



GE  
159 Plastics Avenue  
Pittsfield, MA 01201  
USA

*Transmitted via Overnight Courier*

April 7, 2006

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 March 2006 (GEC900)**

Dear Mr. Tagliaferro and Ms. Steenstrup:

Enclosed are copies of General Electric's (GE's) monthly progress report for March 2006 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 Silber or me if you have any questions.

Sincerely,

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

Enclosure

V:\GE\_Pittsfield\_General\Reports and Presentations\Monthly Reports\2006\3-06 CD Monthly\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)  
Jane Rothchild, 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)*

***March 2006***

**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)  
MARCH 2006**

**a. Activities Undertaken/Completed**

- Attended Citizens Coordinating Council (CCC) meetings (March 15 and 30, 2006).
- 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 February 1 through February 28, 2006, are provided in Attachment B to this report.
- GE received a report from Columbia Analytical Services, Inc. titled *NPDES Biomonitoring Report for March 2006*, 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 March 2006. 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 CCC meetings, as appropriate.
- Submit memorandum to EPA and MDEP on procedures for evaluation of sulfide in soil at areas within Site.
- Submit final version of update to *Project Operations Plan (POP)* following EPA review of draft.
- Submit final version of update to *Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP)* following EPA review of draft.

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

No issues

**GENERAL ACTIVITIES  
(cont'd)  
GE-PITTSFIELD/HOUSATONIC RIVER SITE  
(GEC900)  
MARCH 2006**

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

None

**ITEM 1  
PLANT AREA  
20s, 30s, 40s COMPLEXES  
(GEC120)  
MARCH 2006**

**a. Activities Undertaken/Completed**

- Continued concrete crushing/processing and site restoration activities associated with 40s Complex demolition activities.
- Conducted air monitoring for particulates and PCBs in connection with demolition activities in the 40s Complex, as identified in Table 1-1.
- Conducted drum sampling at Building 78 of debris generated from cleanup of a historical spill of elemental mercury in a fourth floor bay in Building 42 as part of demolition activities, as identified in Table 1-1.

**b. Sampling/Test Results Received**

See attached tables.

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

None

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

- Continue concrete crushing/processing and site restoration activities associated with 40s Complex demolition activities.
- Begin construction of crushed material stockpile at 40s Complex (subject to EPA approval).

**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 MARCH 2006**

**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>
Building 78 Drum Sampling	78-Mercury Debris-C1	3/17/06	Solid	SGS	PCB	3/22/06
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/1/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/1/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/1/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/1/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	Background Location	3/1/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/2/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/2/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/2/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/2/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	Background Location	3/2/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/3/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/3/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/3/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/3/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	Background Location	3/3/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/6/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/6/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/6/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/6/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	Background Location	3/6/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/7/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/7/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/7/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/7/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	Background Location	3/7/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/8/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/8/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/8/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/8/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	Background Location	3/8/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/9/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/9/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/9/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/9/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	Background Location	3/9/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/10/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/10/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/10/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/10/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006

**TABLE 1-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**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	3/10/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/13/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/13/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/13/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/13/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	Background Location	3/13/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/14/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/14/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/14/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/14/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	Background Location	3/14/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/15/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/15/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/15/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/15/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	Background Location	3/15/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/16/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/16/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/16/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/16/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	Background Location	3/16/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/17/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/17/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/17/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/17/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	Background Location	3/17/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/20/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/20/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/20/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/20/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	Background Location	3/20/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/21/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/21/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/21/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/21/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	Background Location	3/21/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/22/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/22/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/22/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/22/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006

**TABLE 1-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**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	3/22/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/22/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/23/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/23/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/23/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	Background Location	3/23/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/24/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/24/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/24/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/24/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	Background Location	3/24/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/27/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/27/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/27/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/27/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	Background Location	3/27/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/28/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/28/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/28/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/28/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	Background Location	3/28/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/29/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/29/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/29/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/29/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	Background Location	3/29/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/30/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/30/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/30/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/30/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	Background Location	3/30/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	3/31/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	MC3 - Near Bldgs. 16 & 19	3/31/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/31/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	3/31/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	Background Location	3/31/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
PCB Ambient Air Sampling	Field Blank	3/16 - 3/17/06	Air	Berkshire Environmental	PCB	3/22/2006
PCB Ambient Air Sampling	W3 - West of 40s Complex	3/16 - 3/17/06	Air	Berkshire Environmental	PCB	3/22/2006
PCB Ambient Air Sampling	S2 - Woodlawn Avenue	3/16 - 3/17/06	Air	Berkshire Environmental	PCB	3/22/2006
PCB Ambient Air Sampling	M2 - South of Bldg. 5	3/16 - 3/17/06	Air	Berkshire Environmental	PCB	3/22/2006

**TABLE 1-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**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>
PCB Ambient Air Sampling	M2-CO South of Bldg. 5	3/16 - 3/17/06	Air	Berkshire Environmental	PCB	3/22/2006
PCB Ambient Air Sampling	MC3 - Near Bldgs. 16 & 19	3/16 - 3/17/06	Air	Berkshire Environmental	PCB	3/22/2006
PCB Ambient Air Sampling	MC3-CO Colocated - Near Bldgs. 16 & 19	3/16 - 3/17/06	Air	Berkshire Environmental	PCB	3/22/2006
PCB Ambient Air Sampling	BK3-Background - East of Building 9B	3/16 - 3/17/06	Air	Berkshire Environmental	PCB	3/22/2006

**TABLE 1-2  
PCB DATA RECEIVED DURING MARCH 2006**

**BUILDING 78 DRUM SAMPLING  
20s, 30s, 40s COMPLEX  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Sample ID</b>	<b>Date Collected</b>	<b>Aroclor-1016</b>	<b>Aroclor-1221</b>	<b>Aroclor-1232</b>	<b>Aroclor-1242</b>	<b>Aroclor-1248</b>	<b>Aroclor-1254</b>	<b>Aroclor-1260</b>	<b>Total PCBs</b>
78-MERCURYDEBRIS-C1	3/17/2006	ND(170)	ND(170)	ND(170)	ND(170)	ND(170)	2900	ND(170)	2900

Notes:

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

**TABLE 1-3  
 AMBIENT AIR PCB DATA RECEIVED DURING MARCH 2006**

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

Sampling Event Period	Date Analytical Results Received by BEC, Inc.	Field Blank (µg/PUF)	W3 - West of 40s Complex (µg/m3)	S2 - Woodlawn Avenue (µg/m3)	M2 - South of Bldg. 5 (µg/m3)	M2-CO 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 Bldg. 9B (µg/m3)
3/16 - 3/17/06	3/22/06	ND	0.0011	0.0015	0.0096	0.0087	0.0006	NA <sup>1</sup>	0.0006
Notification Level			0.05	0.05	0.05	0.05	0.05	0.05	0.05

Notes:

ND - Non-Detect

NA - Not Available

<sup>1</sup> The March PCB event for the 40s Complex was run concurrently with a PCB event for Buildings 1, 2, & 3 from March 16-17, 2006. One colocated site (M2) for both projects was used as a precision check.

**TABLE 1-4  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING MARCH 2006**

**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
03/01/06	W3 - West of 40s Complex	0.012*	0.008*	11:00	WNW
	MC3 - Near Bldgs. 16 & 19	0.009*		10:30	
	M2 - South of Bldg. 5	0.015*		10:45	
	S2 - Woodlawn Avenue	0.009*		10:45	
3/2/06	W3 - West of 40s Complex	0.039*	0.025*	10:30	Calm
	MC3 - Near Bldgs. 16 & 19	0.048*		10:00	
	M2 - South of Bldg. 5	0.036*		10:00	
	S2 - Woodlawn Avenue	0.025*		10:00	
3/3/06	W3 - West of 40s Complex	0.030*	0.012*	10:45	WNW
	MC3 - Near Bldgs. 16 & 19	0.025*		10:15	
	M2 - South of Bldg. 5	0.040*		10:30	
	S2 - Woodlawn Avenue	0.016*		10:15	
3/6/06	W3 - West of 40s Complex	0.015*	0.006*	11:00	NNW
	MC3 - Near Bldgs. 16 & 19	0.010*		10:45	
	M2 - South of Bldg. 5	0.009*		10:45	
	S2 - Woodlawn Avenue	0.008*		10:45	
3/7/06	W3 - West of 40s Complex	0.028*	0.014*	11:00	NNW
	MC3 - Near Bldgs. 16 & 19	0.025*		10:30	
	M2 - South of Bldg. 5	0.029*		10:45	
	S2 - Woodlawn Avenue	0.014*		10:45	
3/8/06	W3 - West of 40s Complex	0.027*	0.016*	11:15	WSW
	MC3 - Near Bldgs. 16 & 19	0.029*		11:00	
	M2 - South of Bldg. 5	0.023*		11:00	
	S2 - Woodlawn Avenue	0.014*		11:00	
3/9/06	W3 - West of 40s Complex	0.049*	0.030*	11:00	Variable
	MC3 - Near Bldgs. 16 & 19	0.034*		10:45	
	M2 - South of Bldg. 5	0.041*		10:45	
	S2 - Woodlawn Avenue	0.029*		10:30	
3/10/06	W3 - West of 40s Complex	0.039*	0.025*	11:30	SSW
	MC3 - Near Bldgs. 16 & 19	0.031*		11:15	
	M2 - South of Bldg. 5	0.038*		11:00	
	S2 - Woodlawn Avenue	0.033*		11:15	
3/13/06	W3 - West of 40s Complex	0.056*	0.049*	11:30	Calm
	MC3 - Near Bldgs. 16 & 19	0.061*		11:00	
	M2 - South of Bldg. 5	0.068*		11:15	
	S2 - Woodlawn Avenue	0.058*		11:15	
3/14/06	W3 - West of 40s Complex	0.015*	0.007*	10:30	WNW
	MC3 - Near Bldgs. 16 & 19	0.006*		10:45	
	M2 - South of Bldg. 5	0.019*		11:00	
	S2 - Woodlawn Avenue	0.014*		10:30	
3/15/06	W3 - West of 40s Complex	0.009*	0.008*	11:00	WNW
	MC3 - Near Bldgs. 16 & 19	0.005*		10:45	
	M2 - South of Bldg. 5	0.014*		10:45	
	S2 - Woodlawn Avenue	0.005*		10:30	

**TABLE 1-4  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING MARCH 2006<sup>4</sup>**

**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
3/16/06	W3 - West of 40s Complex	0.068	0.005*	10:30	WNW
	MC3 - Near Bldgs. 16 & 19	0.008*		11:00	
	M2 - South of Bldg. 5	0.017*		10:30	
	S2 - Woodlawn Avenue	0.007*		11:15	
3/17/06	W3 - West of 40s Complex	0.017	0.006*	8:30 <sup>3</sup>	WNW
	MC3 - Near Bldgs. 16 & 19	0.009*		11:00	
	M2 - South of Bldg. 5	0.022*		11:00	
	S2 - Woodlawn Avenue	0.008* <sup>4</sup>		11:00 <sup>5</sup>	
3/20/06	W3 - West of 40s Complex	0.020	0.018	8:45 <sup>3</sup>	WNW
	MC3 - Near Bldgs. 16 & 19	0.015*		11:00	
	M2 - South of Bldg. 5	0.049*		10:45	
	S2 - Woodlawn Avenue	0.020*		10:45	
3/21/06	W3 - West of 40s Complex	0.023	0.012*	10:45	WNW
	MC3 - Near Bldgs. 16 & 19	0.014*		10:30	
	M2 - South of Bldg. 5	0.020*		10:30	
	S2 - Woodlawn Avenue	0.012*		10:45	
3/22/06	W3 - West of 40s Complex	0.017	0.008*	11:30	WNW
	MC3 - Near Bldgs. 16 & 19	0.012*		11:00	
	M2 - South of Bldg. 5	0.019*		11:00	
	S2 - Woodlawn Avenue	0.010*		11:15	
3/23/06	W3 - West of 40s Complex	0.015	0.007	10:00	NNW
	MC3 - Near Bldgs. 16 & 19	0.009*		10:15	
	M2 - South of Bldg. 5	0.014*		11:00	
	S2 - Woodlawn Avenue	0.007*		6:19 <sup>6</sup>	
3/24/06	W3 - West of 40s Complex	0.030	0.012*	10:15	Calm
	MC3 - Near Bldgs. 16 & 19	0.013*		10:45	
	M2 - South of Bldg. 5	0.013*		10:45	
	S2 - Woodlawn Avenue	0.009*		9:45	
3/27/06	W3 - West of 40s Complex	0.013 <sup>7</sup>	0.006 <sup>7</sup>	11:15	WNW
	MC3 - Near Bldgs. 16 & 19	0.008*		11:15	
	M2 - South of Bldg. 5	0.012*		11:15	
	S2 - Woodlawn Avenue	0.008*		11:00	
3/28/06	W3 - West of 40s Complex	0.018*	0.011*	11:30	Calm
	MC3 - Near Bldgs. 16 & 19	0.015*		11:15	
	M2 - South of Bldg. 5	0.012*		11:15	
	S2 - Woodlawn Avenue	0.009*		11:15	
3/29/06	W3 - West of 40s Complex	0.032*	0.014*	11:30	NNW
	MC3 - Near Bldgs. 16 & 19	0.021*		11:15	
	M2 - South of Bldg. 5	0.020*		11:15	
	S2 - Woodlawn Avenue	0.012*		11:15	



