A6882	11/1/05	Water	Columbia	Oil & Grease	11/14/05
NPDES Sampling	09C-A6890	11/6/05	Water	Columbia	Oil & Grease	11/28/05
NPDES Sampling	09C-A6906	11/13/05	Water	Columbia	Oil & Grease	
NPDES Sampling	09C-A6927	11/22/05	Water	Columbia	Oil & Grease	
NPDES Sampling	09C-A6935	11/27/05	Water	Columbia	Oil & Grease	
NPDES Sampling	64G-A6863	10/24/05	Water	Columbia	Oil & Grease	11/8/05
NPDES Sampling	64G-A6874	10/31/05	Water	Columbia	Oil & Grease	11/11/05
NPDES Sampling	64G-A6898	11/7/05	Water	Columbia	Oil & Grease	11/28/05
NPDES Sampling	64G-A6914	11/14/05	Water	Columbia	Oil & Grease	
NPDES Sampling	64G-A6923	11/21/05	Water	Columbia	Oil & Grease	

**TABLE A-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING NOVEMBER 2005**

**NPDES PERMIT MONITORING  
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

<b>Project Name</b>	<b>Field Sample ID</b>	<b>Sample Date</b>	<b>Matrix</b>	<b>Laboratory</b>	<b>Analyses</b>	<b>Date Received by GE or BBL</b>
NPDES Sampling	64G-A6943	11/28/05	Water	Columbia	Oil & Grease	
NPDES Sampling	64T-A6860	10/24/05	Water	Columbia	Oil & Grease	11/8/05
NPDES Sampling	64T-A6871	10/31/05	Water	Columbia	Oil & Grease	11/11/05
NPDES Sampling	64T-A6894	11/7/05	Water	Columbia	Oil & Grease	11/28/05
NPDES Sampling	64T-A6910	11/14/05	Water	Columbia	Oil & Grease	
NPDES Sampling	64T-A6920	11/21/05	Water	Columbia	Oil & Grease	
NPDES Sampling	64T-A6939	11/28/05	Water	Columbia	Oil & Grease	
NPDES Sampling	A6847R	10/18/05	Water	Aquatec Biological Sciences	Acute Toxicity Test	11/3/05
NPDES Sampling	A6847RCN	10/18/05	Water	Columbia	CN	11/8/05
NPDES Sampling	A6847RTM	10/18/05	Water	Columbia	Metals (10)	11/8/05
NPDES Sampling	A6848C	10/18/05	Water	Aquatec Biological Sciences	Acute Toxicity Test	11/3/05
NPDES Sampling	A6848CCN	10/18/05	Water	Columbia	CN	11/8/05
NPDES Sampling	A6848CDM	10/18/05	Water	Columbia	Filtered Metals (8)	11/8/05
NPDES Sampling	A6848CTM	10/18/05	Water	Columbia	Metals (10)	11/8/05
NPDES Sampling	A6903R	11/7/05	Water	Aquatec Biological Sciences	Acute Toxicity Test	11/29/05
NPDES Sampling	A6903RCN	11/7/05	Water	Columbia	CN	
NPDES Sampling	A6903RTM	11/7/05	Water	Columbia	Metals (10)	
NPDES Sampling	A6904C	11/7/05	Water	Aquatec Biological Sciences	Acute Toxicity Test	11/29/05
NPDES Sampling	A6904CCN	11/7/05	Water	Columbia	CN	
NPDES Sampling	A6904CDM	11/7/05	Water	Columbia	Filtered Metals (8)	
NPDES Sampling	A6904CTM	11/7/05	Water	Columbia	Metals (10)	
NPDES Sampling	DEC05WK1	11/28/05	Water	Columbia	Cu, Pb, Zn	
NPDES Sampling	NOV05WK1	11/1/05	Water	Columbia	Cu, Pb, Zn	11/14/05
NPDES Sampling	NOV05WK3	11/14/05	Water	Columbia	Cu, Pb, Zn	
NPDES Sampling	NOV05WK4	11/22/05	Water	Columbia	Cu, Pb, Zn	
NPDES Sampling	OCT05WK5	10/25/05	Water	Columbia	Cu, Pb, Zn	11/8/05

**TABLE A-2  
DATA RECEIVED DURING NOVEMBER 2005**

**NPDES PERMIT MONITORING SAMPLING  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	001-A6885 11/01/05	001-A6888 11/01/05	001-A6893 11/07/05	005-A6867/A6868 10/25/05	005-A6879/A6880 11/01/05	005-A6897/A6901 11/07/05	005-A6913/A6917 11/14/05
<b>PCBs-Unfiltered</b>								
Aroclor-1254		NA	0.000021 J	NA	0.00011	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1260		NA	ND(0.000065)	NA	0.000099	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs		NA	0.000021 J	NA	0.000209	ND(0.000065)	ND(0.000065)	ND(0.000065)
<b>Inorganics-Unfiltered</b>								
Aluminum		NA	NA	NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA	NA	NA
Calcium		NA	NA	NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA	NA	NA
Cyanide		NA	NA	NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA	NA	NA
Magnesium		NA	NA	NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA	NA	NA
<b>Inorganics-Filtered</b>								
Aluminum		NA	NA	NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA	NA	NA
<b>Conventionals</b>								
Biological Oxygen Demand (5-day)		NA	NA	NA	NA	NA	ND(2.0)	NA
Oil & Grease		ND(5.0)	NA	NA	NA	NA	NA	NA
Total Suspended Solids		NA	NA	13.0	NA	NA	ND(1.00)	NA

**TABLE A-2  
DATA RECEIVED DURING NOVEMBER 2005**

**NPDES PERMIT MONITORING SAMPLING  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Parameter</b>	<b>Sample ID: Date Collected:</b>	<b>09B-A6856 10/23/05</b>	<b>09B-A6859 10/24/05</b>	<b>09B-A6870 10/30/05</b>	<b>09B-A6877 10/31/05</b>	<b>09B-A6889 11/06/05</b>	<b>09B-A6902 11/07/05</b>	<b>09C-A6853 10/23/05</b>	<b>09C-A6882 11/01/05</b>
<b>PCBs-Unfiltered</b>									
Aroclor-1254		NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260		NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA	NA	NA	NA	NA
<b>Inorganics-Unfiltered</b>									
Aluminum		NA	NA	NA	NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA	NA	NA	NA
Calcium		NA	NA	NA	NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA	NA	NA	NA
Cyanide		NA	NA	NA	NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA	NA	NA	NA
Magnesium		NA	NA	NA	NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA	NA	NA	NA
<b>Inorganics-Filtered</b>									
Aluminum		NA	NA	NA	NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA	NA	NA	NA
<b>Conventionals</b>									
Biological Oxygen Demand (5-day)		NA	ND(2.0)	NA	ND(2.0)	NA	ND(2.0)	NA	NA
Oil & Grease		NA	NA	NA	NA	NA	NA	ND(5.0)	ND(5.0)
Total Suspended Solids		15.6	NA	2.29	NA	3.10	NA	NA	NA

**TABLE A-2  
DATA RECEIVED DURING NOVEMBER 2005**

**NPDES PERMIT MONITORING SAMPLING  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	09C-A6890 11/06/05	64G-A6863 10/24/05	64G-A6874 10/31/05	64G-A6898 11/07/05	64T-A6860 10/24/05	64T-A6871 10/31/05	64T-A6894 11/07/05	A6847RCN 10/18/05
<b>PCBs-Unfiltered</b>									
Aroclor-1254		NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260		NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA	NA	NA	NA	NA
<b>Inorganics-Unfiltered</b>									
Aluminum		NA	NA	NA	NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA	NA	NA	NA
Calcium		NA	NA	NA	NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA	NA	NA	NA
Cyanide		NA	NA	NA	NA	NA	NA	NA	ND(0.0100)
Lead		NA	NA	NA	NA	NA	NA	NA	NA
Magnesium		NA	NA	NA	NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA	NA	NA	NA
<b>Inorganics-Filtered</b>									
Aluminum		NA	NA	NA	NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA	NA	NA	NA
<b>Conventionals</b>									
Biological Oxygen Demand (5-day)		NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease		ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	NA
Total Suspended Solids		NA	NA	NA	NA	NA	NA	NA	NA



**TABLE A-2  
DATA RECEIVED DURING NOVEMBER 2005**

**NPDES PERMIT MONITORING SAMPLING  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	A6847RTM 10/18/05	A6848CCN 10/18/05	A6848CDM 10/18/05	A6848CTM 10/18/05	NOV05WK1 11/01/05	OCT05WK5 10/25/05
<b>PCBs-Unfiltered</b>							
Aroclor-1254		NA	NA	NA	NA	NA	NA
Aroclor-1260		NA	NA	NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA	NA	NA
<b>Inorganics-Unfiltered</b>							
Aluminum		ND(0.100)	NA	NA	ND(0.100)	NA	NA
Cadmium		ND(0.00500)	NA	NA	ND(0.00500)	NA	NA
Calcium		11.2	NA	NA	83.7	NA	NA
Chromium		ND(0.0100)	NA	NA	ND(0.0100)	NA	NA
Copper		ND(0.0200)	NA	NA	ND(0.0200)	ND(0.0200)	ND(0.0200)
Cyanide		NA	0.0979	NA	NA	NA	NA
Lead		ND(0.00500)	NA	NA	ND(0.00500)	ND(0.00500)	ND(0.0500)
Magnesium		3.63	NA	NA	32.0	NA	NA
Nickel		ND(0.0400)	NA	NA	ND(0.0400)	NA	NA
Silver		ND(0.0100)	NA	NA	ND(0.0100)	NA	NA
Zinc		ND(0.0200)	NA	NA	ND(0.0200)	ND(0.0200)	ND(0.0200)
<b>Inorganics-Filtered</b>							
Aluminum		NA	NA	ND(0.100)	NA	NA	NA
Cadmium		NA	NA	ND(0.00500)	NA	NA	NA
Chromium		NA	NA	ND(0.0100)	NA	NA	NA
Copper		NA	NA	ND(0.0200)	NA	NA	NA
Lead		NA	NA	ND(0.00500)	NA	NA	NA
Nickel		NA	NA	ND(0.0400)	NA	NA	NA
Silver		NA	NA	ND(0.0100)	NA	NA	NA
Zinc		NA	NA	ND(0.0200)	NA	NA	NA
<b>Conventionals</b>							
Biological Oxygen Demand (5-day)		NA	NA	NA	NA	NA	NA
Oil & Grease		NA	NA	NA	NA	NA	NA
Total Suspended Solids		NA	NA	NA	NA	NA	NA

Notes:

1. Samples were collected by General Electric Company, and submitted to Columbia Analytical Services, Inc. and SGS Environmental Services, Inc. for analysis of PCBs, cyanide, TSS, BOD, oil & grease, and metals (filtered and unfiltered).
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. With the exception of inorganics and conventional parameters 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).

***Attachment B***

---

***NPDES Discharge Monitoring Reports  
October 2005***

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME GENERAL ELECTRIC CORPORATION  
 ADDRESS ATTN: JEFFREY G. RUEBESAM  
 100 WOODLAWN AVENUE  
 PITTSFIELD MA 01201  
 FACILITY GENERAL ELECTRIC COMPANY  
 LOCATION PITTSFIELD MA 01201  
 ATTN: MICHAEL T CARROLL, EHS&F

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

MA0003891 PERMIT NUMBER  
 0051 DISCHARGE NUMBER

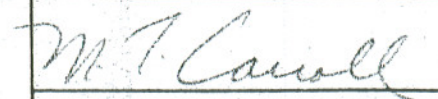
MAJOR (SUBR W)  
 F - FINAL  
 WATERS TO HOUSATONIC RIVER

Form Approved  
 OMB No. 2040-0004

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
05	10	01		05	10	31

\*\*\* NO DISCHARGE 1 \*\*\*  
 NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 T 0 0 SEE COMMENTS BELOW	0	0	( 26 )	*****	*****	*****	*****	0	01/30	CP	
	PERMIT REQUIREMENT	90 MO AVG	135 DAILY MX	LBS/DY	*****	*****	*****	*****	ONCE/MONTH	COMPOS	
SOLIDS, TOTAL SUSPENDED 00530 T 0 0 SEE COMMENTS BELOW	1.4	1.4	( 26 )	*****	*****	*****	*****	0	01/30	CP	
	PERMIT REQUIREMENT	188 MO AVG	270 DAILY MX	LBS/DY	*****	*****	*****	*****	ONCE/MONTH	COMPOS	
OIL & GREASE 00556 T 0 0 SEE COMMENTS BELOW	*****	0	( 26 )	*****	*****	0	( 17 )	0	01/07	GR	
	PERMIT REQUIREMENT	*****	135 DAILY MX	LBS/DY	*****	*****	15 DAILY MX	MG/L	WEEKLY	GRAB	
POLYCHLORINATED BIPHENYLS (PCBS) 09516 T 0 0 SEE COMMENTS BELOW	0.0003	0.0007	( 26 )	*****	*****	*****	*****	0	01/07	CP	
	PERMIT REQUIREMENT	0.01 MO AVG	0.03 DAILY MX	LBS/DY	*****	*****	*****	*****	WEEKLY	COMPOS	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 T 0 0 SEE COMMENTS BELOW	0.268	0.706	( 03 )	*****	*****	*****	*****	0	09/99	RC	
	PERMIT REQUIREMENT	2.09 MO AVG	2.09 DAILY MX	MGD	*****	*****	*****	*****	CONTINUOUS	RECORD	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			AREA CODE	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED			413	448-5902	2005	11	17