**TABLE 1-4  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING MARCH 2006<sup>1</sup>**

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

<b>Sampling Date<sup>2</sup></b>	<b>Sampler Location</b>	<b>Average Site Concentration (mg/m<sup>3</sup>)</b>	<b>Background Site Concentration (mg/m<sup>3</sup>)</b>	<b>Average Period (Hours:Min)</b>	<b>Predominant Wind Direction</b>
3/30/06	W3 - West of 40s Complex	0.041*	0.019*	10:45	Variable
	MC3 - Near Bldgs. 16 & 19	0.028*		11:15	
	M2 - South of Bldg. 5	0.026*		11:15	
	S2 - Woodlawn Avenue	0.015*		10:00	
3/31/06	W3 - West of 40s Complex	0.064*	0.043*	10:30	SSW
	MC3 - Near Bldgs. 16 & 19	0.055*		10:45	
	M2 - South of Bldg. 5	0.051*		11:15	
	S2 - Woodlawn Avenue	0.029*		11:30	
Notification Level		0.120			

**Notes:**

\* Measured with a DR-2000 or DR-4000. All others measured with a 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 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 technician error.

<sup>7</sup> Represents data from a pDR-1000 and DR-4000.

**ITEM 2  
PLANT AREA  
EAST STREET AREA 2-SOUTH  
(GEC150)  
MARCH 2006**

**a. Activities Undertaken/Completed**

- Conducted filter press wipe sampling, liquid-phase carbon sampling, and Liquid-Phase Carbon Absorption (LPCA) sampling of water at Building 64G, as identified in Table 2-1.
- Conducted sampling of sludge and filter cake at Building 64T, as identified in Table 2-1.
- Conducted drum sampling at Building 78 (for PCBs) of oil from Building 64G forklift maintenance and air compressor, oil/water mixture from Building 64G air compressor, and oil from emergency generator maintenance located outside Building 64T, as identified in Table 2-1.

**b. Sampling/Test Results Received**

See attached tables.

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

None

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

- Continue routine process sampling at Buildings 64G and/or 64T.
- Discuss with EPA and MDEP the draft Grant of Environmental Restriction and Easement (ERE) and survey plans for the City Recreational Area, and then revise and re-submit those documents.\*

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

No issues

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

None

**TABLE 2-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**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 Filter Press Wipe Sampling	64G-FP-Side-W2	3/1/06	Wipe	SGS	PCB	3/6/06
Building 64G Filter Press Wipe Sampling	64G-FP-Top-W1	3/1/06	Wipe	SGS	PCB	3/6/06
Building 64G Filter Press Wipe Sampling	64G-FP-Tray-W3	3/1/06	Wipe	SGS	PCB	3/6/06
Building 64G Liquid Phase Carbon Sampling	64G-LPC-C1	3/16/06	Carbon	SGS	PCB, VOC, SVOC, Total Metals, CN, TCLP Constituents	3/22/06
Building 64G LPCA Monitoring	C6-64G-01	3/21/06	Water	Columbia	VOC	3/30/06
Building 64G LPCA Monitoring	C6-64G-02	3/21/06	Water	Columbia	SVOC	3/30/06
Building 64G LPCA Monitoring	C6-64G-03	3/21/06	Water	SGS	PCB	3/28/06
Building 64G LPCA Monitoring	C6-64G-04	3/21/06	Water	Columbia	Oil & Grease	3/30/06
Building 64G LPCA Monitoring	C6-64G-05	3/21/06	Water	Columbia	VOC	3/30/06
Building 64G LPCA Monitoring	C6-64G-06	3/21/06	Water	Columbia	SVOC	3/30/06
Building 64G LPCA Monitoring	C6-64G-07	3/21/06	Water	SGS	PCB	3/28/06
Building 64G LPCA Monitoring	C6-64G-08	3/21/06	Water	Columbia	Oil & Grease	3/30/06
Building 64G LPCA Monitoring	C6-64G-09	3/21/06	Water	Columbia	VOC	3/30/06
Building 64G LPCA Monitoring	C6-64G-10	3/21/06	Water	Columbia	SVOC	3/30/06
Building 64G LPCA Monitoring	C6-64G-11	3/21/06	Water	SGS	PCB	3/28/06
Building 64G LPCA Monitoring	C6-64G-12	3/21/06	Water	Columbia	Oil & Grease	3/30/06
Building 64G LPCA Monitoring	C6-64G-13	3/21/06	Water	Columbia	VOC	3/30/06
Building 64G LPCA Monitoring	C6-64G-14	3/21/06	Water	Columbia	SVOC	3/30/06
Building 64G LPCA Monitoring	C6-64G-15	3/21/06	Water	SGS	PCB	3/28/06
Building 64G LPCA Monitoring	C6-64G-16	3/21/06	Water	Columbia	Oil & Grease	3/30/06
Building 64T Filtercake Sampling	64T-FILTERCAKE-TCLP-1	2/23/06	Solid	SGS	PCB, TCLP	3/3/06
Building 64T Sludge Sampling	B6-64T-01	2/23/06	Liquid	SGS	Total Solids	3/3/06
Building 64T Sludge Sampling	B6-64T-02	2/23/06	Liquid	SGS	Total Solids	3/3/06
Building 64T Sludge Sampling	B6-64T-03	2/24/06	Liquid	SGS	Total Solids	3/3/06
Building 64T Sludge Sampling	B6-64T-04	2/24/06	Liquid	SGS	Total Solids	3/3/06
Building 64T Sludge Sampling	B6-64T-05	2/24/06	Liquid	SGS	Total Solids	3/3/06
Building 64T Sludge Sampling	B6-64T-06	2/23/06	Solid	SGS	PCB	3/3/06
Building 64T Sludge Sampling	B6-64T-07	2/24/06	Solid	SGS	PCB	3/3/06
Building 64T Sludge Sampling	B6-64T-08	2/24/06	Solid	SGS	PCB	3/3/06
Building 64T Sludge Sampling	B6-64T-09	2/24/06	Solid	SGS	PCB	3/3/06
Building 78 Drum Sampling	Bldg64-CompressorOil-1	3/3/06	Oil/Water	SGS	PCB	3/21/06
Building 78 Drum Sampling	Bldg64-ForkliftOil-1	3/6/06	Oil	SGS	PCB	3/21/06
Building 78 Drum Sampling	C1260-1	3/3/06	Oil	SGS	PCB	3/21/06
Building 78 Drum Sampling	F1766-1	3/3/06	Oil	SGS	PCB	3/21/06

**TABLE 2-2  
DATA RECEIVED DURING MARCH 2006**

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

Parameter	Sample ID: Matrix: Date Collected:	B6-64T-01 Liquid 02/23/06	B6-64T-02 Liquid 02/23/06	B6-64T-03 Liquid 02/24/06	B6-64T-04 Liquid 02/24/06	B6-64T-05 Liquid 02/24/06	B6-64T-06 Solid 02/23/06	B6-64T-07 Solid 02/24/06	B6-64T-08 Solid 02/24/06	B6-64T-09 Solid 02/24/06
<b>Total Solids</b>										
Total Solids (Residue)		6400	14000	11000	6600	12000	NA	NA	NA	NA
<b>PCBs</b>										
Aroclor-1254		NA	NA	NA	NA	NA	110	140	130	58
Aroclor-1260		NA	NA	NA	NA	NA	100	130	90	40
Total PCBs		NA	NA	NA	NA	NA	210	270	220	98

Notes:

1. Samples were collected by General Electric Company and submitted to SGS Environmental Services, Inc. for analysis of PCBs and Total Solids.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
3. NA - Not Analyzed.
4. Solid matrix samples are presented in dry weight.

**TABLE 2-3  
PCB DATA RECEIVED DURING MARCH 2006**

**BUILDING 64T FILTER CAKE SAMPLING  
EAST STREET AREA 2 - SOUTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

<b>Sample ID</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>
64T-FILTER CAKE-TCLP-1	2/23/2006	ND(2.5)	58	55	113

Notes:

1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs and TCLP constituents.
2. Please refer to Table 2-4 for a summary of TCLP constituents.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

**TABLE 2-4  
TCLP DATA RECEIVED DURING MARCH 2006**

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

<b>Parameter</b>	<b>Sample ID: Date Collected:</b>	<b>TCLP Regulatory Limits</b>	<b>64T-FILTER CAKE-TCLP-1 2/23/2006</b>
<b>Volatile Organics</b>			
1,1-Dichloroethene		0.7	ND(0.10)
1,2-Dichloroethane		0.5	ND(0.10)
2-Butanone		200	ND(0.20)
Benzene		0.5	ND(0.10)
Carbon Tetrachloride		0.5	ND(0.10)
Chlorobenzene		100	ND(0.10)
Chloroform		6	ND(0.10)
Tetrachloroethene		0.7	ND(0.10)
Trichloroethene		0.5	ND(0.10)
Vinyl Chloride		0.2	ND(0.10)
<b>Semivolatile Organics</b>			
1,4-Dichlorobenzene		7.5	ND(0.050)
2,4,5-Trichlorophenol		400	ND(0.050)
2,4,6-Trichlorophenol		2	ND(0.050)
2,4-Dinitrotoluene		0.13	ND(0.050)
Cresol		200	ND(0.050)
Hexachlorobenzene		0.13	ND(0.050)
Hexachlorobutadiene		0.5	ND(0.050)
Hexachloroethane		3	ND(0.050)
Nitrobenzene		2	ND(0.050)
Pentachlorophenol		100	ND(0.050)
Pyridine		5	ND(0.050)
<b>Inorganics</b>			
Arsenic		5	ND(0.100)
Barium		100	5.80
Cadmium		1	0.00160 B
Chromium		5	0.0130 B
Lead		5	0.0120 B
Mercury		0.2	ND(0.00200)
Selenium		1	0.00830 B
Silver		5	0.00670 B

Notes:

1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs and TCLP constituents.
2. Please refer to Table 2-3 for a summary of PCBs.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

Data Qualifiers:

Inorganics

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

**TABLE 2-5**  
**PCB DATA RECEIVED DURING MARCH 2006**  
**BUILDING 64G FILTER PRESS WIPE SAMPLING**  
**EAST STREET AREA 2 - SOUTH**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(Results are presented in  $\mu\text{g}/100\text{cm}^2$ )

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
64G-FP-SIDE-W2	3/1/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
64G-FP-TOP-W1	3/1/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
64G-FP-TRAY-W3	3/1/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

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 parenthesis is the associated detection limit.

**TABLE 2-6  
PCB DATA RECEIVED DURING MARCH 2006**

**BUILDING 78 DRUM SAMPLING  
EAST STREET AREA 2 - SOUTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Sample ID</b>	<b>Date Collected</b>	<b>Aroclor-1016</b>	<b>Aroclor-1221</b>	<b>Aroclor-1232</b>	<b>Aroclor-1242</b>	<b>Aroclor-1248</b>	<b>Aroclor-1254</b>	<b>Aroclor-1260</b>	<b>Total PCBs</b>
BLDG64-COMPRESSOROIL-1	3/3/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG64-FORKLIFTOIL-1	3/6/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
C1260-1	3/3/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
F1766-1	3/3/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

- 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 parenthesis is the associated detection limit.



**TABLE 2-7  
DATA RECEIVED DURING MARCH 2006**

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

Parameter	Sample ID: Date Collected:	64G-LPC-C1 03/16/06
<b>Volatile Organics</b>		
1,1,1-Trichloroethane		12
1,1-Dichloroethane		11
1,1-Dichloroethene		0.44
Benzene		1.8
Carbon Tetrachloride		0.33
Chlorobenzene		8.7
Chloroform		6.3
Ethylbenzene		2.4
trans-1,2-Dichloroethene		0.67
Trichloroethene		2.8
Vinyl Chloride		1.6
Xylenes (total)		3.1
<b>PCBs</b>		
Aroclor-1254		0.73
Aroclor-1260		0.38
Total PCBs		1.11
<b>Semivolatile Organics</b>		
1,2,4-Trichlorobenzene		2.2
1,2-Dichlorobenzene		0.14 J
1,3-Dichlorobenzene		5.5
1,4-Dichlorobenzene		7.6
2-Methylnaphthalene		0.27 J
Acenaphthene		2.1
Acenaphthylene		0.17 J
Acetophenone		1.2
Fluorene		0.17 J
Naphthalene		2.3
<b>Inorganics</b>		
Arsenic		8.20
Barium		280
Chromium		4.40
Cyanide		15.0
Lead		0.530 B
Selenium		0.890
Silver		0.330 B

Notes:

1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles, metals, cyanide, and TCLP constituents.
2. Please refer to Table 2-8 for a summary of TCLP constituents.
3. Only detected constituents are summarized.

Data Qualifiers:

Organics (PCBs, volatiles, semivolatiles)

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

Inorganics

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

**TABLE 2-8  
TCLP DATA RECEIVED DURING MARCH 2006**

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

Parameter	Sample ID: Date Collected:	TCLP Regulatory Limits	64G-LPC-C1 3/16/2006
<b>Volatile Organics</b>			
1,1-Dichloroethene		0.7	ND(0.10)
1,2-Dichloroethane		0.5	ND(0.10)
2-Butanone		200	ND(0.20)
Benzene		0.5	ND(0.10)
Carbon Tetrachloride		0.5	ND(0.10)
Chlorobenzene		100	ND(0.10)
Chloroform		6	ND(0.10)
Tetrachloroethene		0.7	ND(0.10)
Trichloroethene		0.5	ND(0.10)
Vinyl Chloride		0.2	ND(0.10)
<b>Semivolatile Organics</b>			
1,4-Dichlorobenzene		7.5	ND(0.050)
2,4,5-Trichlorophenol		400	ND(0.050)
2,4,6-Trichlorophenol		2	ND(0.050)
2,4-Dinitrotoluene		0.13	ND(0.050)
Cresol		200	ND(0.050)
Hexachlorobenzene		0.13	ND(0.050)
Hexachlorobutadiene		0.5	ND(0.050)
Hexachloroethane		3	ND(0.050)
Nitrobenzene		2	ND(0.050)
Pentachlorophenol		100	ND(0.050)
Pyridine		5	ND(0.050)
<b>Inorganics</b>			
Arsenic		5	ND(0.100)
Barium		100	2.60
Cadmium		1	ND(0.0200)
Chromium		5	0.00410 B
Lead		5	0.00250 B
Mercury		0.2	ND(0.00200)
Selenium		1	0.00780 B
Silver		5	0.00200 B

Notes:

1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles, metals, cyanide, and TCLP constituents.
2. Please refer to Table 2-7 for a summary of PCBs, volatiles, semivolatiles, and metals.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

Data Qualifiers:

Inorganics

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

TABLE 2-9  
DATA RECEIVED DURING MARCH 2006

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:	C6-64G-01 03/21/06	C6-64G-02 03/21/06	C6-64G-03 03/21/06	C6-64G-04 03/21/06	C6-64G-05 03/21/06	C6-64G-06 03/21/06	C6-64G-07 03/21/06	C6-64G-08 03/21/06
<b>Volatile Organics</b>									
1,1,1-Trichloroethane		0.0020	NA	NA	NA	0.0019	NA	NA	NA
1,1-Dichloroethane		0.0013	NA	NA	NA	0.0018	NA	NA	NA
Benzene		0.035	NA	NA	NA	0.0025	NA	NA	NA
Chlorobenzene		0.18	NA	NA	NA	0.0068	NA	NA	NA
Chloroethane		0.00075	NA	NA	NA	0.00074	NA	NA	NA
Chloroform		0.00048	NA	NA	NA	0.00052	NA	NA	NA
Ethylbenzene		0.059	NA	NA	NA	0.0023	NA	NA	NA
Methylene Chloride		0.00069 B	NA	NA	NA	0.00083 B	NA	NA	NA
Toluene		0.0022	NA	NA	NA	ND(0.00028)	NA	NA	NA
Trichloroethene		ND(0.00040)	NA	NA	NA	ND(0.00040)	NA	NA	NA
Vinyl Chloride		0.0034	NA	NA	NA	0.0018	NA	NA	NA
<b>PCBs-Unfiltered</b>									
None Detected		NA	NA	--	NA	NA	NA	--	NA
<b>Semivolatile Organics</b>									
1,2,4-Trichlorobenzene		NA	0.0028 J	NA	NA	NA	ND(0.0051)	NA	NA
1,3-Dichlorobenzene		NA	0.0044 J	NA	NA	NA	ND(0.0051)	NA	NA
1,4-Dichlorobenzene		NA	0.0085	NA	NA	NA	ND(0.0051)	NA	NA
2,4-Dimethylphenol		NA	0.0032 J	NA	NA	NA	ND(0.0051)	NA	NA
2-Chlorophenol		NA	0.0014 J	NA	NA	NA	ND(0.0051)	NA	NA
Acenaphthene		NA	0.038	NA	NA	NA	ND(0.0051)	NA	NA
Acenaphthylene		NA	0.0014 J	NA	NA	NA	ND(0.0051)	NA	NA
Anthracene		NA	0.0017 J	NA	NA	NA	ND(0.0051)	NA	NA
Fluoranthene		NA	0.0015 J	NA	NA	NA	ND(0.0051)	NA	NA
Fluorene		NA	0.0064	NA	NA	NA	ND(0.0051)	NA	NA
Naphthalene		NA	0.046	NA	NA	NA	ND(0.0051)	NA	NA
Phenanthrene		NA	0.0034 J	NA	NA	NA	ND(0.0051)	NA	NA
Phenol		NA	0.0017 J	NA	NA	NA	ND(0.0051)	NA	NA
Pyrene		NA	0.0015 J	NA	NA	NA	ND(0.0051)	NA	NA
<b>Conventionals</b>									
Oil & Grease		NA	NA	NA	ND(5.3)	NA	NA	NA	ND(5.3)

TABLE 2-9  
DATA RECEIVED DURING MARCH 2006

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:	C6-64G-09 03/21/06	C6-64G-10 03/21/06	C6-64G-11 03/21/06	C6-64G-12 03/21/06	C6-64G-13 03/21/06	C6-64G-14 03/21/06	C6-64G-15 03/21/06	C6-64G-16 03/21/06
<b>Volatile Organics</b>									
1,1,1-Trichloroethane		0.0018	NA	NA	NA	0.0020	NA	NA	NA
1,1-Dichloroethane		0.0020	NA	NA	NA	0.0013	NA	NA	NA
Benzene		ND(0.00021)	NA	NA	NA	0.036	NA	NA	NA
Chlorobenzene		ND(0.00022)	NA	NA	NA	0.18	NA	NA	NA
Chloroethane		0.00078	NA	NA	NA	0.00059	NA	NA	NA
Chloroform		0.00067	NA	NA	NA	0.00049	NA	NA	NA
Ethylbenzene		ND(0.00035)	NA	NA	NA	0.060	NA	NA	NA
Methylene Chloride		0.00069 B	NA	NA	NA	0.00080 B	NA	NA	NA
Toluene		ND(0.00028)	NA	NA	NA	0.0021	NA	NA	NA
Trichloroethene		ND(0.00040)	NA	NA	NA	0.00044	NA	NA	NA
Vinyl Chloride		0.00071	NA	NA	NA	0.0035	NA	NA	NA
<b>PCBs-Unfiltered</b>									
None Detected		NA	NA	--	NA	NA	NA	--	NA
<b>Semivolatile Organics</b>									
1,2,4-Trichlorobenzene		NA	ND(0.0051)	NA	NA	NA	ND(0.0051)	NA	NA
1,3-Dichlorobenzene		NA	ND(0.0051)	NA	NA	NA	ND(0.0051)	NA	NA
1,4-Dichlorobenzene		NA	ND(0.0051)	NA	NA	NA	ND(0.0051)	NA	NA
2,4-Dimethylphenol		NA	ND(0.0051)	NA	NA	NA	ND(0.0051)	NA	NA
2-Chlorophenol		NA	ND(0.0051)	NA	NA	NA	ND(0.0051)	NA	NA
Acenaphthene		NA	ND(0.0051)	NA	NA	NA	ND(0.0051)	NA	NA
Acenaphthylene		NA	ND(0.0051)	NA	NA	NA	ND(0.0051)	NA	NA
Anthracene		NA	ND(0.0051)	NA	NA	NA	ND(0.0051)	NA	NA
Fluoranthene		NA	ND(0.0051)	NA	NA	NA	ND(0.0051)	NA	NA
Fluorene		NA	ND(0.0051)	NA	NA	NA	ND(0.0051)	NA	NA
Naphthalene		NA	ND(0.0051)	NA	NA	NA	ND(0.0051)	NA	NA
Phenanthrene		NA	ND(0.0051)	NA	NA	NA	ND(0.0051)	NA	NA
Phenol		NA	ND(0.0051)	NA	NA	NA	ND(0.0051)	NA	NA
Pyrene		NA	ND(0.0051)	NA	NA	NA	ND(0.0051)	NA	NA
<b>Conventionals</b>									
Oil & Grease		NA	NA	NA	ND(5.3)	NA	NA	NA	ND(5.3)

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 parenthesis is the associated detection limit.
4. With the exception of conventional parameters, only those constituents detected in one or more samples are summarized.
5. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)

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

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

**ITEM 3  
PLANT AREA  
EAST STREET AREA 2-NORTH  
(GEC140)  
MARCH 2006**

**a. Activities Undertaken/Completed**

- Continued above-grade demolition activities at Buildings 1, 2, 3, and 3B, and associated annexes (Buildings 1A and 100 Annex).
- Conducted air monitoring for particulate matter and PCBs in connection with above-mentioned demolition activities, as identified in Table 3-1.
- Initiated asbestos removal activities at Buildings 7, 17, 17C, and 19.
- Initiated equipment/liquids removal activities at Buildings 7, 17, 17C, and 19.
- Conducted pre-demolition building material characterization sampling at Buildings 7, 17, 17C, and 19, as identified in Table 3-1.
- Conducted drum sampling at Building 78 of liquid taken from Building 2 & 3 product lines, oil from pail in Building 9B, oil from Building 11 elevator piston, and decontamination water from on- and off-site activities, as identified in Table 3-1.
- Conducted wipe sampling of equipment used for the demolition of Buildings 1, 2, and 3, as identified in Table 3-1.

**b. Sampling/Test Results Received**

See attached tables.

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

Submitted notification of air monitoring station locations for the upcoming building demolition and site restoration program to be conducted at Buildings 7, 17, 17C, and 19 (March 27, 2006).

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

- Continue demolition of Buildings 1, 2, 3, and 3B, and associated annexes (Buildings 1A and 100 Annex).
- Submit Addendum to the Conceptual Removal Design/Removal Action (RD/RA) Work Plan (due April 17, 2005).\*
- Continue the asbestos removal program at Buildings 7, 17, 17C, and 19.