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 SEE PAGE 8 + 9 OF PERMIT FOR SAMPLING REQUIREMENTS. SEE DMR(S) 0640 + 064T FOR FURTHER PARAMETERS.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME GENERAL ELECTRIC CORPORATION

ADDRESS ATTN: JEFFREY G. RUEBESAM

100 WOODLAWN AVENUE

PITTSFIELD

MA 01201

FACILITY GENERAL ELECTRIC COMPANY

LOCATION PITTSFIELD

MA 01201

ATTN: MICHAEL T CARROLL, EHS&F

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

MA0003891  
PERMIT NUMBER

064 G  
DISCHARGE NUMBER

MAJOR  
(SUBR W)  
F - FINAL

GROUNDWATER TREATMENT (005)

Form Approved.  
OMB No. 2040-0004

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
05	10	01		05	10	31

\*\*\* NO DISCHARGE 1 1 \*\*\*

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FH 00400 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		7.2	*****	7.4	( 12 )	0	99/99	RCDR
	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0	SU		WEEKLY	RANG-C
BASE NEUTRALS & ACID (METHOD 625), TOTAL 76030 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		*****	NODI [9]	NODI [9]	( 19 )			
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L		STRLY	GRAB
VOLATILE COMPOUNDS, (GC/MS) 79732 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		*****	NODI [9]	NODI [9]	( 19 )			
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT	REPORT	MG/L		STRLY	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.				TELEPHONE		DATE			
Michael T. Carroll Mgr. Pittsfield Remediation Prog.						413 448-5902		2005	11	17	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				AREA CODE NUMBER		YEAR MO DAY			

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
SEE COMMENTS FOR 0051. SEE PAGE 8 + 9 OF PERMIT.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location (if different))

NAME GENERAL ELECTRIC CORPORATION

ADDRESS ATTN: JEFFREY G. RUEBESAM

100 WOODLAWN AVENUE

PITTSFIELD

MA 01201

FACILITY GENERAL ELECTRIC COMPANY

LOCATION PITTSFIELD

MA 01201

ATTN: MICHAEL T CARROLL, EHS&F

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

MA0003891

PERMIT NUMBER

064 T

DISCHARGE NUMBER

MAJOR

(SUBR W)

F - FINAL

WASTEWATER TREATMENT (005)

Form Approved.  
OMB No. 2040-0004

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
05	10	01		05	10	31

\*\*\* NO DISCHARGE 1 \*\*\*

NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH		*****	*****		6.8	*****	8.0	( 12 )	0	99/99	RCDR
00400 T 0 0 SEE COMMENTS BELOW		*****	*****	****	6.0	*****	9.0	SU		WEEKLY	LANG-C
DIBENZOFURAN		*****	*****		*****	NODI [6]	NODI [6]	( 22 )			
B1302 T 0 0 SEE COMMENTS BELOW		*****	*****	****	*****	REPORT MO AVG	REPORT DAILY MX	PPT		ONCE/MONTH	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
Michael T. Carroll  
Mgr. Pittsfield Remediation Prog.  
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  
*M. T. Carroll*

TELEPHONE 413 448-5902  
DATE 2005 11 17  
AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
SEE COMMENTS FOR 0051. SEE PAGE 8 + 9 OF PERMIT.

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location (if Different))

NAME GENERAL ELECTRIC CORPORATION  
 ADDRESS ATTN: JEFFREY G. RUEBESAM  
 100 WOODLAWN AVENUE  
 PITTSFIELD MA 01201  
 FACILITY GENERAL ELECTRIC COMPANY  
 LOCATION PITTSFIELD MA 01201  
 ATTN: MICHAEL T CARROLL, EHS&F

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

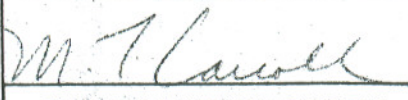
MA0003891 PERMIT NUMBER  
 0071 DISCHARGE NUMBER

MAJOR (SUBR W)  
 F - FINAL  
 DISCHARGE TO HOUSATONIC RIVER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
05	10	01	TO	05	10	31

\*\*\* NO DISCHARGE  \*\*\*  
 NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 W O O SEE COMMENTS BELOW PH		*****	*****		*****			( 15 )			
		*****	*****	****	*****	70 MO AVG	75 DAILY MX	DEG. F		ONCE / GRAB MONTH	
00400 W O O SEE COMMENTS BELOW		*****	*****	****	5.0 MINIMUM	*****	9.0 MAXIMUM	SV		WEEKLY RANG-	
POLYCHLORINATED BIPHENYLS (PCBS) 39516 W O O SEE COMMENTS BELOW		*****	*****	****	*****	REPORT MO AVG	REPORT DAILY MX	PPB		OTRLY GRAB	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 W O O SEE COMMENTS BELOW				( 03 )	*****	*****	*****				
		REPORT	REPORT		*****	*****	*****	****		ONCE / CALCT MONTH	
		MO AVG	DAILY MX	MGD				****			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Michael T. Carroll Mgr. Pittsfield Remediation Prog.  TYPED OR PRINTED	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE			
			413 448-5902	2005	11	17	
			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 SAMPLE AT MANHOLE PRIOR TO CITY STORM DRAIN.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location (if different))  
 NAME GENERAL ELECTRIC CORPORATION  
 ADDRESS ATTN: JEFFREY G. RUEBESAM  
 100 WOODLAWN AVENUE  
 PITTSFIELD MA 01201  
 FACILITY GENERAL ELECTRIC COMPANY  
 LOCATION PITTSFIELD MA 01201  
 ATTN: MICHAEL T CARROLL, EHS&F

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)


Form Approved.  
 OMB No. 2040-0004

MA0003891	009 1				
PERMIT NUMBER	DISCHARGE NUMBER				
MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM 05	10	01	TO 05	10	31

MAJOR (SUBR W)  
 F - FINAL  
 PROCESSES TO UNKAMET BROOK

\*\*\* NO DISCHARGE 1 \*\*\*  
 NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 V 0 0 SEE COMMENTS BELOW	0.2	0.8	( 26 ) LBS/DY	*****	*****	*****	*****	0	01/DW	CP	
	PERMIT REQUIREMENT	106 MD AVG	438 DAILY MX	LBS/DY	*****	*****	*****	****	WEEKLY	COMPOS	
PH 00400 V 0 0 SEE COMMENTS BELOW	*****	*****	( 12 ) SU	6.5	*****	7.7	*****	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	7.0 MAXIMUM	SU	WEEKLY	RANG-C	
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	10.0	26.9	( 26 ) LBS/DY	*****	*****	*****	*****	0	01/07	CP	
	PERMIT REQUIREMENT	213 MD AVG	876 DAILY MX	LBS/DY	*****	*****	*****	****	WEEKLY	COMPOS	
OIL & GREASE 00558 V 0 0 SEE COMMENTS BELOW	*****	0	( 19 ) LBS/DY	*****	*****	0	*****	0	01/07	GR	
	PERMIT REQUIREMENT	*****	438 DAILY MX	LBS/DY	*****	*****	15 DAILY MX	MG/L	WEEKLY	GRAB	
POLYCHLORINATED BIPHENYLS (PCBS) 09516 V 0 0 SEE COMMENTS BELOW	*****	*****	( 19 ) MG/L	*****	NODI [9]	NODI [9]	*****	0	01/07	GR	
	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT MD AVG	REPORT DAILY MX	MG/L	WEEKLY	GRAB	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V 0 0 SEE COMMENTS BELOW	0.057	0.718	( 03 ) MGD	*****	*****	*****	*****	0	99/99	RC	
	PERMIT REQUIREMENT	REPORT MD AVG	REPORT DAILY MX	MGD	*****	*****	*****	****	CONTIN	RECORD	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE		DATE		
		413 448-5902	2005	11	17	
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 SEE PAGE 11 OF PERMIT. SEE DMRS 009A + 009B. REPORT SUM OF LOAD 09A + 09B, FOR BOD, TSS, FLOW. SAMPLE AT DISCHARGE POINT TO BROOK FOR PH, OIL & GREASE, AND PCB.

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location (if Diferent))  
 NAME GENERAL ELECTRIC CORPORATION  
 ADDRESS ATTN: JEFFREY G. RUEBESAM  
 100 WOODLAWN AVENUE  
 PITTSFIELD MA 01201  
 FACILITY GENERAL ELECTRIC COMPANY  
 LOCATION PITTSFIELD MA 01201  
 ATTN: MICHAEL T CARROLL, EHS&F

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

Form Approved.  
 OMB No. 2040-0004

MA0003891  
 PERMIT NUMBER

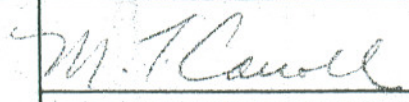
009 A  
 DISCHARGE NUMBER

MAJOR (SUBR W)  
 F - FINAL  
 09A SAMPLE POINT BEFORE 009

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
05	10	01	05	10	31

\*\*\* NO DISCHARGE  \*\*\*  
 NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT			( 26 )	*****	*****	*****				
	PERMIT REQUIREMENT	106 MD AVG	438 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPO
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT			( 26 )	*****	*****	*****				
	PERMIT REQUIREMENT	213 MD AVG	876 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPO
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT			( 03 )	*****	*****	*****				
	PERMIT REQUIREMENT	REPORT MD AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTINUOUS	CORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Michael T. Carroll Mgr. Pittsfield Remediation Prog. TYPED OR PRINTED	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE			
			413 448-5902	2005	11	17	
			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 SEE PAGE 11 OF PERMIT. SEE DMR 0091. SAMPLE AT 09A.



PERMITTEE NAME/ADDRESS (Include Facility Name/ Location (if different))

NAME GENERAL ELECTRIC CORPORATION  
 ADDRESS ATTN: JEFFREY G. RUEBESAM  
 100 WOODLAWN AVENUE  
 PITTSFIELD MA 01201  
 FACILITY GENERAL ELECTRIC COMPANY  
 LOCATION PITTSFIELD MA 01201  
 ATTN: MICHAEL T CARROLL, EHS&F

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

Form Approved.  
 OMB No. 2040-0004

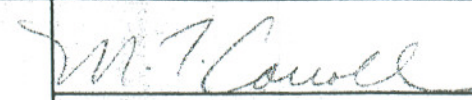
MA0003891 PERMIT NUMBER  
 009-B DISCHARGE NUMBER

MAJOR (SUBRW)  
 F - FINAL  
 09B SAMPLE POINT PRIOR TO 009

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
05	10	01		05	10	31

\*\*\* NO DISCHARGE !!! \*\*\*  
 NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT 0.2	0.8	( 26 )	*****	*****	*****		0	01/DW	CP	
	PERMIT REQUIREMENT 1.06 MO AVG	438 DAILY MX	LBS/DY	*****	*****	*****	*****		WEEKLY	COMPOS	
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT 10.0	26.9	( 26 )	*****	*****	*****		0	01/07	CP	
	PERMIT REQUIREMENT 213 MO AVG	876 DAILY MX	LBS/DY	*****	*****	*****	*****		WEEKLY	COMPOS	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT 0.057	0.718	( 03 )	*****	*****	*****		0	99/99	RC	
	PERMIT REQUIREMENT REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****	*****	*****		CONTIN	RECORDS	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE			
			413 448-5902	2005	11	17	
TYPED OR PRINTED			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 SEE PAGE 11 OF PERMIT. SEE DMR 0091; SAMPLE AT 09B.