**ITEM 3  
(cont'd)  
PLANT AREA  
EAST STREET AREA 2-NORTH  
(GEC140)  
MARCH 2006**

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

- Continue the equipment/liquids removal program at Buildings 7, 17, 17C, and 19.
- Submit letter to EPA presenting analytical results of pre-demolition building material characterization samples collected at Buildings 7, 17, 17C, and 19, along with supporting evaluations and proposed waste stream destinations.
- Issue Request for Proposal for the upcoming building demolition and site restoration program to be conducted at Buildings 7, 17, 17C, and 19.

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

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**

None

**TABLE 3-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**EAST STREET AREA 2 - NORTH  
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>
Building 78 Drum Sampling	A2568-1	3/17/06	NA	Liquid	SGS	PCB, Flashpoint	3/22/06
Building 78 Drum Sampling	A2569-1	3/17/06	NA	Liquid	SGS	PCB, Flashpoint	3/22/06
Building 78 Drum Sampling	A2709-1	3/17/06	NA	Liquid	SGS	PCB, Flashpoint	3/22/06
Building 78 Drum Sampling	Bldg11-ElevatorOil-1	3/6/06	NA	Oil	SGS	PCB	3/21/06
Building 78 Drum Sampling	C1308-1	3/3/06	NA	Oil	SGS	PCB	3/21/06
Building 78 Drum Sampling	F1955-1	3/6/06	NA	Water	SGS	PCB	3/27/06
Conceptual RD/RA Work Plan Addendum	DUP-RAA5-BLDG15-1 (RAA5-C4)	2/23/06	1-6	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	DUP-RAA5-BLDG15-1 (RAA5-C4)	2/23/06	1-6	Soil	SGS	SVOC, Inorganics, Benzidine, 2 Chloroethyl Vinyl Ether, 1,2 DiphenylHydrazine	3/6/06
Conceptual RD/RA Work Plan Addendum	DUP-RAA5-BLDG15-2 (RAA5-C4)	2/23/06	4-6	Soil	SGS	VOC	3/6/06
Conceptual RD/RA Work Plan Addendum	RAA5-C3	2/22/06	0-1	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	RAA5-C3	2/22/06	1-6	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	RAA5-C3	2/22/06	6-15	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	RAA5-C4	2/23/06	0-1	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	RAA5-C4	2/23/06	1-6	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	RAA5-C4	2/23/06	6-10	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	RAA5-C4	2/23/06	1-6	Soil	SGS	SVOC, Inorganics, Benzidine, 2 Chloroethyl Vinyl Ether, 1,2 DiphenylHydrazine	3/6/06
Conceptual RD/RA Work Plan Addendum	RAA5-C4	2/23/06	4-6	Soil	SGS	VOC	3/6/06
Conceptual RD/RA Work Plan Addendum	RAA5-C4	2/23/06	0-1	Soil	SGS	VOC, SVOC, Inorganics, Benzidine, 2 Chloroethyl Vinyl Ether, 1,2 DiphenylHydrazine	3/6/06
Conceptual RD/RA Work Plan Addendum	RAA5-D4	2/23/06	0-1	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	RAA5-D4	2/23/06	1-6	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	RAA5-D4	2/23/06	6-15	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	RAA5-D6	2/22/06	0-1	Soil	SGS	PCB	3/3/06

**TABLE 3-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**EAST STREET AREA 2 - NORTH  
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>
Conceptual RD/RA Work Plan Addendum	RAA5-D6	2/22/06	1-6	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	RAA5-D6	2/22/06	6-15	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	RAA5-D6	2/22/06	6-15	Soil	SGS	SVOC, Inorganics, Benzidine, 2 Chloroethyl Vinyl Ether, 1,2 DiphenylHydrazine	3/6/06
Conceptual RD/RA Work Plan Addendum	RAA5-D6	2/22/06	8-10	Soil	SGS	VOC	3/6/06
Conceptual RD/RA Work Plan Addendum	RAA5-D6	2/22/06	0-1	Soil	SGS	VOC, SVOC, Inorganics, Benzidine, 2 Chloroethyl Vinyl Ether, 1,2 DiphenylHydrazine	3/6/06
Conceptual RD/RA Work Plan Addendum	RAA5-D8	2/22/06	0-1	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	RAA5-D8	2/22/06	1-6	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	RAA5-D8	2/22/06	6-15	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	RAA5-D8	2/22/06	1-6	Soil	SGS	SVOC, Inorganics, Benzidine, 2 Chloroethyl Vinyl Ether, 1,2 DiphenylHydrazine	3/6/06
Conceptual RD/RA Work Plan Addendum	RAA5-D8	2/22/06	4-6	Soil	SGS	VOC	3/6/06
Conceptual RD/RA Work Plan Addendum	RAA5-D8	2/22/06	0-1	Soil	SGS	VOC, SVOC, Inorganics, Benzidine, 2 Chloroethyl Vinyl Ether, 1,2 DiphenylHydrazine	3/6/06
Conceptual RD/RA Work Plan Addendum	RAA5-E7	2/22/06	0-1	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	RAA5-E7	2/22/06	1-6	Soil	SGS	PCB	3/3/06
Conceptual RD/RA Work Plan Addendum	RAA5-E7	2/22/06	6-15	Soil	SGS	PCB	3/3/06
SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe	SABRE-BOBCAT-W1	3/31/06	NA	Wipe	SGS	PCB	
SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe	SABRE-BOBCAT-W2	3/31/06	NA	Wipe	SGS	PCB	
SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe	SABRE-BOBCAT-W3	3/31/06	NA	Wipe	SGS	PCB	
SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe	SABRE-KOMATSU-W1	3/31/06	NA	Wipe	SGS	PCB	
SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe	SABRE-KOMATSU-W2	3/31/06	NA	Wipe	SGS	PCB	
SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe	SABRE-KOMATSU-W3	3/31/06	NA	Wipe	SGS	PCB	
SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe	SABRE-LOADER-W1	3/31/06	NA	Wipe	SGS	PCB	



**TABLE 3-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**EAST STREET AREA 2 - NORTH  
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>
SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe	SABRE-LOADER-W2	3/31/06	NA	Wipe	SGS	PCB	
SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe	SABRE-LOADER-W3	3/31/06	NA	Wipe	SGS	PCB	
Supplemental Building Material Characterization Activities	BC-17-1N-1	3/1/06	NA	Brick	SGS	VOC, SVOC, Metals	3/16/06
Supplemental Building Material Characterization Activities	BC-17-1N-3	3/1/06	NA	Brick	SGS	VOC, SVOC, Metals	3/16/06
Supplemental Building Material Characterization Activities	BC-17-1N-5	3/1/06	NA	Brick	SGS	VOC, SVOC, Metals	3/16/06
Supplemental Building Material Characterization Activities	BC-17-1S-2	3/1/06	NA	Brick	SGS	VOC, SVOC, Metals	3/16/06
Supplemental Building Material Characterization Activities	BC-17-1S-4	3/1/06	NA	Brick	SGS	VOC, SVOC, Metals	3/16/06
Supplemental Building Material Characterization Activities	BC-17-1S-6	3/1/06	NA	Concrete	SGS	PCB	3/16/06
Supplemental Building Material Characterization Activities	BC-17-1S-7	3/1/06	NA	Concrete	SGS	PCB	3/16/06
Supplemental Building Material Characterization Activities	BC-17-1S-8	3/1/06	NA	Concrete	SGS	PCB	3/16/06
Supplemental Building Material Characterization Activities	BC-17-1S-9	3/1/06	NA	Concrete	SGS	PCB	3/16/06
Supplemental Building Material Characterization Activities	BC-17-Bay12:13-Wall-W3	3/1/06	NA	Wipe	SGS	PCB	3/16/06
Supplemental Building Material Characterization Activities	BC-17-Bay12:13-Wall-W4	3/1/06	NA	Wipe	SGS	PCB	3/16/06
Supplemental Building Material Characterization Activities	BC-17-Bay27:28-Wall-W1	3/1/06	NA	Wipe	SGS	PCB	3/16/06
Supplemental Building Material Characterization Activities	BC-17-Bay27:28-Wall-W2	3/1/06	NA	Wipe	SGS	PCB	3/16/06
Supplemental Building Material Characterization Activities	BC-17C-1E-3	3/1/06	NA	Brick	SGS	PCB, VOC, SVOC, Metals	3/16/06
Supplemental Building Material Characterization Activities	BC-17C-1N-2	3/1/06	NA	Brick	SGS	PCB, VOC, SVOC, Metals	3/16/06
Supplemental Building Material Characterization Activities	BC-17C-1W-1	3/1/06	NA	Brick	SGS	PCB, VOC, SVOC, Metals	3/16/06
Supplemental Building Material Characterization Activities	BC-17C-2N-5	3/1/06	NA	Brick	SGS	PCB, VOC, SVOC, Metals	3/16/06
Supplemental Building Material Characterization Activities	BC-17C-2S-4	3/1/06	NA	Brick	SGS	PCB, VOC, SVOC, Metals	3/16/06
Supplemental Building Material Characterization Activities	BC-19-1E-1	3/2/06	NA	Brick	SGS	PCB	3/17/06
Supplemental Building Material Characterization Activities	BC-19-1E-2	3/2/06	NA	Brick	SGS	PCB	3/17/06
Supplemental Building Material Characterization Activities	BC-19-1N-3	3/2/06	NA	Brick	SGS	VOC, SVOC, Metals	3/17/06
Supplemental Building Material Characterization Activities	BC-19-1W-4	3/2/06	NA	Brick	SGS	VOC, SVOC, Metals	3/17/06

**TABLE 3-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**EAST STREET AREA 2 - NORTH  
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>
Supplemental Building Material Characterization Activities	BC-19-1W-5	3/2/06	NA	Brick	SGS	VOC, SVOC, Metals	3/17/06
Supplemental Building Material Characterization Activities	BC-19-2E-6	3/2/06	NA	Brick	SGS	VOC, SVOC, Metals	3/17/06
Supplemental Building Material Characterization Activities	BC-19-2N-8	3/2/06	NA	Brick	SGS	VOC, SVOC, Metals	3/17/06
Supplemental Building Material Characterization Activities	BC-19-2W-7	3/2/06	NA	Brick	SGS	VOC, SVOC, Metals	3/17/06
Supplemental Building Material Characterization Activities	BC-19-3W-9	3/2/06	NA	Brick	SGS	VOC, SVOC, Metals	3/17/06
Supplemental Building Material Characterization Activities	BC-19-CE3-North-W1	3/2/06	NA	Wipe	SGS	PCB	3/17/06
Supplemental Building Material Characterization Activities	BC-19-CE3-South-W2	3/2/06	NA	Wipe	SGS	PCB	3/17/06
Supplemental Building Material Characterization Activities	BC-7-1E-1	3/1/06	NA	Concrete	SGS	PCB	3/16/06
Supplemental Building Material Characterization Activities	BC-7-1N-2	3/1/06	NA	Brick	SGS	PCB, VOC, SVOC, Metals	3/16/06
Supplemental Building Material Characterization Activities	BC-7-1N-3	3/1/06	NA	Brick	SGS	PCB	3/16/06
Supplemental Building Material Characterization Activities	BC-7-1S-5	3/1/06	NA	Concrete	SGS	PCB	3/16/06
Supplemental Building Material Characterization Activities	BC-7-1S-6	3/1/06	NA	Concrete	SGS	PCB, VOC, SVOC, Metals	3/16/06
Supplemental Building Material Characterization Activities	BC-7-1W-4	3/1/06	NA	Concrete	SGS	PCB, VOC, SVOC, Metals	3/16/06
Supplemental Building Material Characterization Activities	BC-DUP-030106-1 (BC-17C-1N-2)	3/1/06	NA	Brick	SGS	PCB, VOC, SVOC, Metals	3/16/06
Supplemental Building Material Characterization Activities	BC-DUP-030106-2 (BC-17-1N-1)	3/1/06	NA	Brick	SGS	VOC, SVOC, Metals	3/16/06
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/1/06	NA	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/1/06	NA	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/1/06	NA	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	Background Location	3/1/06	NA	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/2/06	NA	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/2/06	NA	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/2/06	NA	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	Background Location	3/2/06	NA	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/6/06	NA	Air	Berkshire Environmental	Particulate Matter	3/14/2006