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location if Different)  
 NAME GENERAL ELECTRIC CORPORATION  
 ADDRESS ATTN: JEFFREY G. RUEBESAM  
 100 WOODLAWN AVENUE  
 PITTSFIELD MA 01201  
 FACILITY GENERAL ELECTRIC COMPANY  
 LOCATION PITTSFIELD MA 01201  
 ATTN: MICHAEL T. CARROLL, EHS&F

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

Form Approved.  
 OMB No. 2040-0004

MA0003891  
 PERMIT NUMBER

SUM A  
 DISCHARGE NUMBER

MAJOR (SUBR W)  
 F - FINAL  
 METALS: 001, 004, 005, 007, 009, 011

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
05	10	01	05	10	31

\*\*\* NO DISCHARGE 1 \*\*\*  
 NOTE: Read instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	*****	0	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****	0	01/30	CP
NICKEL TOTAL RECOVERABLE 01074 1 0 0 EFFLUENT GROSS VALUE	*****	0	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****	0	01/30	CP
SILVER TOTAL RECOVERABLE 01079 1 0 0 EFFLUENT GROSS VALUE	*****	0	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****	0	01/30	CP
ZINC TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALUE	*****	0.3	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****	0	01/07	CP
ALUMINUM, TOTAL (AS AL) 01105 1 0 0 EFFLUENT GROSS VALUE	*****	0	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****	0	01/30	CP
CADMIUM TOTAL RECOVERABLE 01113 1 0 0 EFFLUENT GROSS VALUE	*****	0	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****	0	01/30	CP
LEAD TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALUE	*****	0.08	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****	0	01/07	CP

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Michael T. Carroll Mgr. Pittsfield Remediation Prog.  TYPED OR PRINTED	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  <i>M. T. Carroll</i>	TELEPHONE		DATE		
			AREA CODE	NUMBER	YEAR	MO	DAY
			413	448-5902	2005	11	17

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
 COMPOSITE PROPORTIONATE TO FLOW.

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

Form Approved.  
OMB No. 2040-0004

NAME GENERAL ELECTRIC CORPORATION  
ADDRESS ATTN: JEFFREY G. RUEBESAM  
100 WOODLAWN AVENUE  
PITTSFIELD MA 01201  
FACILITY GENERAL ELECTRIC COMPANY  
LOCATION PITTSFIELD MA 01201  
ATTN: MICHAEL T CARROLL, EHS&F

MA0003891  
PERMIT NUMBER

SUM A  
DISCHARGE NUMBER

MAJOR (SUB: W )  
F - FINAL  
METALS: 001, 004, 005, 007, 009, 011

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
05	10	01		05	10	31

\*\*\* NO DISCHARGE 1 1 \*\*\*  
NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
CHROMIUM TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0	( 26 )	*****	*****	*****		0	01/30	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****		ONCE/ MONTH	COMPOS
COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0.14	( 26 )	*****	*****	*****		0	01/07	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****		WEEKLY	COMPOS
CYANIDE, TOTAL RECOVERABLE 78248 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0.23	( 26 )	*****	*****	*****		0	01/30	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
Michael T. Carroll  
Mgr. Pittsfield Remediation Prog.  
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

*M. T. Carroll*  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 413 448-5902  
DATE 2005 11 17  
AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
COMPOSITE PROPORTIONATE TO FLOW.

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location (if different))

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

Form Approved.  
OMB No. 2040-0004

NAME GENERAL ELECTRIC CORPORATION

ADDRESS ATTN: JEFFREY G. RUEBESAM  
100 WOODLAWN AVENUE

MA0003291  
PERMIT NUMBER

SUM 8  
DISCHARGE NUMBER

MAJOR  
(SUBR W)  
F - FINAL

PITTSFIELD MA 01201

FACILITY GENERAL ELECTRIC COMPANY

LOCATION PITTSFIELD MA 01201

ATTN: MICHAEL T CARROLL, EHS&F

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
05	10	01		05	10	31

TOXICS: 001, 004, 005, 007, 009, 011

\*\*\* NO DISCHARGE 1 \*\*\*  
NOTE: Read instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
NOAEL STATE 49HR AC U D PULEX TDM3D 1 0 0 EFFLUENT GROSS VALUE		*****	*****		100	*****	*****	( 20 )	0	01/30	CP
		*****	*****	****	35	*****	*****	% PER--		ONCE/	COMPOD
				****	DAILY MN			CENT		MONTH	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	TELEPHONE  413 448-5902	DATE			
			YEAR	MO	DAY	
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  <i>M. T. Carroll</i>	AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
MONTHLY DRY WEATHER TESTING. COMPOSITE PROPORTIONATE TO FLOW. FOR JULY, AUG., SEPT. REPORT ACUTE AND CHRONIC. SEE DMR SUMC FOR QUARTERLY WET WEATHER ACUTE. SUBMIT THIS DMR WITH A NODI '9' WHEN SUBMITTING WET WEATHER RESULTS ON DMR SUMC.

***Attachment C***

---

***BBL-GE – Pittsfield Monthly  
NPDES/Toxicity - November 2005***

December 9, 2005

Mr. Jeffrey Nicholson  
GE Corporate Environmental Programs  
159 Plastics Avenue  
Pittsfield, MA 01201

Re: NPDES Biomonitoring Report for November 2005  
Submission #: R2528006

Dear Mr. Nicholson:

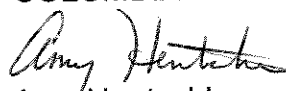
Enclosed is our report on the Whole Effluent Toxicity testing conducted in November 2005. The Outfall Composite samples were collected on 11/7/05 at 11:00 am. The Housatonic River samples were collected on 11/7/05 at 8:30 am. The Outfall Composite and Housatonic River samples were analyzed at Columbia Analytical Services for total cyanide, ammonia, total organic carbon, total phosphorus, chloride, total solids, total suspended solids, and total metals. Dissolved metals were analyzed for only on the Outfall Composite samples. Results are presented in Appendix 2. The Outfall Composite and Housatonic River samples were sent directly by General Electric to Aquatec Biological Services for the acute aquatic toxicity testing including the analysis of alkalinity, hardness, specific conductance, pH, total residual chlorine. Results are presented in Appendix 1.

Should you have any questions please contact me at (585)288-5380 x130.

Thank you for allowing us to provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES



Amy Hentschke  
Project Manager

enc.

# **NPDES BIOMONITORING REPORT**

**GENERAL ELECTRIC COMPANY**

**Pittsfield, MA**

**NPDES PERMIT MA 0003891**

**Monthly Acute Toxicity Monitoring**

**Dry Weather Conditions**

**November 2005**

## **WHOLE EFFLUENT TOXICITY TEST REPORT CERTIFICATION**

I certify under penalty of law that this document and all ATTACHMENTS were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Executed on

\_\_\_\_\_ (Date)

\_\_\_\_\_ (Authorized Signature)

Michael T. Carroll

General Electric Co. – Pittsfield, MA  
Permit MA0003891

**Prepared by: A. Hentschke**  
**November 29, 2005**

## TABLE OF CONTENTS

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I. Summary	1
II. Review of Toxicity Analytical Results	2
III. Review of Wastewater Sampling Procedures	3
IV. Review of Individual Discharges	5

### Table I – Summary of Analytical Test Results

#### Appendices:

1. Chemical and Acute Toxicity Data from Aquatec Biological Sciences
2. Laboratory Reports from Columbia Analytical Services, Inc. and O'Brien & Gere, Inc.
3. Chain of Custody Forms



## I. Summary

On November 6-7, 2005 sampling of wastewater discharges from the General Electric Company facility in Pittsfield MA was conducted in accordance with the dry weather toxicity testing requirement of the GE NPDES Permit MA0003891. Composite samples were collected from GE outfalls 001, 005-64G, and 005-64T over a 24-hour period. These composite samples were combined in a flow-proportioned manner to generate a single wastewater sample that was shipped to Aquatec Biological Sciences in Williston, Vermont. A grab sample of Housatonic River water, to be used as dilution water in the toxicity test, was collected upstream of the GE discharges on November 7, 2005 and shipped to AquaTec along with the wastewater composite. AquaTec dechlorinated the composite sample prior to the acute toxicity test following the toxicity reduction procedures summarized in a letter dated November 11, 1993 to EPA Region I from JG Ruebesam of General Electric Company. The composite wastewater sample and the dilution water sample were tested for chemical constituents by Aquatec Biological Sciences and Columbia Analytical Services. The analytical results are summarized in Table I and the detailed laboratory test data are include as Appendices to this report. As a result of land transfer documents executed on April 27, 2005 and recorded in the Berkshire County Registry of Deeds on May 2, 2005, Outfalls 001 and 004 were transferred to the Pittsfield Economic Development Authority (PEDA). Outfalls 001 and 004 DMRs will no longer be submitted under the GE NPDES Permit No. MA0003891. However, GE's NPDES Permit requires that the metal and toxicity composites to be made by compositing samples from the following outfalls: 001, 004, 005, 007, and 009. These two composites will continue to include an aliquot of water from outfall 001 and outfall 004, and will be reported on GE's DMR until further actions by the Agencies.

The result from Aquatec Biological Sciences for the acute toxicity test on the wastewater discharge sample indicated a No Observed Acute Effect Level (NOAEL) of 100%.

## II. Review of Toxicity Test Results

The wastewater discharge sample collected on November 6 -7, 2005 was tested for 48-hour acute toxicity using *Daphnia pulex* organisms. The sample did not require dechlorination with sodium thiosulfate ( $\text{Na}_2\text{S}_2\text{O}_3$ ) prior to toxicity testing. Aquatec Biological Sciences reported the results of this toxicity testing as follows:

Effluent toxicity as NOAEL =	100%
Effluent toxicity as $\text{LC}_{50}$ =	>100%

This result is in compliance with the toxicity limit of 35% minimum for dry weather NOAEL established in the GE NPDES permit.

The following table summarizes the results of the control sample analyses performed by SGS during the acute toxicity bioassay:

<u>Control Analysis</u>	<u>Result</u>
Survival in 100% dilution water	100%
Survival in laboratory water	100%
Survival in laboratory water with 100 mg/L sodium thiosulfate	100%
$\text{LC}_{50}$ for <i>Daphnia pulex</i> in sodium chloride reference toxicant solution	2527 mg NaCl/L November 8

The *Daphnia* survival rates in control solutions of upstream dilution water, laboratory water and reference toxicant solution were within acceptable limits, indicating that the results of the toxicity test are valid. The survival rate of greater than 90% for the *Daphnia* in laboratory control water sample indicates that the *Daphnia* were not stressed prior to the toxicity test.

### III. Review of Wastewater Sampling Procedures

Composite samples of the individual NPDES wastewater discharges were collected over a 24-hour period. These samples were composited in a flow-weighted manner to generate a single combined discharge sample for toxicity testing and chemical analysis.

The 24-hour composite samples from the individual discharges were collected as follows:

Each automatic sampler (at outfall 001, 64T, 64G, and 09B) was programmed to collect approximately 7 liters of wastewater into a 10-liter glass container in a time-proportioned manner over a 24-hour period. Outfalls 004, 007, and 09A have been plugged and no longer flow.

All sample containers were packed in ice or refrigerated to keep the wastewater samples cold during the 24-hour collection period.

Flow meter readings were taken at the beginning and end of the 24-hour collection period to determine the total 24-hour flow for each wastewater discharge.

At the end of the 24-hour collection period, the discharge samples were taken to Building 64G where OB&G personnel composited these samples, in a flow weighted manner, to generate a single combined sample for the acute toxicity test and the chemical analyses, as follows:

The proportions of each individual discharge sample needed to produce a single combined sample were calculated from the flow measurements. The calculated sample volumes were then transferred from their original collection containers to a 2.5 or 5 gallon mixing container. The combined discharge sample was then split into various containers for toxicity testing and chemical analyses. These containers were shipped by vendor courier to AquaTec for toxicity testing and by FedEx (overnight) to Columbia Analytical Services for chemical analyses. All samples were chilled with ice packs during shipment.

A grab sample of Housatonic River water was collected on the second day of sampling at the Lyman Road Bridge in Hinsdale, MA, upstream of the GE site. This sample was split for chemical analysis and toxicity testing in a similar manner as the combined effluent sample (see above).

Details of the times and dates of sample collection as well as the names of the individuals collecting and transporting the samples are provided on the chain of custody forms in Appendix 3 of this report.

#### IV. Review of Individual NPDES Discharges

The following is a brief description of each of the seven outfalls that are monitored for acute and chronic toxicity in accordance with NPDES Permit MA0003891 issued to the General Electric Company, Pittsfield, MA.

1. Outfall 001 is permitted to discharge storm water runoff from the oil/water separator in Building 31W to Silver Lake.
2. Outfall 004 is permitted to discharge storm water runoff to Silver Lake. (**Outfall plugged**)
3. Outfall 005 is permitted to discharge contact cooling water, non-contact cooling water, treated process water and storm water runoff from the Wastewater Treatment Plant in Building 64T, and treated groundwater from the Groundwater Treatment Plant in Building 64G to the Housatonic River. Monitoring samples are collected separately from the effluents of 64G and 64T. Both samples are included in the flow composite sample used for toxicity testing.
4. Outfall 007 is permitted to discharge stormwater runoff to the Housatonic River. (**Outfall plugged**)
5. Outfall 09A is permitted to discharge non-contact cooling water and stormwater runoff to Unkamet Brook. (**Outfall plugged**)
6. Outfall 09B is permitted to discharge non-contact cooling water, treated process water and stormwater runoff from the oil/water separator in Building 119W to Unkamet Brook.

Table I – Summary of Analytical results for

NPDES Outfall Composite Sample and Housatonic River Dilution Water  
November 6-7, 2005

Aquatic Toxicity Results: No Observed Effect Level (NOAEL) = 100%  
LC50 = >100%

Chemical Analyses: (all results are mg/L unless otherwise indicated)

Parameter Tested	Laboratory	Effluent Composite	Housatonic River
Total Organic Carbon	CAS	10.1	5.34
Total Phosphorus	CAS	0.0579	ND (0.05)
Total Solids	CAS	615	88.0
TSS	CAS	5.29	ND (1.00)
Chloride	CAS	178	11.7
Hardness	Aquatec	302.0	56.0
Total Alkalinity	Aquatec	284.0	48.0
Spec. Conductance (umhos)	Aquatec	1151	164
Ammonia	CAS	0.367	ND (0.05)
pH (SU)	Aquatec	7.9	7.2
TRC (start of toxicity test)			
Std Method 4500-Cl G	Aquatec	NA	NA
Amperometric Titration	Aquatec	ND	ND
Cyanide	CAS	0.0305	ND (0.01)
Copper, total	CAS	ND (0.02)	ND (0.02)
Copper, dissolved	CAS	ND (0.02)	
Lead, total	CAS	ND (0.05)	ND (0.05)
Lead, dissolved	CAS	ND (0.05)	
Zinc, total	CAS	0.0301	ND (0.02)
Zinc, dissolved	CAS	0.0296	
Cadmium, total	CAS	ND (0.005)	ND (0.005)
Cadmium, dissolved	CAS	ND (0.005)	
Chromium, total	CAS	ND (0.01)	ND (0.01)
Chromium, dissolved	CAS	ND (0.01)	
Nickel, total	CAS	ND (0.04)	ND (0.04)
Nickel, dissolved	CAS	ND (0.04)	
Silver, total	CAS	ND (0.01)	ND (0.01)
Silver, dissolved	CAS	ND (0.01)	
Aluminum, total	CAS	ND (0.10)	ND (0.10)
Aluminum, dissolved	CAS	ND (0.10)	
pH (SU)	OB&G	7.86	7.66
Hardness	Aquatec	302.0	56.0

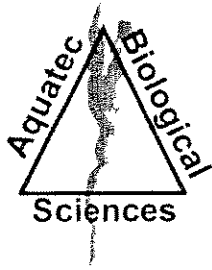
ND – Not detected, Number in parentheses is detection limit. All results are mg/L unless indicated.

NA – Not analyzed

**APPENDIX 1**

Chemical and Acute Toxicity Data

Aquatec Biological Sciences



# Aquatec Biological Sciences



Ecology



Environmental  
Toxicology



Natural Resource  
Assessments



Microbiology

December 5, 2005 (revised)

Ms. Amy Hentschke  
Columbia Analytical Services,  
1 Mustard Street – Suite 250  
Rochester, NY 14609

Dear Ms. Hentschke:

Enclosed please find one bound and one unbound copies of our report of the results for whole effluent toxicity testing of samples received from GE Pittsfield, Massachusetts on November 7, 2005 (previously sent).

According to the Chain-of-Custody documentation the samples for Whole Effluent Toxicity (WET) Testing were collected on November 7, 2005. The samples were delivered to Aquatec Biological Sciences, Inc. by courier service and delivered on the same day. The effluent sample (Sample 31005) was logged in for the acute 48-hour static toxicity test with *Daphnia pulex*. The receiving water sample (Sample 31006) was logged in for dilution water. A subsample of each sample was checked for residual chlorine (not detected) and for alkalinity and hardness measurements at Aquatec Biological Sciences, Inc. The toxicity test was started on November 8, 2005, within the specified holding time.

Since total residual chlorine is a time-critical analysis, we recommend that this analysis be done at the time of collection and reported to Aquatec Biological Sciences, Inc. on the Chain-of-Custody documentation accompanying the samples.

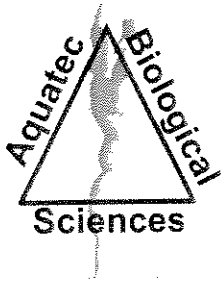
At the conclusion of the toxicity test on November 10, 2005, a final count of surviving organisms was completed. The average survival ranged from 96 percent to 100 percent in all test concentrations. Acute toxicity (*Daphnia pulex*) was not detected, and the 48-hour LC50 reported as >100% effluent.

If you have any questions regarding the report, please call Dr. Philip C. Downey or me.

Sincerely,

  
John Williams  
Manager, Environmental Toxicology





# Aquatec Biological Sciences



Ecology



Environmental Toxicology



Natural Resource Assessments



Microbiology

## Toxicity Summary Report

General Electric Company  
100 Woodlawn Avenue  
  
Pittsfield, MA 01201

Date: 11/28/2005  
Project: 05069  
SDG: 9181  
Permit: MA0003891

Sample Name: Outfall Composite

Sample ID: 31005

Method	Species	ACUTE		CHRONIC	
		A-NOEC	A-LC50	C-NOEC	C-LOEC
A48DPS	<i>Daphnia pulex</i>	100	>100		

### Samples Received

Number	Sample Name	Date Time and Collected	Type
031005	Outfall Composite	11/7/2005 11:00:00 AM	Effluent
031006	Housatonic River	11/7/2005 8:30:00 AM	Receiving

## Toxicity Detail Report

General Electric Company  
100 Woodlawn Avenue  
Pittsfield, MA 01201

Date: 11/28/2005  
Project: 05069  
SDG: 9181  
Permit: MA0003891

Sample ID: 31005

Method: A48DPS *Daphnia pulex*

Response: Survival (%)

Day	%						
	0	5	15	35	50	75	100
2	100	96	100	100	100	100	96

## Toxicity Quality Assurance Report

---

General Electric Company  
100 Woodlawn Avenue  
Pittsfield, MA 01201

Date: 11/28/2005  
Project: 05069  
SDG: 9181  
Permit: MA0003891

---

Method: A48DPS

*Daphnia pulex*

---

Response: Survival (%)

Day	Sample ID	Dilution Control	Additional Control
2	31005	100	100

### Special Conditions and Qualifiers

Although residual chlorine was not detected in the effluent sample, a sodium thiosulfate control (an additional control) was included in the test array.

# Toxicity Quality Assurance Report

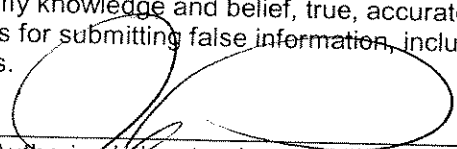
General Electric Company  
100 Woodlawn Avenue  
Pittsfield, MA 01201

Date: 11/28/2005  
Project: 05069  
SDG: 9181  
Permit: MA0003891

## WHOLE EFFLUENT TOXICITY TEST REPORT CERTIFICATION

I certify under penalty of law that this document and all ATTACHMENTS were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Executed on: 11/28/05  
(Date)

  
(Authorized Signature)

John Williams  
(Typed name and title)

Aquatec Biological Sciences, Inc.  
(Name of Laboratory)

**TOXICITY TEST SUMMARY SHEET**

Facility Name: Outfall Composite Test Start Date 11/8/2005

NPDES Permit Number: MA0003891 Pipe Number: 001

Test Type	Test Species	Sample Type	Sampling Method
Acute	Daphnia pulex	Effluent	Composite

Dilution Water: Housatonic River

Receiving Water: Housatonic River

Effluent Sampling Dates: 11/7/05

Concentrations Tested: 0 5 15 35 50 75 100 Control Permit Limit: NA

Was Effluent Salinity Adjusted? NA If yes, to what value?

With Sea Salts? Hypersaline Brine Solution?

Actual effluent concentrations tested after salinity adjustment in percent: Same as above

Reference Toxicant Date: 11/8/05

**PERMIT LIMITS and TEST RESULTS**

Test Acceptability Criteria

Mean Control Survival: 100 (%)

	Limits (%)		Results (%)
LC50	NA	48-Hour LC50	>100
		Upper Value	
		Lower Value	
		Data Analysis Method	Visual
A-NOEC		48-Hour A-NOEC	100
C-NOEC		C-NOEC	
		LOEC	
IC25		IC25	
IC50		IC50	

---

## Chain-Of-Custody

# Aquatec Biological Sciences

## Chain-of-Custody Record

273 Commerce Street  
 Williston, VT 05495  
 TEL: (802) 860-1638  
 FAX: (802) 658-3189

COMPANY INFORMATION		COMPANY'S PROJECT INFORMATION				SHIPPING INFORMATION		VOLUME/CONTAINER TYPE/ PRESERVATIVE									
Name: General Electric Company Address: O'Brien & Gere 1000 East Street, Gate 64 City/State/Zip: Pittsfield, MA 01201 Telephone: (413) 494-6209 Facsimile: _____ Contact Name: Mark Wasniewsky		Project Name: ALCOA NPDES <b>Outfall Composite</b> Project Number: 05069 Sampler Name(s): <i>Mark Wasniewsky</i> Quote #: 10/05 Client Code: COLUMB		Carrier: _____ Airbill Number: _____ Date Shipped: <i>11-7-05</i> Hand Delivered: <input type="checkbox"/> Yes <input type="checkbox"/> No		4°C	4°C	4°C	4°C	4°C	4°C	4°C					
						Plastic	Plastic	Plastic	Glass	Amber Glass	Plastic						
						1 gal	1/2 gal	1 L	40 ml	250 ml	0.5 L						
SAMPLE IDENTIFICATION	COLLECTION		GRAB	COMPOSITE	MATRIX	ANALYSIS (detection limits, mg/L)		NUMBER OF CONTAINERS									
	DATE	TIME				DATE	TIME	1	2	3	4	5	6				
Outfall Composite <i>A6904C</i>	11-7-05	11:00 AM	✓	✓	Effluent		<i>Daphnia pulex</i> 48-h Static Acute Toxicity (EPA Method 2021.0). Log in for A48DPS	1									
Housatonic River <i>A6903R</i>	11-7-05	8:30 AM	✓		Receiving		Dilution Water	1									
Relinquished by: (signature) <i>Mark Wasniewsky</i>		DATE	TIME	Received by: (signature) <i>David Olney</i>	<b>NOTES TO SAMPLER(S):</b> (1): Complete the labels (Date, time, initials) and cover the labels with clear tape. Tape the caps of the sample bottles to ensure that they do not become dislodged during shipment. Nest the samples in sufficient ice to maintain 0°C - 6°C. Results for samples received at temperatures exceeding 6°C will be qualified in the report.  Notes to Lab: Ambient cooler temperature: $-0.8^\circ\text{C}$ . Dechlorinate the effluent sample if chlorine is detected. Subsample for TRC analysis to STL.							DATE	TIME	Received by: (signature) <i>Kate...</i>			
Relinquished by: (signature)		11-7-05	14:00									DATE	TIME	Received by: (signature)			
Relinquished by: (signature)		11/7/05	18:00									DATE	TIME	Received by: (signature)			

---

## Toxicity Test Methods



Client: GENERAL ELECTRIC, PITTSFIELD, MA, MA0003891

SDG: 9181

**Test Description: Daphnid, *Daphnia pulex*, acute toxicity test**

ASSOCIATED PROTOCOL: EPA 2002, 5<sup>th</sup> ed. (EPA-821-R-02-012) *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, Method 2002.0*

1. Test type:	Static, non-renewal
2. Test temperature:	20 ± 1°C
3. Light quality:	Ambient laboratory illumination
4. Photoperiod:	16 hr. light, 8 hr. dark
5. Test chamber size:	30 ml
6. Test solution volume:	15-20 ml / replicate
7. Renewal of test concentrations:	None
8. Age of test organisms:	Less than 24 h
9. No. organisms / test chamber:	5
10. No. of replicate chambers / concentration:	5
11. No. of organisms / concentration:	20
12. Feeding regime:	Feed 0.1 ml of YTC and algal suspension prior to testing. Not fed during test.
13. Cleaning:	None
14. Aeration:	None
15. Dilution water:	Receiving Water (Housatonic River)
16. Test concentrations:	5, 15, 35, 50, 75, 100%
17. Laboratory control:	1:1 mix of reconstituted moderately hard water and Lamoille River water. Dechlorination control.
18. Test duration:	48 h
19. Monitoring:	Day 0: temperature, DO, pH, and conductivity. Day 1: temperature, DO, pH, and conductivity. Day 2: temperature, DO, pH Hardness, alkalinity, salinity, TRC Biological monitoring daily (survival)
19. End points:	Survival
20. Reference toxicant test:	Sodium chloride 48-h LC50
21. Test acceptability	90% or greater
22. Data interpretation:	Acute: 48 h LC50 (Point estimate by EPA statistical flowchart using TOXIS 2) and A-NOEC by hypothesis test statistics compared to the receiving water control (EPA statistical flowchart using TOXIS 2)

---

## Daphnid, *Daphnia pulex*, 48 H Static Acute Test

=====

Aquatec Biological Sciences, Inc.