**TABLE 3-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**EAST STREET AREA 2 - NORTH  
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>
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/6/06	NA	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/6/06	NA	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	Background Location	3/6/06	NA	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/7/06	NA	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/7/06	NA	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/7/06	NA	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	Background Location	3/7/06	NA	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/8/06	NA	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/8/06	NA	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/8/06	NA	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	Background Location	3/8/06	NA	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/9/06	NA	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/9/06	NA	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/9/06	NA	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	Background Location	3/9/06	NA	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/13/06	NA	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/13/06	NA	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/13/06	NA	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	Background Location	3/13/06	NA	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/14/06	NA	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/14/06	NA	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/14/06	NA	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	Background Location	3/14/06	NA	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/15/06	NA	Air	Berkshire Environmental	Particulate Matter	3/21/2006

**TABLE 3-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**EAST STREET AREA 2 - NORTH  
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>
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/15/06	NA	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/15/06	NA	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	Background Location	3/15/06	NA	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/16/06	NA	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/16/06	NA	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/16/06	NA	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	Background Location	3/16/06	NA	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/20/06	NA	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/20/06	NA	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/20/06	NA	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	Background Location	3/20/06	NA	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/21/06	NA	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/21/06	NA	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/21/06	NA	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	Background Location	3/21/06	NA	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/22/06	NA	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/22/06	NA	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/22/06	NA	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	Background Location	3/22/06	NA	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/23/06	NA	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/23/06	NA	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/23/06	NA	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	Background Location	3/23/06	NA	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/27/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006

**TABLE 3-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**EAST STREET AREA 2 - NORTH  
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>
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/27/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/27/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	Background Location	3/27/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/28/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/28/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/28/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	Background Location	3/28/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/29/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/29/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/29/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	Background Location	3/29/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/30/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/30/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/30/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	Background Location	3/30/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	3/31/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M4 - South of Bldg. 15	3/31/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	M6 - Southwest of Bldg. 12	3/31/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	Background Location	3/31/06	NA	Air	Berkshire Environmental	Particulate Matter	4/4/2006
PCB Ambient Air Sampling	Field Blank	3/16 - 3/17/06	NA	Air	Berkshire Environmental	PCB	3/22/2006
PCB Ambient Air Sampling	M2 - South of Bldg. 5	3/16 - 3/17/06	NA	Air	Berkshire Environmental	PCB	3/22/2006
PCB Ambient Air Sampling	M2-CO South of Bldg. 5	3/16 - 3/17/06	NA	Air	Berkshire Environmental	PCB	3/22/2006
PCB Ambient Air Sampling	M4 - South of Bldg. 15	3/16 - 3/17/06	NA	Air	Berkshire Environmental	PCB	3/22/2006
PCB Ambient Air Sampling	M6 - Southwest of Bldg. 12	3/16 - 3/17/06	NA	Air	Berkshire Environmental	PCB	3/22/2006

**TABLE 3-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**EAST STREET AREA 2 - NORTH  
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>
PCB Ambient Air Sampling	BK3-Background - East of Building 9B	3/16 - 3/17/06	NA	Air	Berkshire Environmental	PCB	3/22/2006

Note:

1. Field duplicate sample locations are presented in parenthesis.

**TABLE 3-2  
PCB DATA RECEIVED DURING MARCH 2006**

**CONCEPTUAL RD/RA WORK PLAN ADDENDUM  
EAST STREET AREA 2 - NORTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA5-C3	0-1	2/22/2006	ND(0.036)	0.12	0.14	0.26
	1-6	2/22/2006	ND(0.037)	0.025 J	0.030 J	0.055 J
	6-15	2/22/2006	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA5-C4	0-1	2/23/2006	ND(0.036)	1.7	0.74	2.44
	1-6	2/23/2006	ND(0.035) [ND(0.035)]	0.57 [0.24]	0.13 [0.10]	0.70 [0.34]
	6-10	2/23/2006	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA5-D4	0-1	2/23/2006	ND(0.038)	0.038	0.040	0.078
	1-6	2/23/2006	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	2/23/2006	ND(0.036)	0.26	0.11	0.37
RAA5-D6	0-1	2/22/2006	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	1-6	2/22/2006	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-15	2/22/2006	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA5-D8	0-1	2/22/2006	ND(0.038)	0.056	0.072	0.128
	1-6	2/22/2006	ND(0.037)	0.44	0.37	0.81
	6-15	2/22/2006	ND(0.038)	0.25	0.090	0.34
RAA5-E7	0-1	2/22/2006	ND(0.039)	ND(0.039)	0.026 J	0.026 J
	1-6	2/22/2006	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	2/22/2006	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)

**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 parenthesis is the associated detection limit.
3. Field duplicate sample results are presented in brackets.

**Data Qualifiers:**

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

TABLE 3-3  
DATA RECEIVED DURING MARCH 2006

CONCEPTUAL RD/RA WORK PLAN ADDENDUM  
EAST STREET AREA 2 - NORTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)

Sample ID: Sample Depth(Feet): Date Collected:	RAA5-C4 0-1 02/23/06	RAA5-C4 1-6 02/23/06	RAA5-C4 4-6 02/23/06	RAA5-D6 0-1 02/22/06	RAA5-D6 6-15 02/22/06
<b>Volatile Organics</b>					
Trichlorofluoromethane	ND(0.0054)	NA	ND(0.0054) [ND(0.0054)]	ND(0.0053)	NA
<b>Semivolatile Organics</b>					
2-Methylnaphthalene	0.28 J	0.17 J [0.36]	NA	ND(0.35)	ND(0.37)
Acenaphthene	0.91	0.61 [1.3]	NA	ND(0.35)	ND(0.37)
Acenaphthylene	ND(0.36)	ND(0.35) [0.087 J]	NA	ND(0.35)	ND(0.37)
Anthracene	2.0	1.5 [2.4]	NA	ND(0.35)	ND(0.37)
Benzo(a)anthracene	2.7	2.0 [2.9]	NA	ND(0.35)	ND(0.37)
Benzo(a)pyrene	2.0	1.5 [2.2]	NA	ND(0.35)	ND(0.37)
Benzo(b)fluoranthene	1.6	1.2 [1.7]	NA	ND(0.35)	ND(0.37)
Benzo(g,h,i)perylene	1.0	0.69 [1.1]	NA	ND(0.35)	ND(0.37)
Benzo(k)fluoranthene	1.6	1.2 [1.7]	NA	ND(0.35)	ND(0.37)
bis(2-Ethylhexyl)phthalate	0.24 J	ND(0.35) [ND(0.35)]	NA	ND(0.35)	ND(0.37)
Chrysene	2.5	1.8 [2.6]	NA	ND(0.35)	ND(0.37)
Dibenzo(a,h)anthracene	ND(0.36)	ND(0.35) [ND(0.35)]	NA	ND(0.35)	ND(0.37)
Dibenzofuran	0.72	0.46 [0.88]	NA	ND(0.35)	ND(0.37)
Fluoranthene	6.3	4.7 [6.7]	NA	ND(0.35)	ND(0.37)
Fluorene	0.95	0.65 [1.2]	NA	ND(0.35)	ND(0.37)
Indeno(1,2,3-cd)pyrene	0.98	0.67 [1.0]	NA	ND(0.35)	ND(0.37)
Naphthalene	0.46	0.23 J [0.52]	NA	ND(0.35)	ND(0.37)
Phenanthrene	6.4	4.6 [7.0]	NA	ND(0.35)	ND(0.37)
Pyrene	4.7	3.3 [4.8]	NA	ND(0.35)	ND(0.37)
<b>Inorganics</b>					
Antimony	2.00 B	1.80 B [1.60 B]	NA	2.40 B	2.20 B
Arsenic	5.70	6.10 [6.80]	NA	9.60	5.00
Barium	34.0	22.0 [19.0 B]	NA	9.40 B	23.0
Beryllium	0.220 B	0.180 B [0.170 B]	NA	0.180 B	0.250 B
Cadmium	0.320 B	0.250 B [0.260 B]	NA	0.380 B	0.130 B
Chromium	13.0	12.0 [11.0]	NA	9.20	8.60
Cobalt	37.0	14.0 [12.0]	NA	16.0	7.40
Copper	32.0	32.0 [31.0]	NA	32.0	13.0
Lead	38.0	14.0 [16.0]	NA	36.0	5.60
Mercury	0.0440 B	0.00870 B [ND(0.100)]	NA	ND(0.110)	ND(0.110)
Nickel	19.0	24.0 [18.0]	NA	18.0	13.0
Sulfide	8.60	6.70 [10.0]	NA	10.0	ND(5.60)
Thallium	3.90	3.40 [3.10]	NA	3.50	2.30
Tin	4.50 B	3.80 B [3.10 B]	NA	3.50 B	3.50 B
Vanadium	12.0	9.70 [9.40]	NA	8.00	8.20
Zinc	90.0	71.0 [69.0]	NA	53.0	44.0



**TABLE 3-3  
DATA RECEIVED DURING MARCH 2006**

**CONCEPTUAL RD/RA WORK PLAN ADDENDUM  
EAST STREET AREA 2 - NORTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Sample Depth(Feet): Date Collected:	RAA5-D6 8-10 02/22/06	RAA5-D8 0-1 02/22/06	RAA5-D8 1-6 02/22/06	RAA5-D8 4-6 02/22/06
<b>Volatile Organics</b>					
Trichlorofluoromethane		ND(0.0056)	0.038	NA	ND(0.0056)
<b>Semivolatile Organics</b>					
2-Methylnaphthalene		NA	ND(0.38)	0.12 J	NA
Acenaphthene		NA	ND(0.38)	0.17 J	NA
Acenaphthylene		NA	ND(0.38)	0.21 J	NA
Anthracene		NA	0.049 J	0.66	NA
Benzo(a)anthracene		NA	0.13 J	1.8	NA
Benzo(a)pyrene		NA	0.095 J	1.7	NA
Benzo(b)fluoranthene		NA	0.095 J	1.4	NA
Benzo(g,h,i)perylene		NA	ND(0.38)	1.0	NA
Benzo(k)fluoranthene		NA	0.088 J	1.4	NA
bis(2-Ethylhexyl)phthalate		NA	ND(0.38)	ND(0.37)	NA
Chrysene		NA	0.12 J	1.6	NA
Dibenzo(a,h)anthracene		NA	ND(0.38)	0.24 J	NA
Dibenzofuran		NA	ND(0.38)	0.16 J	NA
Fluoranthene		NA	0.28 J	3.3	NA
Fluorene		NA	ND(0.38)	0.21 J	NA
Indeno(1,2,3-cd)pyrene		NA	0.068 J	0.95	NA
Naphthalene		NA	ND(0.38)	0.37	NA
Phenanthrene		NA	0.18 J	1.5	NA
Pyrene		NA	0.22 J	2.9	NA
<b>Inorganics</b>					
Antimony		NA	1.30 B	2.00 B	NA
Arsenic		NA	3.40	7.20	NA
Barium		NA	50.0	250	NA
Beryllium		NA	0.290 B	0.290 B	NA
Cadmium		NA	ND(0.500)	0.170 B	NA
Chromium		NA	10.0	11.0	NA
Cobalt		NA	20.0	12.0	NA
Copper		NA	19.0	75.0	NA
Lead		NA	8.50	50.0	NA
Mercury		NA	ND(0.110)	0.0190 B	NA
Nickel		NA	12.0	16.0	NA
Sulfide		NA	ND(5.70)	14.0	NA
Thallium		NA	2.40	2.70	NA
Tin		NA	4.30 B	23.0	NA
Vanadium		NA	10.0	11.0	NA
Zinc		NA	38.0	71.0	NA

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of VOCs, SVOCs and metals.
2. NA - Not Analyzed.
3. Field duplicate sample results are presented in brackets.
4. 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).

Inorganics

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

**TABLE 3-4  
PCB DATA RECEIVED DURING MARCH 2006**

**SUPPLEMENTAL BUILDING MATERIAL CHARACTERIZATION ACTIVITIES  
EAST STREET AREA 2 - NORTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Sample ID	Matrix	Date Collected	Aroclor-1016, -1221, -1232, -1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
BC-7-1E-1	Concrete	3/1/2006	ND(0.033)	ND(0.033)	0.039	0.057	0.096
BC-7-1N-2	Brick	3/1/2006	ND(0.33)	ND(0.33)	4.3	1.5	5.8
BC-7-1N-3	Brick	3/1/2006	ND(0.17)	ND(0.17)	2.6	0.71	3.31
BC-7-1S-5	Concrete	3/1/2006	ND(0.033)	ND(0.033)	0.094	0.089	0.183
BC-7-1S-6	Concrete	3/1/2006	ND(0.033)	ND(0.033)	0.17	0.13	0.30
BC-7-1W-4	Concrete	3/1/2006	ND(0.17)	ND(0.17)	2.5	0.89	3.39
BC-17-1S-6	Concrete	3/1/2006	ND(0.033)	ND(0.033)	1.1	1.0	2.1
BC-17-1S-7	Concrete	3/1/2006	ND(0.033)	ND(0.033)	0.14	0.074	0.214
BC-17-1S-8	Concrete	3/1/2006	ND(0.033)	ND(0.033)	0.28	0.14	0.42
BC-17-1S-9	Concrete	3/1/2006	ND(0.033)	ND(0.033)	0.14	0.049	0.189
BC-17-BAY12:13-WALL-W3	Wipe	3/1/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BC-17-BAY12:13-WALL-W4	Wipe	3/1/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BC-17-BAY27:28-WALL-W1	Wipe	3/1/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BC-17-BAY27:28-WALL-W2	Wipe	3/1/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BC-17C-1E-3	Brick	3/1/2006	ND(0.033)	ND(0.033)	0.15	0.14	0.29
BC-17C-1N-2	Brick	3/1/2006	ND(0.033) [ND(0.033)]	ND(0.033) [ND(0.033)]	0.029 J [0.020 J]	0.037 [0.026 J]	0.066 [0.046 J]
BC-17C-1W-1	Brick	3/1/2006	ND(0.033)	ND(0.033)	0.037	0.040	0.077
BC-17C-2N-5	Brick	3/1/2006	ND(0.033)	0.086	0.17	ND(0.033)	0.256
BC-17C-2S-4	Brick	3/1/2006	ND(0.033)	0.071	0.16	ND(0.033)	0.231
BC-19-1E-1	Brick	3/2/2006	ND(0.033)	ND(0.033)	0.078	0.052	0.13
BC-19-1E-2	Brick	3/2/2006	ND(0.033)	ND(0.033)	0.069	0.057	0.126
BC-19-CE3-NORTH-W1	Wipe	3/2/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BC-19-CE3-SOUTH-W2	Wipe	3/2/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

**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 parenthesis is the associated detection limit.
3. Field duplicate sample results are presented in brackets.
4. Wipe matrix samples are presented in ug/100cm<sup>2</sup>

**Data Qualifiers:**

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

TABLE 3-5  
DATA RECEIVED DURING MARCH 2006

**SUPPLEMENTAL BUILDING MATERIAL CHARACTERIZATION ACTIVITIES  
EAST STREET AREA 2 - NORTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Matrix: Date Collected:	BC-7-1N-2 Brick 03/01/06	BC-7-1S-6 Concrete 03/01/06	BC-7-1W-4 Concrete 03/01/06	BC-17-1N-1 Brick 03/01/06	BC-17-1N-3 Brick 03/01/06
<b>Volatile Organics</b>						
Acetone		ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020) [ND(0.020)]	ND(0.020)
Toluene		0.039	0.044	0.013	0.12 [0.065]	0.052
<b>Semivolatile Organics</b>						
2-Methylnaphthalene		ND(0.33)	0.13 J	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)
Acetophenone		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	0.11 J
Benzo(a)anthracene		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	0.058 J
Benzo(b)fluoranthene		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	0.093 J
Benzo(k)fluoranthene		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	0.073 J
bis(2-Ethylhexyl)phthalate		0.15 J	0.20 J	ND(0.33)	ND(0.33) [0.12 J]	0.34
Butylbenzylphthalate		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)
Chrysene		0.065 J	0.041 J	ND(0.33)	ND(0.33) [ND(0.33)]	0.23 J
Dibenzofuran		ND(0.33)	0.21 J	ND(0.33)	ND(0.33) [ND(0.33)]	0.093 J
Di-n-Butylphthalate		0.042 J	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)
Fluoranthene		0.20 J	0.59	ND(0.33)	0.051 J [0.14 J]	1.1
Isophorone		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)
Naphthalene		ND(0.33)	0.13 J	ND(0.33)	ND(0.33) [ND(0.33)]	ND(0.33)
Phenanthrene		0.044 J	1.1	ND(0.33)	0.070 J [0.15 J]	1.3
Pyrene		0.12 J	0.25 J	ND(0.33)	ND(0.33) [0.060 J]	0.57
<b>Inorganics</b>						
Antimony		ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00) [ND(6.00)]	ND(6.00)
Arsenic		5.10	6.80	1.50	6.50 [7.50]	4.00
Barium		920	130	150	88.0 [92.0]	68.0
Beryllium		0.630	0.650	0.150 B	0.720 [0.880]	0.460 B
Cadmium		1.70	0.160 B	1.60	0.110 B [0.0860 B]	0.0510 B
Chromium		93.0	17.0	14.0	28.0 [16.0]	17.0
Cobalt		1.40 B	12.0	3.70 B	4.50 B [5.10]	2.90 B
Copper		4.60	26.0	9.20	6.40 [7.80]	6.40
Lead		680	18.0	320	110 [21.0]	74.0
Mercury		0.110	0.00910 B	0.0100 B	ND(0.100) [ND(0.100)]	ND(0.100)
Nickel		3.60 B	21.0	4.00	6.60 [7.50]	4.20
Selenium		0.500 B	1.20	1.20	0.630 B [0.730 B]	0.740 B
Thallium		ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00) [ND(1.00)]	ND(1.00)
Tin		3.70 B	3.50 B	3.90 B	3.50 B [4.00 B]	3.70 B
Vanadium		26.0	24.0	15.0	25.0 [25.0]	12.0
Zinc		330	58.0	310	20.0 [12.0]	19.0

**TABLE 3-5  
DATA RECEIVED DURING MARCH 2006**

**SUPPLEMENTAL BUILDING MATERIAL CHARACTERIZATION ACTIVITIES  
EAST STREET AREA 2 - NORTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Matrix: Date Collected:	BC-17-1N-5 Brick 03/01/06	BC-17-1S-2 Brick 03/01/06	BC-17-1S-4 Brick 03/01/06	BC-17C-1E-3 Brick 03/01/06	BC-17C-1N-2 Brick 03/01/06
<b>Volatile Organics</b>						
Acetone		ND(0.020)	0.012 J	ND(0.020)	0.025	ND(0.020) [ND(0.020)]
Toluene		0.099	0.091	0.088	0.14	0.065 [0.057]
<b>Semivolatile Organics</b>						
2-Methylnaphthalene		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]
Acetophenone		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]
Benzo(a)anthracene		ND(0.33)	0.037 J	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]
Benzo(b)fluoranthene		ND(0.33)	0.031 J	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]
Benzo(k)fluoranthene		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]
bis(2-Ethylhexyl)phthalate		0.12 J	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [0.32 J]
Butylbenzylphthalate		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]
Chrysene		ND(0.33)	0.051 J	0.057 J	ND(0.33)	ND(0.33) [ND(0.33)]
Dibenzofuran		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]
Di-n-Butylphthalate		ND(0.33)	ND(0.33)	0.042 J	0.049 J	ND(0.33) [ND(0.33)]
Fluoranthene		0.31 J	0.20 J	0.31 J	ND(0.33)	ND(0.33) [ND(0.33)]
Isophorone		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	0.91 [9.0]
Naphthalene		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33) [ND(0.33)]
Phenanthrene		0.45	0.17 J	0.28 J	ND(0.33)	ND(0.33) [ND(0.33)]
Pyrene		0.14 J	0.11 J	0.15 J	ND(0.33)	ND(0.33) [ND(0.33)]
<b>Inorganics</b>						
Antimony		ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00) [ND(6.00)]
Arsenic		8.00	6.70	8.30	1.90	2.80 [3.20]
Barium		180	67.0	98.0	52.0	56.0 [62.0]
Beryllium		0.890	0.630	0.740	0.290 B	0.280 B [0.300 B]
Cadmium		0.0870 B	0.0800 B	0.110 B	0.0730 B	0.0950 B [0.0900 B]
Chromium		22.0	13.0	12.0	10.0	9.50 [10.0]
Cobalt		4.10 B	4.50 B	4.10 B	4.50 B	5.10 [5.00 B]
Copper		7.30	6.80	6.00	13.0	12.0 [11.0]
Lead		64.0	21.0	28.0	4.00	5.10 [5.00]
Mercury		ND(0.100)	ND(0.100)	0.0260 B	ND(0.100)	ND(0.100) [ND(0.100)]
Nickel		6.90	6.80	5.60	8.50	8.30 [9.50]
Selenium		1.30	1.10	1.90	1.40	1.50 [2.30]
Thallium		ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00) [ND(1.00)]
Tin		4.40 B	3.90 B	3.70 B	3.10 B	2.90 B [3.10 B]
Vanadium		35.0	23.0	25.0	15.0	13.0 [14.0]
Zinc		13.0	14.0	20.0	20.0	23.0 [23.0]

TABLE 3-5  
DATA RECEIVED DURING MARCH 2006

**SUPPLEMENTAL BUILDING MATERIAL CHARACTERIZATION ACTIVITIES  
EAST STREET AREA 2 - NORTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Sample ID: Matrix: Date Collected:	BC-17C-1W-1 Brick 03/01/06	BC-17C-2N-5 Brick 03/01/06	BC-17C-2S-4 Brick 03/01/06	BC-19-1N-3 Brick 03/02/06	BC-19-1W-4 Brick 03/02/06	BC-19-1W-5 Brick 03/02/06
<b>Volatile Organics</b>						
Acetone	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
Toluene	0.17	0.068	0.056	0.019	0.044	0.012
<b>Semivolatile Organics</b>						
2-Methylnaphthalene	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Acetophenone	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(a)anthracene	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(b)fluoranthene	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(k)fluoranthene	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
bis(2-Ethylhexyl)phthalate	ND(0.33)	ND(0.33)	0.19 J	0.18 J	0.19 J	ND(0.33)
Butylbenzylphthalate	ND(0.33)	2.7	5.4	0.10 J	ND(0.33)	ND(0.33)
Chrysene	ND(0.33)	ND(0.33)	ND(0.33)	0.035 J	0.043 J	ND(0.33)
Dibenzofuran	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Di-n-Butylphthalate	0.051 J	0.039 J	0.082 J	0.12 J	0.14 J	ND(0.33)
Fluoranthene	ND(0.33)	ND(0.33)	ND(0.33)	0.23 J	0.33	ND(0.33)
Isophorone	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Naphthalene	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Phenanthrene	ND(0.33)	ND(0.33)	ND(0.33)	0.17 J	0.48	ND(0.33)
Pyrene	ND(0.33)	ND(0.33)	ND(0.33)	0.10 J	0.19 J	ND(0.33)
<b>Inorganics</b>						
Antimony	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)	ND(6.00)
Arsenic	2.50	3.20	6.20	3.50	3.70	3.40
Barium	52.0	120	76.0	220	260	78.0
Beryllium	0.350 B	0.310 B	0.300 B	0.280 B	0.430 B	0.730
Cadmium	0.130 B	0.0610 B	0.100 B	ND(0.500)	ND(0.500)	ND(0.500)
Chromium	12.0	12.0	12.0	8.10	14.0	12.0
Cobalt	6.00	5.30	6.90	1.80 B	3.70 B	3.10 B
Copper	15.0	15.0	15.0	10.0	11.0	16.0
Lead	5.40	11.0	11.0	34.0	18.0	4.70
Mercury	ND(0.100)	ND(0.100)	ND(0.100)	ND(0.100)	0.0190 B	ND(0.100)
Nickel	10.0	9.00	13.0	2.90 B	8.60	7.60
Selenium	2.60	0.860 B	1.30	ND(1.00)	ND(1.00)	0.490 B
Thallium	ND(1.00)	ND(1.00)	0.790 B	ND(1.00)	0.800 B	1.90
Tin	3.10 B	2.80 B	2.80 B	1.00 B	1.60 B	2.70 B
Vanadium	17.0	13.0	14.0	13.0	10.0	11.0
Zinc	21.0	63.0	47.0	120	120	21.0