=====

Test Date: 11/08/05  
 Sample Date: 11/07/05  
 Species: Daphnia pulex  
 Test Type: Acute - 48 hours

Test Number: 46223  
 Test Material: Effluent - Industrial %  
 Source: MA0003891  
 General Electric Company  
 Pittsfield, MA

=====

SUMMARY

=====

End Point	Day	Transformation	Conc	#Reps	Mean	StDev	% Surv
Proportion Alive	2	Arc sine sqrt w/ adj.					
				0.000 B	5	1.35	0.000
			X	0.000 D	5	1.35	0.000
			X	5.000 D	5	1.30	.106
			X	15.000 D	5	1.35	0.000
			X	35.000 D	5	1.35	0.000
			X	50.000 D	5	1.35	0.000
			X	75.000 D	5	1.35	0.000
			X	100.000 D	5	1.30	.106
Proportion Alive	2	No transformation					
				0.000 B	5	1.00	0.000
				0.000 D	5	1.00	0.000
				5.000 D	5	.96	.089
				15.000 D	5	1.00	0.000
				35.000 D	5	1.00	0.000
				50.000 D	5	1.00	0.000
				75.000 D	5	1.00	0.000
			X	100.000 D	5	.96	.089

X = indicates concentrations used in calculations

=====

- HYPOTHESIS TEST -

=====

End Point	Day	Transformation/Analysis	NOEC	LOEC	TU	MSE	MSD
Proportion Alive	2	Arc sine sqrt w/ adj.					
		Steel many-one rank test	>100.000	>100.000	< 1.00	.003	.094

=====

- PROPORTION POINT ESTIMATE -

=====

End Point	Day	Method	P	Conc	95% CI	TU
Proportion Alive	2	Probit				
			EC 50		<del>0.000</del> >100	-

*Jim*

Water Flea

Lab	Species	Test Date	Test Material	Permit	Protocol	Test Number
ABS	DP	11/08/5	EFF2 (%)	MA0003891	EPAA 91	46223

Statistics Parameters

PROPORTION

End Point:	PA Proportion Alive	
Analysis:	EPA Flowchart (Chronic and Acute)	1 control
Transform:	Arc sine square root w/ Bartlett adj.	
Tail:	One-tailed, decreasing	
Constant:	-.01	Variance: .01
Root:	-1.00	Alpha Normality: .01
		NOEC: .05

EC/LC Method: F (P,S,G,L,N) Superdunnet: 4000

GROWTH

End Point:	GR Reproduction	
Analysis:	No Analysis	
Transform:		
Tail:		
Constant:	.01	Variance: .01
Root:		Alpha Normality: .01
		NOEC: .05

Calculate IC? N (Y,N) IC resamples: 120

Errors/Warnings

Type	Number	Description
EC/LC	906	Negative or zero slope with probit model indicates greater or equal proportions of responses with higher doses - EC/LC values may be
PROP	0	Analysis completed with no errors

11/28/05

TOXIS ANALYSIS SUMMARY

Ceriodaphnia		Proportion Alive				Day 2
Lab	Species	Date	Test Material	Permit	Protocol	Test Number
ABS	DP	11/08/5	EFF2 (%)	MA0003891	EPAA 91	46223

EPA Flowchart (Chronic and Acute) 1 control

Conc	Mean	SD	N	T	Sum of Ranks
Data transformation: Arc sine sqrt w/ adj.					
	0.00B	1.35	0.000	5	
X	0.00D	1.35	0.000	5	
X	5.00D	1.30	.106	5	1.323
X	15.00D	1.35	0.000	5	0.000
X	35.00D	1.35	0.000	5	0.000
X	50.00D	1.35	0.000	5	0.000
X	75.00D	1.35	0.000	5	0.000
X	100.00D	1.30	.106	5	1.323

Conc	Mean	SD	N	T	Sum of Ranks
Data transformation: No transformation					
	0.00B	1.00	0.000	5	
	0.00D	1.00	0.000	5	
	5.00D	.96	.089	5	1.323
	15.00D	1.00	0.000	5	0.000
	35.00D	1.00	0.000	5	0.000
	50.00D	1.00	0.000	5	0.000
	75.00D	1.00	0.000	5	0.000
	100.00D	.96	.089	5	1.323

NOEC	LOEC	TU	Alpha	Tail	Based on	Critical Sum of Ran
>100	>100	<1	.05	One-sided	Steel	16

Dunnett Test:	MSE	MSD % Reduction from Control	Critical T	
	.00324	9.43880	2.41	
Shapiro-Wilk Test for Normality:	Alpha	W	Cutoff W	Normal?
	.01	.51902	.91	No
Bartlett Test for Equal Variance:	Alpha	B	P(B)	Equal Var?
	.01	9999	0	No

Aquatec Biological Sciences, Inc.

=====

WATER FLEA TEST DATA

=====

Test Number: 46223                      ( ) Chronic (x) Acute 48 hours  
 Test Date: 8-Nov-05  
 Source: MA0003891                      Test Material: EFF2 (%)

Conc	Rep	Cont.		Start	Daily Survival						Prop Alive	Total Young	Max Young	
		No.	Sex		1	2	3	4	5	6				End
0.00 B	1		F	5		5						1.00		
0.00 B	2		F	5		5						1.00		
0.00 B	3		F	5		5						1.00		
0.00 B	4		F	5		5						1.00		
0.00 B	5		F	5		5						1.00		
0.00 D	1		F	5		5						1.00		
0.00 D	2		F	5		5						1.00		
0.00 D	3		F	5		5						1.00		
0.00 D	4		F	5		5						1.00		
0.00 D	5		F	5		5						1.00		
5.00 D	1		F	5		4						.80		
5.00 D	2		F	6		6						1.00		
5.00 D	3		F	5		5						1.00		
5.00 D	4		F	5		5						1.00		
5.00 D	5		F	5		5						1.00		
15.00 D	1		F	5		5						1.00		
15.00 D	2		F	5		5						1.00		
15.00 D	3		F	5		5						1.00		
15.00 D	4		F	5		5						1.00		
15.00 D	5		F	5		5						1.00		
35.00 D	1		F	5		5						1.00		
35.00 D	2		F	5		5						1.00		
35.00 D	3		F	5		5						1.00		
35.00 D	4		F	5		5						1.00		
35.00 D	5		F	5		5						1.00		
50.00 D	1		F	5		5						1.00		
50.00 D	2		F	5		5						1.00		
50.00 D	3		F	5		5						1.00		
50.00 D	4		F	5		5						1.00		
50.00 D	5		F	5		5						1.00		
75.00 D	1		F	5		5						1.00		
75.00 D	2		F	5		5						1.00		
75.00 D	3		F	5		5						1.00		
75.00 D	4		F	5		5						1.00		
75.00 D	5		F	5		5						1.00		
100.00 D	1		F	5		4						.80		
100.00 D	2		F	5		5						1.00		
100.00 D	3		F	5		5						1.00		
100.00 D	4		F	5		5						1.00		
100.00 D	5		F	5		5						1.00		

*J* 11/28/05

Client: GENERAL ELECTRIC, PITTSFIELD, MA  
 MA0003891

Test #: 31005

SDG: 9181

46223

Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test

SURVIVAL DATA, SAMPLE 31005

Treatment (%)	Day 0	Day 1 # Surviving	Day 2 # Surviving
Rec. A	5	5	5
Water B	5	5	5
Contr C	5	5	5
D	5	5	5
E	5	5	5
5.0 A	5	KS 5 4	4
B	KS 6	KS 6	6
C	5	5	5
D	5	5	5
E	5	5	5
15 A	5	5	5
B	5	5	5
C	5	5	5
D	5	5	5
E	5	5	5
35 A	5	5	5
B	5	5	5
C	5	5	5
D	5	5	5
E	5	5	5
50 A	5	5	5
B	5	5	5
C	5	5	5
D	5	5	5
E	5	5	5
75 A	5	5	5
B	5	5	5
C	5	5	5
D	5	5	5
E	5	5	5
100 A	5	5	4
B	5	5	5
C	5	5	5
D	5	5	5
E	5	5	5
Sample #	31005		
I/D/T	KS 11/8	KS 11/9 11:15	KS 11/10 11:00

11:10

Client: GENERAL ELECTRIC, PITTSFIELD, MA      Test #: 31005      SDG: 9181  
 MA0003891      46223  
 Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test      5

SURVIVAL DATA, LAB CONTROL AND DECHLORINATION CONTROL

Treatment (%)	Day 0	Day 1 # Surviving	Day 2 # Surviving
Lab A	5	5	5
Contr B	5	5	5
	5	5	5
	5	5	5
	5	5	5
	5	5	5
Dechlor. Control	5	5	5
	5	5	5
	5	5	5
	5	5	5
	5	5	5
I/D/T	11/8 KS 11:00	KS 11/9 11:10	KS 11/10 10:55

Note: Residual chlorine was not detected in the effluent sample, therefore sodium thiosulfate was not added to the effluent before toxicity testing. Although chlorine was not detected, an additional dechlorination control (0.1 mL of 0.25 N sodium thiosulfate per liter of moderately hard water) was included in the test array.



### Daphnia pulex Culture Log

CULTURE ID	WATER RENEWAL?	FED (MWF Sel/YCT TuTh Sel)	CLEARED OF NEONATES? (TIME)	TEMP. (°C)	DATE	INIT.
11/8	—	Sel/YCT	—	22.0°C	11-8-05	KS
10/21	✓		10:30 ①			
	✓					
	✓					
11/4	✓		—			
11/8	✓	Sel	—	—	11-9-05	KS
11/9 A,B,C	✓	YCT/Sel	✓	—		
11/8, 11/9 A,B,C	—	Sel	—	—	11-10-05	KS
11/8, 11/9 A,B,C	✓	YCT/Sel	—	—	11/11/05	KK
A11	—	Sel	—	—	11/12/05	KS
11/8, 11/9 A,B,C	✓	YCT/Sel	✓ 9:15	21.4	11/14/05	KS
A11	—	Sel	—	—	11/15/05	KS

0/28 culture ended 11/8  
 11/4 culture used to start 11/9 A,B,C cultures

① Cultures cleared for GE Pittsfield neonate collections  
 Neonates collected 11/9/05.

Client: GENERAL ELECTRIC, PITTSFIELD, MA

Test #: 31005

SDG: 9181

MA0003891 OUTFALL 001

46223

Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test

Treatment (%)	Parameter	Day 0	Day 1	Day 2	
Lab	pH	6.9		7.3	
	Contr	DO	8.5		7.4
		Temp	20.8	20.6	20.7
		Cond.	200	-	228
Dechlorination	pH	7.1		7.3	
	Control	DO	8.5		7.4
		Temp	20.7	20.5	20.7
		Cond.	206	-	222
Rec. Water	pH	7.2		7.3	
	Contr	DO	8.4		7.4
		Temp	20.3	20.2	20.6
		Cond.	164	-	184
5.0	pH	7.4		7.4	
		DO	8.5		7.4
		Temp	20.5	20.5	20.5
		Cond.	214	-	229
15	pH	7.6		7.7	
		DO	8.5		7.4
		Temp	20.5	20.4	20.4
		Cond.	319	-	336
35	pH	7.8		8.0	
		DO	8.5		7.4
		Temp	20.4	20.3	20.4
		Cond.	525	-	538
50	pH	7.9		8.1	
		DO	8.5		7.4
		Temp	20.4	20.2	20.4
		Cond.	679	-	691
75	pH	7.9		8.3	
		DO	8.5		7.4
		Temp	20.4	20.2	20.5
		Cond.	918	-	920
100	pH	7.9		8.4	
		DO	8.5		7.4
		Temp	20.3	20.2	20.4
		Cond.	1151	-	1210
Sample #		31005	31005	31005	
I/D (2005)		KS 11/8	KS 11/9	KS 11/10	

# Alkalinity and Hardness Worksheet

Sample Identifier	LIMS Identifier	Sub ID Code	Sampling Date	Alkalinity				Hardness							
				Sample Volume	Initial Titrant (ml)	Final Titrant (ml)	Analyst	Analysis Date	Alkalinity	Sample Volume	Initial Titrant (ml)	Final Titrant (ml)	Analyst	Analysis Date	Hardness
31005	Outfall Composite		11/8/05	25	10.3	17.4	KK	11/12/05	284.0	50	15.9	31	KK	11/8/05	302.0
31006	Housatonic River		11/8/05	25	17.4	18.6	KK	11/12/05	48.0	50	31	33.8	KK	11/8/05	56.0

*P 11/15/05*

## Sample Preparation

Client: GENERAL ELECTRIC, PITTSFIELD, MA MA0003891	SDG: 9181
Test Description: <i>Daphnia pulex</i> acute toxicity test.	Test #: 46223

### Sample Identification:

Sample Description	Rec. Water (Housatonic River)	Effluent		
Sample #	31006	31005		

### Sample Preparation:

Filtration	60 micron ✓	60 micron ✓	60 micron	60 micron
Chlorine <sup>1</sup>	ND	ND		
Dechlorine <sup>2</sup>	-	-		
Salinity <sup>(0/00)</sup>	0‰	1‰		
Prepared by (Init./date)	KS 11-8-05			

<sup>1</sup> Record vol. 0.025 N sodium thiosulfate to dechlorinate 100 mL sample or record "ND" (not detected).  
<sup>2</sup> Dechlorination required if detected. Record vol. 0.25 N sodium thiosulfate added per gallon effluent.