**TABLE 3-5  
DATA RECEIVED DURING MARCH 2006**

**SUPPLEMENTAL BUILDING MATERIAL CHARACTERIZATION ACTIVITIES  
EAST STREET AREA 2 - NORTH  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in dry weight parts per million, ppm)**

Parameter	Sample ID: Matrix: Date Collected:	BC-19-2E-6 Brick 03/02/06	BC-19-2N-8 Brick 03/02/06	BC-19-2W-7 Brick 03/02/06	BC-19-3W-9 Brick 03/02/06
<b>Volatile Organics</b>					
Acetone		ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
Toluene		0.015	0.018	0.21	0.19
<b>Semivolatile Organics</b>					
2-Methylnaphthalene		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Acetophenone		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(a)anthracene		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(b)fluoranthene		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Benzo(k)fluoranthene		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
bis(2-Ethylhexyl)phthalate		0.68	0.20 J	0.22 J	0.099 J
Butylbenzylphthalate		0.67	ND(0.33)	ND(0.33)	ND(0.33)
Chrysene		ND(0.33)	ND(0.33)	0.089 J	ND(0.33)
Dibenzofuran		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Di-n-Butylphthalate		0.10 J	ND(0.33)	0.14 J	ND(0.33)
Fluoranthene		0.22 J	0.094 J	0.49	ND(0.33)
Isophorone		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Naphthalene		ND(0.33)	ND(0.33)	ND(0.33)	ND(0.33)
Phenanthrene		0.18 J	0.12 J	0.23 J	0.053 J
Pyrene		0.093 J	0.039 J	0.20 J	ND(0.33)
<b>Inorganics</b>					
Antimony		0.740 B	ND(6.00)	ND(6.00)	ND(6.00)
Arsenic		3.50	4.30	4.90	4.80
Barium		670	130	280	75.0
Beryllium		0.740	0.670	0.550	0.700
Cadmium		ND(0.500)	ND(0.500)	ND(0.500)	ND(0.500)
Chromium		19.0	14.0	10.0	11.0
Cobalt		4.70 B	5.00	2.10 B	3.70 B
Copper		8.90	12.0	3.80	6.40
Lead		40.0	6.40	14.0	7.10
Mercury		0.0310 B	ND(0.100)	0.0540 B	ND(0.100)
Nickel		8.90	11.0	3.10 B	6.20
Selenium		ND(1.00)	ND(1.00)	ND(1.00)	ND(1.00)
Thallium		2.20	1.40	1.40	1.70
Tin		2.90 B	2.00 B	1.80 B	2.00 B
Vanadium		12.0	14.0	30.0	21.0
Zinc		320	72.0	120	19.0

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of VOCs, SVOCs, and metals.
2. Field duplicate sample results are presented in brackets.
3. 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).

Inorganics

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

**TABLE 3-6  
PCB DATA RECEIVED DURING MARCH 2006**

**BUILDING 78 DRUM 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	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs	Flash Point (°F)
A2568-1	3/17/06	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	4.7	4.6	9.3	158
A2569-1	3/17/06	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	>180
A2709-1	3/17/06	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	>180
BLDG11-ELEVATOROIL-1	3/6/06	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA
C1308-1	3/3/06	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	6.1	6.1	NA
F1955-1	3/6/06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	2.0	ND(0.25)	2.0	NA

**Notes:**

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

**TABLE 3-7  
 AMBIENT AIR PCB DATA RECEIVED DURING MARCH 2006**

**BUILDINGS 1, 2 AND 3 DEMOLITION ACTIVITIES  
 EAST STREET AREA 2 - NORTH  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

Sampling Event Period	Date Analytical Results Received by BEC, Inc.	Field Blank (µg/PUF)	M2 - South of Bldg. 5 (µg/m3)	M2-CO South of Bldg. 5 (µg/m3)	M4 - South of Bldg. 15 (µg/m3)	M6 - Southwest of Bldg. 12 (µg/m3)	BK3-Background - East of Bldg. 9B (µg/m3)
3/16 - 3/17/06	3/22/06	ND	0.0096	0.0087	0.0007	0.0035	0.0006
Notification Level			0.05	0.05	0.05	0.05	0.05

Note:

ND - Non-Detect



**TABLE 3-8  
 AMBIENT AIR PCB DATA RECEIVED DURING MARCH 2006**

**BUILDINGS 1, 2 AND 3 DEMOLITION ACTIVITIES  
 EAST STREET AREA 2 - NORTH  
 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
3/1/06	M2 - South of Bldg. 5	0.015*	0.008*	10:45	WNW
	M4 - South of Bldg. 15	0.020		10:30	
	M6 - Southwest of Bldg. 12	0.058**		10:30	
3/2/06	M2 - South of Bldg. 5	0.036*	0.025*	10:00	Calm
	M4 - South of Bldg. 15	0.042 <sup>3</sup>		10:00	
	M6 - Southwest of Bldg. 12	0.046**		10:00	
3/6/06	M2 - South of Bldg. 5	0.009*	0.006*	10:45	NNW
	M4 - South of Bldg. 15	0.004*		10:00	
	M6 - Southwest of Bldg. 12	0.070		10:30	
3/7/06	M2 - South of Bldg. 5	0.029*	0.014*	10:45	NNW
	M4 - South of Bldg. 15	0.012*		10:30	
	M6 - Southwest of Bldg. 12	0.013*		10:00	
3/8/06	M2 - South of Bldg. 5	0.023*	0.016*	11:00	WSW
	M4 - South of Bldg. 15	0.015*		11:00	
	M6 - Southwest of Bldg. 12	0.022*		11:00	
3/9/06	M2 - South of Bldg. 5	0.041*	0.030*	10:45	Variable
	M4 - South of Bldg. 15	0.025*		10:30	
	M6 - Southwest of Bldg. 12	0.038*		10:45	
3/13/06	M2 - South of Bldg. 5	0.068*	0.049*	11:15	Calm
	M4 - South of Bldg. 15	0.012*		8:45 <sup>4</sup>	
	M6 - Southwest of Bldg. 12	0.050*		11:00	
3/14/06	M2 - South of Bldg. 5	0.019*	0.007*	11:00	WNW
	M4 - South of Bldg. 15	0.055*		8:00 <sup>4</sup>	
	M6 - Southwest of Bldg. 12	0.012*		10:45	
3/15/06	M2 - South of Bldg. 5	0.014*	0.008*	10:45	WNW
	M4 - South of Bldg. 15	0.007*		10:30	
	M6 - Southwest of Bldg. 12	0.023*		10:45	
3/16/06	M2 - South of Bldg. 5	0.017*	0.005*	10:30	WNW
	M4 - South of Bldg. 15	0.005*		10:45	
	M6 - Southwest of Bldg. 12	0.004*		10:45	
3/20/06	M2 - South of Bldg. 5	0.049*	0.018	10:45	WNW
	M4 - South of Bldg. 15	0.024		11:00	
	M6 - Southwest of Bldg. 12	0.013*		10:45	
3/21/06	M2 - South of Bldg. 5	0.020*	0.012*	10:30	WNW
	M4 - South of Bldg. 15	0.029		10:30	
	M6 - Southwest of Bldg. 12	0.019*		10:30	
3/22/06	M2 - South of Bldg. 5	0.019*	0.008*	11:00	WNW
	M4 - South of Bldg. 15	0.028		11:00	
	M6 - Southwest of Bldg. 12	0.022*		11:00	
3/23/06	M2 - South of Bldg. 5	0.014*	0.007	11:00	NNW
	M4 - South of Bldg. 15	0.004		10:45	
	M6 - Southwest of Bldg. 12	0.014*		10:45	
3/27/06	M2 - South of Bldg. 5	0.012*	0.006 <sup>5</sup>	11:15	WNW
	M4 - South of Bldg. 15	0.009 <sup>5</sup>		11:15	
	M6 - Southwest of Bldg. 12	0.019*		11:00	

**TABLE 3-8  
 AMBIENT AIR PCB DATA RECEIVED DURING MARCH 2006**

**BUILDINGS 1, 2 AND 3 DEMOLITION ACTIVITIES  
 EAST STREET AREA 2 - NORTH  
 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
3/28/06	M2 - South of Bldg. 5	0.012*	0.011*	11:15	Calm
	M4 - South of Bldg. 15	0.014*		11:00	
	M6 - Southwest of Bldg. 12	0.016*		11:00	
3/29/06	M2 - South of Bldg. 5	0.020*	0.014*	11:15	NNW
	M4 - South of Bldg. 15	0.020*		11:00	
	M6 - Southwest of Bldg. 12	0.024*		11:15	
3/30/06	M2 - South of Bldg. 5	0.026*	0.019*	11:15	Variable
	M4 - South of Bldg. 15	0.027*		10:45	
	M6 - Southwest of Bldg. 12	0.028*		11:15	
3/31/06	M2 - South of Bldg. 5	0.051*	0.043*	11:15	SSW
	M4 - South of Bldg. 15	0.054*		9:30	
	M6 - Southwest of Bldg. 12	0.049*		9:45	
Notification Level		0.120			

Notes:

\* Measured with a DR-2000 or DR-4000. \*\* Measured with an EBAM. All others measured with a 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> Represents data from a pdr-1000 and DR-4000.

<sup>4</sup> Sampling period was shortened due to instrument malfunction.

<sup>5</sup> Represents data from a pDR-1000 and DR-4000.

**ITEM 5  
PLANT AREA  
HILL 78 & BUILDING 71 CONSOLIDATION AREAS  
(GECD210/220)  
MARCH 2006**

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

**a. Activities Undertaken/Completed**

- Conducted air monitoring for PCBs, as identified in Table 5-1.
- Continued transfer of leachate from Building 71 On-Plant Consolidation Area (OPCA) to Building 64G for treatment. The total amount transferred in March 2006 was 70,000 gallons (see Table 5-3).

**b. Sampling/Test Results Received**

See attached tables.

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

None

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

- Submit final 2006 Addendum to OPCA Work Plan summarizing enhancements/modifications to OPCA operations, including proposed modifications of Hill 78 OPCA boundaries.
- Initiate consolidation of certain building demolition materials and materials from EPA's 1½-Mile Reach Removal Action into the OPCAs.
- Submit final cover design for remainder of Building 71 OPCA and entire Hill 78 OPCA.

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

No issues

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

None

**TABLE 5-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**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	Field Blank	3/7 - 3/8/06	Air	Berkshire Environmental	PCB	4/4/2006
PCB Ambient Air Sampling	Northwest of OPCAs	3/7 - 3/8/06	Air	Berkshire Environmental	PCB	4/4/2006
PCB Ambient Air Sampling	Northwest of OPCAs colocated	3/7 - 3/8/06	Air	Berkshire Environmental	PCB	4/4/2006
PCB Ambient Air Sampling	West of OPCAs	3/7 - 3/8/06	Air	Berkshire Environmental	PCB	4/4/2006
PCB Ambient Air Sampling	North of OPCAs	3/7 - 3/8/06	Air	Berkshire Environmental	PCB	4/4/2006
PCB Ambient Air Sampling	Southeast of OPCAs	3/7 - 3/8/06	Air	Berkshire Environmental	PCB	4/4/2006
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	3/7 - 3/8/06	Air	Berkshire Environmental	PCB	4/4/2006
PCB Ambient Air Sampling	Background East of Building 9B	3/7 - 3/8/06	Air	Berkshire Environmental	PCB	4/4/2006

**TABLE 5-2  
 AMBIENT AIR PCB DATA RECEIVED DURING MARCH 2006**

**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/PUF)	Northwest of OPCAs (µg/m <sup>3</sup> )	Northwest 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> )
03/07 - 03/08/06	03/14/06	ND (<0.10)	ND (<0.0003)	ND (<0.0003)	ND (<0.0003)	ND (<0.0003)	0.0006	0.0006	0.0008
Action Level			0.05	0.05	0.05	0.05	0.05	0.05	0.05

Note:

ND - Non-Detect

**TABLE 5-3  
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  
March 2006**

<b>Month / Year</b>	<b>Total Volume of Leachate Transferred (Gallons)</b>
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
December 2005	168,000
January 2006	185,000
February 2006	125,000
March 2006	70,000

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

**ITEM 6  
PLANT AREA  
HILL 78 AREA - REMAINDER  
(GECD160  
MARCH 2006**

**a. Activities Undertaken/Completed**

Completed topography and boundary survey updates for Hill 78 Area - Remainder.\*

**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.\*
- Conduct video inspection of the storm and sanitary sewer lines within the Hill 78 Area.\*

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

No issues

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

None

**ITEM 7  
PLANT AREA  
UNKAMET BROOK AREA  
(GECD170)  
MARCH 2006**

**a. Activities Undertaken/Completed**

- Conducted drum sampling at Building 78 of oil from Building 59 snow blower servicing, as identified in Table 7-1.
- Conducted paint chip sampling at Building 100, as identified in Table 7-1.
- Received grant of access from the property owner to conduct investigations at new Tax Parcel L12-1-101 (March 16, 2006).\*

**b. Sampling/Test Results Received**

See attached tables.