Dilution Plan for: *Daphnia pulex* static acute toxicity test

Receiving water is the dilution water  
 Lab Control = moderately hard water / Lemaille RIVER WATER  
 Dechlorination Control = moderately hard water + sodium thiosulfate  
 & Lemaille RIVER WATER

Concentration (%)	Volume Effluent (mL)	Volume Diluent (mL)	Total Volume (mL)
Laboratory Control	0	400	400
Thiosulfate Control	0	400	400
Rec. Water Control	0	400	400
5.0	20	380	400
15	60	340	400
35	140	260	400
50	200	200	400
75	300	100	400
100	400	0	400
Total Volume	1120	1680	

### Comments:

Collect alkalinity and hardness samples on each new effluent and receiving water sample.  
**SEND SUBSAMPLE OF EFFLUENT AND RECEIVING WATER TO STL FOR TRC ANALYSIS.**

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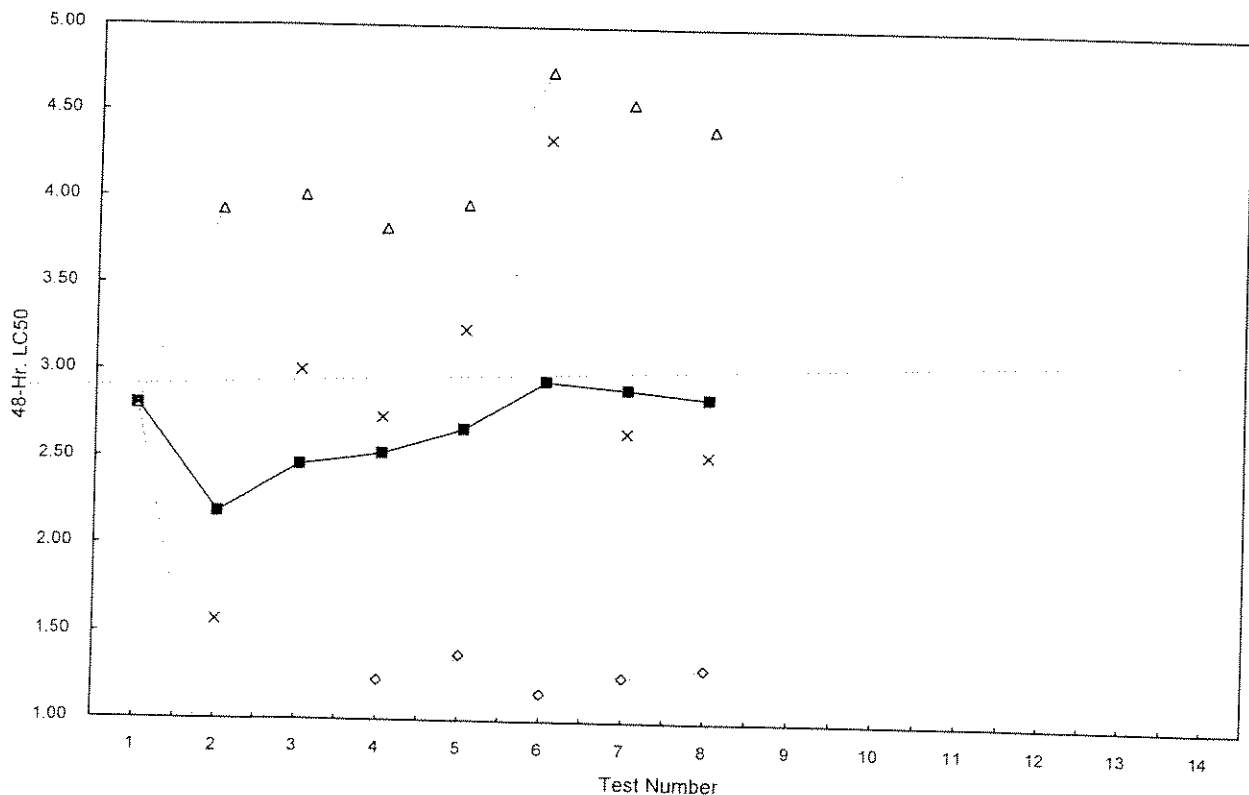
## Standard Reference Toxicant Control Charts

# Reference Toxicant Control Chart

## *Daphnia pulex*

### in Sodium chloride (g/L)

Test Number	Test Date	Organism		48-Hr. LC50	Mean LC50	Lower Limit	Upper Limit	Organism Source
		Age (Days)						
1	06/10/98	1		2.801	2.80	2.80	2.80	Aquatec Biological Sciences
2	09/17/98	1		1.57	2.19	0.44	3.93	Aquatec Biological Sciences
3	12/15/98	1		3.002	2.46	0.91	4.01	Aquatec Biological Sciences
4	10/08/05	1		2.733	2.53	1.23	3.82	Aquatic BioSystems
5	10/11/05	1		3.241	2.67	1.38	3.96	Aquatic BioSystems
6	10/19/05	1		4.342	2.95	1.16	4.74	Aquatic BioSystems
7	11/02/05	1		2.655	2.91	1.26	4.55	Aquatec Biological Sciences
8	11/08/05	1		2.527	2.86	1.31	4.41	Aquatec Biological Sciences
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								



Mean LC50
  Lower Limit
  Upper Limit
  48-Hr. LC50

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**APPENDIX 2**

**Laboratory Reports**

Columbia Analytical Services, Inc.  
O'Brien & Gere, Inc.

NPDES Sampling  
GE Pittsfield  
Toxicity pH

Date: 11/7/05

Acute Dry

Acute Wet

Chronic  (Day 1,2 or 3)

Effluent Composite

Sample # A6904C

Date 11-7-05

Time 1100AM

pH 7.86 su

River/Dilution Water

Sample # A6903R

Date 11-7-05

Time 8<sup>30</sup>AM

pH 7.66 su

Mark Wasowski 11-7-05  
Signed & Dated



COLUMBIA ANALYTICAL SERVICES

Reported: 12/02/05

General Electric

Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 11/05

Client Sample ID : A6903RTM

Date Sampled : 11/07/05 08:30  
Date Received: 11/08/05

Order #: 857834  
Submission #: R2528711

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	11/16/05	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	11/16/05	1.0
CALCIUM	200.7	0.500	14.8	MG/L	11/28/05	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	11/16/05	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	11/16/05	1.0
LEAD	200.7	0.0500	0.0500 U	MG/L	11/16/05	1.0
MAGNESIUM	200.7	0.500	4.91	MG/L	11/16/05	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	11/16/05	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	11/16/05	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	11/16/05	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/02/05

General Electric

Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 11/05

Client Sample ID : A6904CTM

Date Sampled : 11/07/05 11:00  
Date Received: 11/08/05

Order #: 857835  
Submission #: R2528711

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	11/16/05	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	11/16/05	1.0
CALCIUM	200.7	0.500	70.6	MG/L	11/28/05	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	11/16/05	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	11/16/05	1.0
LEAD	200.7	0.0500	0.0500 U	MG/L	11/16/05	1.0
MAGNESIUM	200.7	0.500	32.5	MG/L	11/16/05	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	11/16/05	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	11/16/05	1.0
ZINC	200.7	0.0200	0.0301	MG/L	11/16/05	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/02/05

General Electric

Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 11/05

Client Sample ID : A6904CDM

Date Sampled : 11/07/05 11:00  
Date Received: 11/08/05

Order #: 857836  
Submission #: R2528711

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	11/16/05	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	11/16/05	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	11/16/05	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	11/16/05	1.0
LEAD	200.7	0.0500	0.0500 U	MG/L	11/16/05	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	11/16/05	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	11/16/05	1.0
ZINC	200.7	0.0200	0.0296	MG/L	11/16/05	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/02/05

General Electric

Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 11/05

Client Sample ID : A6903R

Date Sampled : 11/07/05 08:30  
Date Received: 11/08/05

Order #: 857837  
Submission #: R2528711

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE	TIME	DILUTION
					ANALYZED	ANALYZED	
CHLORIDE	300.0	0.200	11.7	MG/L	11/09/05	10:52	10.0
TOTAL SOLIDS	160.3	10.0	88.0	MG/L	11/09/05	14:10	1.0
TOTAL SUSPENDED SOLIDS	160.2	1.00	1.00 U	MG/L	11/09/05	12:30	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/02/05

General Electric

Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 11/05

Client Sample ID : A6904C

Date Sampled : 11/07/05 11:00  
Date Received: 11/08/05

Order #: 857838  
Submission #: R2528711

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
CHLORIDE	300.0	0.200	178	MG/L	11/09/05	14:21	40.0
TOTAL SOLIDS	160.3	10.0	615	MG/L	11/09/05	14:10	1.0
TOTAL SUSPENDED SOLIDS	160.2	1.00	5.29	MG/L	11/09/05	12:30	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/02/05

General Electric

Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 11/05

Client Sample ID : A6903R

Date Sampled : 11/07/05 08:30  
Date Received: 11/08/05

Order #: 857839  
Submission #: R2528711

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE	TIME	DILUTION
					ANALYZED	ANALYZED	
AMMONIA	350.1	0.0500	0.0500 U	MG/L	11/16/05	10:53	1.0
TOTAL ORGANIC CARBON	415.1	0.0500	5.34	MG/L	11/15/05	12:34	10.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0500 U	MG/L	11/11/05	14:16	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/02/05

General Electric

Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 11/05

Client Sample ID : A6904C

Date Sampled : 11/07/05 11:00  
Date Received: 11/08/05

Order #: 857840  
Submission #: R2528711

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE	TIME	DILUTION
					ANALYZED	ANALYZED	
AMMONIA	350.1	0.0500	0.367	MG/L	11/16/05	10:53	1.0
TOTAL ORGANIC CARBON	415.1	0.0500	10.1	MG/L	11/15/05	13:05	20.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0579	MG/L	11/11/05	14:16	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 12/02/05

General Electric  
Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 11/05  
Client Sample ID : A6903RCN

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Date Sampled : 11/07/05 08:30                      Order #: 857841                      Sample Matrix: WATER  
Date Received: 11/08/05                      Submission #: R2528711

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ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	11/11/05	09:46	1.0



COLUMBIA ANALYTICAL SERVICES

Reported: 12/02/05

General Electric

Project Reference: GE-PITTSFIELD NPDES PERMIT BIOMONITORING - 11/05

Client Sample ID : A6904CCN

Date Sampled : 11/07/05 11:00  
Date Received: 11/08/05

Order #: 857842  
Submission #: R2528711

Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0305	MG/L	11/11/05	09:46	1.0



# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 2 OF 4

SR #

CAS Contact

Project Name <b>NPDES PERMIT</b>		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)	
Project Manager <b>J. NICHOLSON</b>		Report GC		PRESERVATIVE	
Company/Address <b>GE CORP. ENVIRONMENTAL</b>		Company/Address <b>159 PLASTICS AVE, BLDG 59</b>		PRESERVATIVE	
Address <b>PITTSFIELD, MA 01201</b>		Address <b>PITTSFIELD, MA 01201</b>		PRESERVATIVE	
Phone # <b>(413) 448-5915</b>		Phone # <b>(413) 448-5935</b>		PRESERVATIVE	
Signature <i>Mark Wasniewsky</i>		Signature <i>Mark Wasniewsky</i>		PRESERVATIVE	
Printer Name <b>MARK WASNIEWSKY</b>		Printer Name <b>MARK WASNIEWSKY</b>		PRESERVATIVE	
Firm <b>OBG</b>		Firm <b>OBG</b>		PRESERVATIVE	
Date/Time <b>11-7-05 2:09PM</b>		Date/Time <b>11/7/05 2:09 PM</b>		PRESERVATIVE	
Date/Time <b>11/8/05 0930</b>		Date/Time <b>11/8/05 0930</b>		PRESERVATIVE	
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX	NUMBER OF CONTAINERS
09B-A6889		11-6-05	7:00 AM	H2O	1
09C-A6890		11-6-05	7:00 AM	H2O	1
64T-A6894		11-7-05	7:00 AM		1
64G-A6898			7:00 AM		1
005-A6897/A6901			7:00 AM		1
005-A6897/A6901			7:00 AM		1
09B-A6902			8:00 AM		1
<del>005-A6897/A6901</del>			<del>7:00 AM</del>		<del>1</del>
A6903RTM	857834		8:30 AM		1
A6904CTM	857835		11:00 AM		1
SPECIAL INSTRUCTIONS/COMMENTS <b>Metals 10 - see list on sample labels</b>					
SAMPLE RECEIPT: CONDITION/COOLER TEMP. _____ RECEIVED BY _____					
RELINQUISHED BY <i>Mark Wasniewsky</i> SIGNATURE					
RELINQUISHED BY <b>MARK WASNIEWSKY</b> PRINTED NAME					
RELINQUISHED BY <b>OBG</b> FIRM					
RELINQUISHED BY <b>11/7-05 2:09PM</b> DATE/TIME					
CUSTODY SEALS: Y N RECEIVED BY _____					
RELINQUISHED BY _____ SIGNATURE					
RELINQUISHED BY _____ PRINTED NAME					
RELINQUISHED BY _____ FIRM					
RELINQUISHED BY _____ DATE/TIME					
TURNAROUND REQUIREMENTS		RUSH (BURCHARGES APPLY)		STANDARD	
24 hr _____ 48 hr _____ 5 day _____		REQUESTED FAX DATE _____		REQUESTED REPORT DATE _____	
REPORT REQUIREMENTS		I. Results Only _____		II. Results + QC Summaries (LCS, DUP, MSMSD as required) _____	
III. Results + QC and Calibration Summaries _____		IV. Data Validation Report with Raw Data _____		V. Specialized Forms / Calibration Report _____	
Evaluations _____ Yes _____ No _____		RECEIVED BY _____		SIGNATURE	
RELINQUISHED BY _____		RELINQUISHED BY _____		PRINTED NAME	
RELINQUISHED BY _____		RELINQUISHED BY _____		FIRM	
RELINQUISHED BY _____		RELINQUISHED BY _____		DATE/TIME	
INVOICE INFORMATION		FOI _____		BILL TO: _____	
SUBMISSION # <b>2528711</b>		RECEIVED BY _____		SIGNATURE	
RECEIVED BY _____		RECEIVED BY _____		PRINTED NAME	
RECEIVED BY _____		RECEIVED BY _____		FIRM	
RECEIVED BY _____		RECEIVED BY _____		DATE/TIME	

*Samples Packed in Ice*

See QAPP



# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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SR # \_\_\_\_\_  
CAS Contact \_\_\_\_\_

Project Name		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)	
Client Sample ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE
A6904CDM	857836	11-7-05	11:00 AM	H <sub>2</sub> O	1
A6903R	37	8:39 AM			1
A6904C	38	11:08 AM			1
A6903R	39	8:39 AM			1
A6904C	40	11:08 AM			1
A6903RCN	41	8:39 AM			1
A6904CCN	857842	11:00 AM			1

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	PRESERVATIVE	NUMBER OF CONTAINERS	GCMS VOAS □ CLP	GCMS SVOAS □ CLP	GCMS VOAS □ CLP	GCMS SVOAS □ CLP	PESTICIDES	PCBs □ 8082 □ 608 □ CLP	PCBs □ 8081 □ 608 □ CLP	METALS, TOTAL	METALS, DISSOLVED	Chloride & TSS	TOTAL PHOSPHORUS	TOTAL SULFIDE	TOTAL NH <sub>3</sub>	CYANIDE EPH 35% <sup>4</sup>	
A6904CDM	857836	11-7-05	11:00 AM	H <sub>2</sub> O	1									X							
A6903R	37	8:39 AM			1																
A6904C	38	11:08 AM			1																
A6903R	39	8:39 AM			1																
A6904C	40	11:08 AM			1																
A6903RCN	41	8:39 AM			1																
A6904CCN	857842	11:00 AM			1																

SPECIAL INSTRUCTIONS/COMMENTS	TURNAROUND REQUIREMENTS	REPORT REQUIREMENTS	INVOICE INFORMATION
Metals Dissolved (8) See List on Sample Label	RUSH (SURCHARGES APPLY) 24 hr. 48 hr. 5 day STANDARD	I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report	POP BILL TO: SUBMISSION # RECEIVED BY
Requested Report Date	Requested Report Date	Requested Report Date	Requested Report Date

SAMPLE RECEIPT: CONDITION/COOLER TEMP.	RECEIVED BY	RECEIVED BY	RECEIVED BY
See QAPP □	Signature: [Signature] Printed Name: [Name] Firm: [Firm] Date/Time: 11/7-05 2:00 PM	Signature: [Signature] Printed Name: [Name] Firm: [Firm] Date/Time: 11/8/05 09:36	Signature: [Signature] Printed Name: [Name] Firm: [Firm] Date/Time: 11/8/05 09:36

Samples Packed in Ice

Filtered & Preserved

**Cooler Receipt And Preservation Check Form**

Project/Client GE Pittsfield Submission Number \_\_\_\_\_

Cooler received on 11/8/05 by: cmk COURIER: CAS UPS FEDEX VELOCITY CLIENT

- |    |  |                |             |  |            |
|----|--|----------------|-------------|--|------------|
| 1. | Were custody seals on outside of cooler?                     | <u>YES</u>     | NO          |  |            |
| 2. | Were custody papers properly filled out (ink, signed, etc.)? | <u>YES</u>     | NO          |  |            |
| 3. | Did all bottles arrive in good condition (unbroken)?         | <u>YES</u>     | NO          |  |            |
| 4. | Did any VOA vials have significant air bubbles?              | <u>YES</u>     | NO          |  | <u>N/A</u> |
| 5. | Were <u>Ice</u> or Ice packs present?                        | <u>YES</u>     | NO          |  |            |
| 6. | Where did the bottles originate?                             | <u>CAS/ROC</u> | CLIENT      |  |            |
| 7. | Temperature of cooler(s) upon receipt:                       | <u>0.2°</u>    | <u>1.1°</u> |  |            |

Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes

If No, Explain Below No No No No No

Date/Time Temperatures Taken: 11/8/05 0940

Thermometer ID: 161 or IR GUN Reading From: Temp Blank or Sample Bottle

If out of Temperature, Client Approval to Run Samples \_\_\_\_\_

PC Secondary Review: AJA

Cooler Breakdown: Date: 11/8/05 by: cmk

- |    |   |            |            |
|----|---|------------|------------|
| 1. | Were all bottle labels complete (i.e. analysis, preservation, etc.)?              | <u>YES</u> | NO         |
| 2. | Did all bottle labels and tags agree with custody papers?                         | <u>YES</u> | NO         |
| 3. | Were correct containers used for the tests indicated?                             | <u>YES</u> | NO         |
| 4. | Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated |            | <u>N/A</u> |

Explain any discrepancies: \_\_\_\_\_

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH	✓				
2	HNO <sub>3</sub>	✓				
2	H <sub>2</sub> SO <sub>4</sub>	✓				
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH  
 \*\*If pH adjustment is required, use NaOH and/or H<sub>2</sub>SO<sub>4</sub>

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: AJA

---

**APPENDIX 3**

**Chain of Custody Forms**

11/7/2005

ACUTE AQUATIC TOXICITY COMPOSITE

Month: NOV  
Week: 2  
Fiscal Wk: 46  
Weather: WET

	Gallons/Day	MI in Composite	Percent of Composite
001	124,640	3,027.62	28.83%
004	0	-	0.00%
007	0	-	0.00%
64T	38,530	935.93	8.91%
64G	175,440	4,261.60	40.59%
09A	0	-	0.00%
09B	93,650	2,274.85	21.67%
	432,260	10500	100.00%

The Acute Toxicity Composite was made today by Mark Wasniewsky @ 11<sup>00</sup> AM  
according to the table above, and given the sample ID# A6904C.

COC - OBG110705

Mark Wasniewsky  
Signed  
11-7-05  
Date

# Aquatec Biological Sciences

## Chain-of-Custody Record

273 Commerce Street  
 Williston, VT 05495  
 TEL: (802) 860-1638  
 FAX: (802) 658-3189

COMPANY INFORMATION		COMPANY'S PROJECT INFORMATION				SHIPPING INFORMATION		VOLUME/CONTAINER TYPE/ PRESERVATIVE																					
Name: General Electric Company Address: O'Brien & Gere 1000 East Street, Gate 64 City/State/Zip: Pittsfield, MA 01201 Telephone: (413) 494-6709 Facsimile: _____ Contact Name: Mark Wasnewsky		Project Name: ALCOA NPDES <b>Outfall Composite</b> Project Number: 05069 Sampler Name(s): <u>Mark Wasnewsky</u> Quote #: 10/05 Client Code: COLUMB				Carrier: _____ Airbill Number: _____ Date Shipped: <u>11-7-05</u> Hand Delivered: <input type="checkbox"/> Yes <input type="checkbox"/> No		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 15%;">4°C</th> <th style="width: 15%;">4°C</th> <th style="width: 15%;">4°C</th> <th style="width: 15%;">4°C</th> <th style="width: 15%;">4°C</th> <th style="width: 15%;">4°C</th> </tr> <tr> <td>Plastic</td> <td>Plastic</td> <td>Plastic</td> <td>Glass</td> <td>Glass</td> <td>Amber Glass</td> </tr> <tr> <td>1 gal</td> <td>1/2 gal</td> <td>1 L</td> <td>40 ml</td> <td>250 ml</td> <td>0.5 L</td> </tr> </table>				4°C	4°C	4°C	4°C	4°C	4°C	Plastic	Plastic	Plastic	Glass	Glass	Amber Glass	1 gal	1/2 gal	1 L	40 ml	250 ml	0.5 L
4°C	4°C	4°C	4°C	4°C	4°C																								
Plastic	Plastic	Plastic	Glass	Glass	Amber Glass																								
1 gal	1/2 gal	1 L	40 ml	250 ml	0.5 L																								
SAMPLE IDENTIFICATION		COLLECTION		GRAB	COMPOSITE	MATRIX	ANALYSIS (detection limits, mg/L)																						
DATE	TIME	DATE	TIME				NUMBER OF CONTAINERS																						
11-7-05	11:00 AM			✓	✓	Effluent	1																						
11-7-05	8:30 AM			✓		Receiving	1																						
A6904C																													
A6903R																													
Outfall Composite																													
Housatonic River																													
Dilution Water																													

**NOTES TO SAMPLER(S):** (1): Complete the labels (Date, time, initials) and cover the labels with clear tape. Tape the caps of the sample bottles to ensure that they do not become dislodged during shipment. Nest the samples in sufficient ice to maintain 0°C - 6°C. Results for samples received at temperatures exceeding 6°C will be qualified in the report.

Notes to Lab: Ambient cooler temperature: -0.8 °C. Dechlorinate the effluent sample if chlorine is detected. Subsample for TRC analysis to STL.

Relinquished by: (signature)	DATE	TIME	Received by: (signature)	DATE	TIME
<u>Mark Wasnewsky</u>	11-7-05	14:30	<u>Red Olf</u>	11/7/05	18:00
Relinquished by: (signature)	DATE	TIME	Received by: (signature)	DATE	TIME
			<u>Kat...</u>		
Relinquished by: (signature)	DATE	TIME	Received by: (signature)	DATE	TIME



# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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SR # \_\_\_\_\_  
CAS Contact \_\_\_\_\_

Project Name		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)	
Project Manager		Report CC		PRESERVATIVE	
NPDES PERMIT		J. NICHOLSON		1 030	
GE CORP. ENVIRONMENTAL		159 PLASTICS AVE, BLDG 59		TSS EPA 160.2	
PITTSFIELD, MA 01201		PITTSFIELD, MA 01201		AG EPA 1664	
Phone # (413) 448-5915		FAX# (413) 448-5935		BOD EPA 405.1	
Signature: <i>Mark Wasniewsky</i>		Signature's Printed Name: <b>MARK WASNIEWSKY</b>		METALS, TOTAL (List in comments below)	
CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	TIME	MATRIX	NUMBER OF CONTAINERS
09B-A6889		11-6-05	7:40 AM	H2O	1
09C-A6890		11-6-05	12:45 PM	H2O	1
64T-A6894		11-7-05	7:00 AM		1
64G-A6898		7:09 AM			1
005-A6897/A6901		7:00 AM			1
005-A6897/A6901		7:09 AM			1
09B-A6902		8:00 AM			1
<del>005-A6897/A6901</del>		<del>7:00 AM</del>			<del>1</del>
A6903RTM	857834	8:30 AM			1
A6904CTM	857835	11:09 AM			1
SPECIAL INSTRUCTIONS/COMMENTS Metals 10 - see list on sample labels					
TURNDOWN REQUIREMENTS RUSH (SURCHARGES APPLY) _____ 24 hr _____ 48 hr _____ 5 day _____ STANDARD _____ REQUESTED PAK DATE _____ REQUESTED REPORT DATE _____					
REPORT REQUIREMENTS I. Results Only _____ II. Results + QC Summaries (LCS, DUP, MSMSD as required) _____ III. Results + QC and Cabellon Summaries _____ IV. Data Validation Report with Raw Data _____ V. Synchroized Forms / Custom Report _____ Extra _____ Yes _____ No _____					
INVOICE INFORMATION PO# _____ BILL TO: _____					
SUBMISSION # <b>R2528711</b> RECEIVED BY _____					
SAMPLE RECEIPT: CONDITION/COOLER TEMP. _____ RECEIVED BY _____ CUSTODY SEALS: Y N RELINQUISHED BY _____					
Signature: <i>Mark Wasniewsky</i>		Signature: _____		Signature _____	
Printed Name: <b>MARK WASNIEWSKY</b>		Printed Name: _____		Printed Name _____	
Firm: <b>OBS</b>		Firm: <b>CAS</b>		Firm _____	
Date/Time: <b>11-7-05 2:09 PM</b>		Date/Time: <b>11/8/05 0930</b>		Date/Time _____	

*Samples Packed in Ice*

PRELIMINARY RESULTS  
 PRESENTATIVE KEY  
 0. NONE  
 1. HCl  
 2. HNO<sub>3</sub>  
 3. H<sub>2</sub>SO<sub>4</sub>  
 4. NaOH  
 5. Zn Acetate  
 6. MeOH  
 7. NaHSO<sub>4</sub>  
 8. Other \_\_\_\_\_  
 REMARKS/ALTERNATE DESCRIPTION





# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR # \_\_\_\_\_ CAS Contact \_\_\_\_\_

PAGE 3 OF 4

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Project Name		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)	
Project Manager		Report CC		PRESERVATIVE	
Company/Address		Company/Address		NUMBER OF CONTAINERS	
Phone #		FAX#		GC/MS VOAS	
Sampler's Signature		Sampler's Printed Name		GC/MS SVOAS	
FOR OFFICE USE ONLY		DATE		SAMPLING TIME	
LAB ID		DATE		MATRIX	
MPDES Permit	J. Nicholson	857836	11-7-05	11:00 AM	H2O
GE Corp Environmental	159 Plastics Ave Bldg 59	37	8:30 AM		
Pittsfield MA 01201		38	11:00 AM		
413 448 5915	413 448 5935	39	8:30 AM		
MARK WASNEWSKY	MARK WASNEWSKY	40	11:00 AM		
		41	8:30 AM		
		857842	11:00 AM		

CLIENT SAMPLE ID	FOR OFFICE USE ONLY	DATE	SAMPLING TIME	MATRIX	ANALYSIS REQUESTED	PRESERVATIVE	NUMBER OF CONTAINERS	GC/MS VOAS	GC/MS SVOAS	PESTICIDES	PCBS	METALS, TOTAL	METALS, DISSOLVED	CHLORIDE SOLIDS	TOTAL PHOSPHORUS	TOTAL NH3	CYANIDE EM3354
A6904C DM	857836	11-7-05	11:00 AM	H2O			1	<input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> CLP	<input type="checkbox"/> 8270 <input type="checkbox"/> 625 <input type="checkbox"/> CLP	<input type="checkbox"/> 8021 <input type="checkbox"/> 601/602	<input type="checkbox"/> 8082 <input type="checkbox"/> 608 <input type="checkbox"/> CLP	<input type="checkbox"/> METALS, TOTAL	<input type="checkbox"/> METALS, DISSOLVED	<input type="checkbox"/> CHLORIDE SOLIDS	<input type="checkbox"/> TOTAL PHOSPHORUS	<input type="checkbox"/> TOTAL NH3	<input type="checkbox"/> CYANIDE EM3354
A6903R			8:30 AM				1	<input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> CLP	<input type="checkbox"/> 8270 <input type="checkbox"/> 625 <input type="checkbox"/> CLP	<input type="checkbox"/> 8021 <input type="checkbox"/> 601/602	<input type="checkbox"/> 8082 <input type="checkbox"/> 608 <input type="checkbox"/> CLP	<input type="checkbox"/> METALS, TOTAL	<input type="checkbox"/> METALS, DISSOLVED	<input type="checkbox"/> CHLORIDE SOLIDS	<input type="checkbox"/> TOTAL PHOSPHORUS	<input type="checkbox"/> TOTAL NH3	<input type="checkbox"/> CYANIDE EM3354
A6904C			11:00 AM				1	<input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> CLP	<input type="checkbox"/> 8270 <input type="checkbox"/> 625 <input type="checkbox"/> CLP	<input type="checkbox"/> 8021 <input type="checkbox"/> 601/602	<input type="checkbox"/> 8082 <input type="checkbox"/> 608 <input type="checkbox"/> CLP	<input type="checkbox"/> METALS, TOTAL	<input type="checkbox"/> METALS, DISSOLVED	<input type="checkbox"/> CHLORIDE SOLIDS	<input type="checkbox"/> TOTAL PHOSPHORUS	<input type="checkbox"/> TOTAL NH3	<input type="checkbox"/> CYANIDE EM3354
A6903R			8:30 AM				1	<input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> CLP	<input type="checkbox"/> 8270 <input type="checkbox"/> 625 <input type="checkbox"/> CLP	<input type="checkbox"/> 8021 <input type="checkbox"/> 601/602	<input type="checkbox"/> 8082 <input type="checkbox"/> 608 <input type="checkbox"/> CLP	<input type="checkbox"/> METALS, TOTAL	<input type="checkbox"/> METALS, DISSOLVED	<input type="checkbox"/> CHLORIDE SOLIDS	<input type="checkbox"/> TOTAL PHOSPHORUS	<input type="checkbox"/> TOTAL NH3	<input type="checkbox"/> CYANIDE EM3354
A6904C			11:00 AM				1	<input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> CLP	<input type="checkbox"/> 8270 <input type="checkbox"/> 625 <input type="checkbox"/> CLP	<input type="checkbox"/> 8021 <input type="checkbox"/> 601/602	<input type="checkbox"/> 8082 <input type="checkbox"/> 608 <input type="checkbox"/> CLP	<input type="checkbox"/> METALS, TOTAL	<input type="checkbox"/> METALS, DISSOLVED	<input type="checkbox"/> CHLORIDE SOLIDS	<input type="checkbox"/> TOTAL PHOSPHORUS	<input type="checkbox"/> TOTAL NH3	<input type="checkbox"/> CYANIDE EM3354
A6903RCN			8:30 AM				1	<input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> CLP	<input type="checkbox"/> 8270 <input type="checkbox"/> 625 <input type="checkbox"/> CLP	<input type="checkbox"/> 8021 <input type="checkbox"/> 601/602	<input type="checkbox"/> 8082 <input type="checkbox"/> 608 <input type="checkbox"/> CLP	<input type="checkbox"/> METALS, TOTAL	<input type="checkbox"/> METALS, DISSOLVED	<input type="checkbox"/> CHLORIDE SOLIDS	<input type="checkbox"/> TOTAL PHOSPHORUS	<input type="checkbox"/> TOTAL NH3	<input type="checkbox"/> CYANIDE EM3354
A6904CCN	857842		11:00 AM				1	<input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> CLP	<input type="checkbox"/> 8270 <input type="checkbox"/> 625 <input type="checkbox"/> CLP	<input type="checkbox"/> 8021 <input type="checkbox"/> 601/602	<input type="checkbox"/> 8082 <input type="checkbox"/> 608 <input type="checkbox"/> CLP	<input type="checkbox"/> METALS, TOTAL	<input type="checkbox"/> METALS, DISSOLVED	<input type="checkbox"/> CHLORIDE SOLIDS	<input type="checkbox"/> TOTAL PHOSPHORUS	<input type="checkbox"/> TOTAL NH3	<input type="checkbox"/> CYANIDE EM3354

SPECIAL INSTRUCTIONS/COMMENTS	TURNAROUND REQUIREMENTS	REPORT REQUIREMENTS	INVOICE INFORMATION
Metals <b>PLS SOLVED</b> See List on Sample Label	<input type="checkbox"/> RUSH (SURCHARGES APPLY) 24 hr _____ 48 hr _____ 9 day _____	I. Results Only _____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) _____ III. Results + QC and Calibration Summaries _____ IV. Data Validation Report with Flow Data _____ V. Specialized Forms / Custom Report _____	PO# _____ BILL TO: _____ SUBMISSION # <b>RAS28711</b>

SAMPLE RECEIPT: CONDITION/COOLER TEMP:	RECEIVED BY	RELINQUISHED BY	CUSTODY SEALS: Y N
	<i>Mark Wasnewsky</i>	<i>Mark Wasnewsky</i>	
	Signature: <i>Mark Wasnewsky</i>	Signature: <i>Mark Wasnewsky</i>	
	Printed Name: <i>MARK WASNEWSKY</i>	Printed Name: <i>MARK WASNEWSKY</i>	
	Firm: <i>DBS</i>	Firm: <i>EMKUTOR</i>	
	Date/Time: <i>11-7-05 2:00 PM</i>	Date/Time: <i>11/8/05 09:36</i>	

RECEIVED BY	RELINQUISHED BY
<i>Mark Wasnewsky</i>	<i>Mark Wasnewsky</i>
Signature	Signature
Printed Name	Printed Name
Firm	Firm
Date/Time	Date/Time

RECEIVED BY	RELINQUISHED BY
<i>Mark Wasnewsky</i>	<i>Mark Wasnewsky</i>
Signature	Signature
Printed Name	Printed Name
Firm	Firm
Date/Time	Date/Time

REMARKS/ALTERNATE DESCRIPTION: *Filtered & Preserved*

Preservative Key:  
 0. NONE  
 1. HCL  
 2. HNO3  
 3. H2SO4  
 4. NaOH  
 5. Zn Acetate  
 6. MeOH  
 7. NaHSO4  
 8. Other \_\_\_\_\_

### Cooler Receipt And Preservation Check Form

Project/Client GE Pittsfield Submission Number \_\_\_\_\_

Cooler received on 11/8/05 by: cmk COURIER: CAS UPS FEDEX VELOCITY CLIENT

- |    |  |                |                             |            |
|----|--|----------------|-----------------------------|------------|
| 1. | Were custody seals on outside of cooler?                     | <u>YES</u>     | <input type="checkbox"/> NO |            |
| 2. | Were custody papers properly filled out (ink, signed, etc.)? | <u>YES</u>     | <input type="checkbox"/> NO |            |
| 3. | Did all bottles arrive in good condition (unbroken)?         | <u>YES</u>     | <input type="checkbox"/> NO |            |
| 4. | Did any VOA vials have significant air bubbles?              | <u>YES</u>     | <input type="checkbox"/> NO | <u>N/A</u> |
| 5. | Were <u>Ice</u> or Ice packs present?                        | <u>YES</u>     | <input type="checkbox"/> NO |            |
| 6. | Where did the bottles originate?                             | <u>CAS/ROC</u> | <u>CLIENT</u>               |            |
| 7. | Temperature of cooler(s) upon receipt:                       | <u>0.2°</u>    | <u>1.1°</u>                 |            |

Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes  
 If No, Explain Below No No No No No

Date/Time Temperatures Taken: 11/8/05 0940  
 Thermometer ID: 161 or IR GUN Reading From: Temp Blank or Sample Bottle

If out of Temperature, Client Approval to Run Samples \_\_\_\_\_  
 PC Secondary Review: alt

- Cooler Breakdown: Date: 11/8/05 by: cmk
- |    |   |            |                             |            |
|----|---|------------|-----------------------------|------------|
| 1. | Were all bottle labels complete (i.e. analysis, preservation, etc.)?              | <u>YES</u> | <input type="checkbox"/> NO |            |
| 2. | Did all bottle labels and tags agree with custody papers?                         | <u>YES</u> | <input type="checkbox"/> NO |            |
| 3. | Were correct containers used for the tests indicated?                             | <u>YES</u> | <input type="checkbox"/> NO |            |
| 4. | Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated |            |                             | <u>N/A</u> |

Explain any discrepancies: \_\_\_\_\_

		YES	NO	Sample I.D.	Reagent	Vol. Added
pH	Reagent					
12	NaOH	✓				
2	HNO <sub>3</sub>	✓				
2	H <sub>2</sub> SO <sub>4</sub>	✓				
Residual Chlorine (+/-)	for TCN & Phenol					
5.9**	P/PCBs (608 only)					

YES = All samples OK      NO = Samples were preserved at lab as listed      PC OK to adjust pH

**VOC Vial pH Verification**  
 (Tested after Analysis)  
 Following Samples Exhibited pH > 2


Other Comments:

PC Secondary Review: alt