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

Submitted Proposed Excavation Plan to Support Facility Upgrade Project (March 7, 2006).

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

Following EPA approval of the Pre-Design Investigation Report (submitted on September 6, 2005), initiate the additional soil sampling activities proposed therein and proposed in the EPA-approved November 2005 Addendum (approval received in March 2006).\*

**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.\*
- Received EPA approval letter for GE's November 2, 2005 Addendum to Pre-Design Investigation Report (March 8, 2006).\*
- Received EPA verbal approval of GE's March 7, 2006 Proposed Excavation Plan to Support Facility Upgrade Project (March 20, 2006).



**TABLE 7-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**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>
Building 100 - GE Plastics Paint Chip Sampling	Bldg100-PaintChip-1	3/9/06	Solid	SGS	TCLP-Lead	3/15/06
Building 78 Drum Sampling	F2092-1	3/3/06	Oil	SGS	PCB	3/21/06

**TABLE 7-2  
TCLP DATA RECEIVED DURING MARCH 2006**

**BUILDING 100 - GE PLASTICS PAINT CHIP SAMPLING  
UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

Parameter	Sample ID: Date Collected:	TCLP Regulatory Limits	BLDG100-PAINTCHIP-1 3/9/2006
<b>Inorganics</b>			
Lead		5	0.0100 B

Notes:

1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of TCLP lead .

Data Qualifiers:

Inorganics

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

**TABLE 7-3  
PCB DATA RECEIVED DURING MARCH 2006**

**BUILDING 78 DRUM SAMPLING  
UNKAMET BROOK AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Sample ID</b>	<b>Date Collected</b>	<b>Aroclor-1016</b>	<b>Aroclor-1221</b>	<b>Aroclor-1232</b>	<b>Aroclor-1242</b>	<b>Aroclor-1248</b>	<b>Aroclor-1254</b>	<b>Aroclor-1260</b>	<b>Total PCBs</b>
F2092-1	3/3/06	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

Notes:

1. Sample was 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 parenthesis is the associated detection limit.

**ITEM 8  
FORMER OXBOW AREAS A & C  
(GEC410)  
MARCH 2006**

\* 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**

None

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

- Submit Second Addendum to Final RD/RA Work Plan (due April 17, 2006).
- Submit Release Notification Form to MDEP for soil PCB result meeting MCP definition of potential "imminent hazard."

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

No issues

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

None

**ITEM 9  
LYMAN STREET AREA  
(GEC430)  
MARCH 2006**

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

**a. Activities Undertaken/Completed**

Conducted drum sampling at Building 78 of decontamination water from Lyman Street parking lot activities, as identified in Table 9-1.

**b. Sampling/Test Results Received**

See attached tables.

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

None

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

Submit Addendum to Final RD/RA Work Plan (due April 5, 2006).

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

No issues

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

- Received EPA's conditional approval letter for Final RD/RA Work Plan (submitted in September 2006) (March 6, 2006).
- Received comments from Natural Resource Trustees on Final RD/RA Work Plan (March 7, 2006).

**TABLE 9-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**LYMAN STREET 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>
Building 78 Drum Sampling	F1703-1	3/6/06	Water	SGS	PCB	3/27/06

**TABLE 9-2  
PCB DATA RECEIVED DURING MARCH 2006**

**BUILDING 78 DRUM SAMPLING  
LYMAN STREET AREA  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Sample ID</b>	<b>Date Collected</b>	<b>Aroclor-1016</b>	<b>Aroclor-1221</b>	<b>Aroclor-1232</b>	<b>Aroclor-1242</b>	<b>Aroclor-1248</b>	<b>Aroclor-1254</b>	<b>Aroclor-1260</b>	<b>Total PCBs</b>
F1703-1	3/6/06	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	7.1	ND(0.25)	7.1

Notes:

1. Sample was 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 parenthesis is the associated detection limit.

**ITEM 10  
NEWELL STREET AREA I  
(GEC440)  
MARCH 2006**

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

**a. Activities Undertaken/Completed**

Obtained signature from owner of Parcel J9-23-24 on amendment to ERE.

**b. Sampling/Test Results Received**

None

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

None

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

- Following notice from MDEP, submit ERE and Notice of Completion for Parcel J9-23-24 to EPA for approval and MDEP for acceptance, and then register them in land court records.
- Complete the remaining remediation activity at Parcels J9-23-19, -20, and -21, which involves limited excavation and subsequent installation of a concrete slab over a dirt floor in a building.
- Conduct semi-annual inspection of engineered barriers and restored and revegetated areas (in May).

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

No issues

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

None



**ITEM 11  
NEWELL STREET AREA II  
(GEC450)  
MARCH 2006**

**a. Activities Undertaken/Completed**

- Completed additional removal activities within Parcel J9-23-8 in accordance with GE's Proposal for Additional Removal Activities (approved by EPA on February 7, 2006).\*
- Conducted ambient air monitoring for particulates and PCBs, as identified in Table 11-1.\*
- Conducted wipe sampling of gondolas to be used to transport materials to the disposal facility, as identified in Table 11-1.
- Conducted drum sampling at Building 78 of decontamination water from Newell Street Area II, as identified in Table 11-1.
- Initiated shipment of soil excavated from Parcel J9-23-8 to the selected disposal facility located in Port Arthur, Texas.

**b. Sampling/Test Results Received**

See attached tables.

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

None

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

- Based on sampling results for contents of intact drums previously removed from Parcel J9-23-8, arrange for appropriate off-site disposal of those drums.
- Continue shipments of soil excavated from Parcel J9-23-8 to the selected disposal facility located in Port Arthur, Texas.
- Continue with previously planned soil remediation activities (e.g., soil replacement, installation of engineered barriers).

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

No issues

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

None

**TABLE 11-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**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>
Building 78 Drum Sampling	NewellStDeconWater-1	3/6/06	Water	SGS	PCB, VOC, SVOC, Total Metals	3/27/06
Gondola Wipe Sampling	CEFX-30610-W1	3/30/06	Wipe	SGS	PCB	3/31/06
Gondola Wipe Sampling	CEFX-30610-W2	3/30/06	Wipe	SGS	PCB	3/31/06
Gondola Wipe Sampling	CEFX-30610-W3	3/30/06	Wipe	SGS	PCB	3/31/06
Gondola Wipe Sampling	CEFX-30610-W4	3/30/06	Wipe	SGS	PCB	3/31/06
Gondola Wipe Sampling	CEFX-30610-W5	3/30/06	Wipe	SGS	PCB	3/31/06
Gondola Wipe Sampling	CEFX-33387-W1	3/28/06	Wipe	SGS	PCB	3/30/06
Gondola Wipe Sampling	CEFX-33387-W2	3/28/06	Wipe	SGS	PCB	3/30/06
Gondola Wipe Sampling	CEFX-33387-W3	3/28/06	Wipe	SGS	PCB	3/30/06
Gondola Wipe Sampling	CEFX-33387-W4	3/28/06	Wipe	SGS	PCB	3/30/06
Gondola Wipe Sampling	CEFX-33387-W5	3/28/06	Wipe	SGS	PCB	3/30/06
Gondola Wipe Sampling	HLMX-1231-W1	3/20/06	Wipe	SGS	PCB	3/22/06
Gondola Wipe Sampling	HLMX-1231-W2	3/20/06	Wipe	SGS	PCB	3/22/06
Gondola Wipe Sampling	HLMX-1231-W3	3/20/06	Wipe	SGS	PCB	3/22/06
Gondola Wipe Sampling	HLMX-1231-W4	3/20/06	Wipe	SGS	PCB	3/22/06
Gondola Wipe Sampling	HLMX-1231-W5	3/20/06	Wipe	SGS	PCB	3/22/06
Gondola Wipe Sampling	MHFX-5865-W1	3/13/06	Wipe	SGS	PCB	3/15/06
Gondola Wipe Sampling	MHFX-5865-W2	3/13/06	Wipe	SGS	PCB	3/15/06
Gondola Wipe Sampling	MHFX-5865-W3	3/13/06	Wipe	SGS	PCB	3/15/06
Gondola Wipe Sampling	MHFX-5865-W4	3/13/06	Wipe	SGS	PCB	3/15/06
Gondola Wipe Sampling	MHFX-5865-W5	3/13/06	Wipe	SGS	PCB	3/15/06
Gondola Wipe Sampling	NDYX-322035-W1	3/24/06	Wipe	SGS	PCB	3/29/06
Gondola Wipe Sampling	NDYX-322035-W2	3/24/06	Wipe	SGS	PCB	3/29/06
Gondola Wipe Sampling	NDYX-322035-W3	3/24/06	Wipe	SGS	PCB	3/29/06
Gondola Wipe Sampling	NDYX-322035-W4	3/24/06	Wipe	SGS	PCB	3/29/06
Gondola Wipe Sampling	NDYX-322035-W5	3/24/06	Wipe	SGS	PCB	3/29/06
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/1/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/1/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/1/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/1/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	Background Location	3/1/2006	Air	Berkshire Environmental	Particulate Matter	3/8/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/6/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/6/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/6/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/6/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	Background Location	3/6/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/7/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/7/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/7/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006

**TABLE 11-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**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	NN4 - Northeast	3/7/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	Background Location	3/7/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/8/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/8/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/8/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/8/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	Background Location	3/8/2006	Air	Berkshire Environmental	Particulate Matter	3/14/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/13/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/13/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/13/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/13/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	Background Location	3/13/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/14/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/14/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/14/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/14/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	Background Location	3/14/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/15/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/15/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/15/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/15/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	Background Location	3/15/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/16/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/16/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/16/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/16/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	Background Location	3/16/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/17/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/17/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/17/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/17/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	Background Location	3/17/2006	Air	Berkshire Environmental	Particulate Matter	3/21/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/20/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/20/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/20/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/20/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	Background Location	3/20/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/21/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/21/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/21/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/21/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006

**TABLE 11-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**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	Background Location	3/21/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/22/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/22/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/22/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/22/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	Background Location	3/22/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/23/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/23/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/23/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/23/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	Background Location	3/23/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/24/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/24/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/24/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/24/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	Background Location	3/24/2006	Air	Berkshire Environmental	Particulate Matter	3/28/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/27/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/27/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/27/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/27/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	Background Location	3/27/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/28/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/28/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/28/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/28/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	Background Location	3/28/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/29/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/29/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/29/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/29/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	Background Location	3/29/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/30/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/30/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/30/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/30/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	Background Location	3/30/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN1 - Northwest	3/31/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN2 - Southwest	3/31/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN3 - Southeast	3/31/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	NN4 - Northeast	3/31/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006
Ambient Air Particulate Matter Sampling	Background Location	3/31/2006	Air	Berkshire Environmental	Particulate Matter	4/4/2006

**TABLE 11-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**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	Field Blank	2/28 - 3/01/06	Air	Berkshire Environmental	PCB	3/7/2006
PCB Ambient Air Sampling	Northwest of NS Area II	2/28 - 3/01/06	Air	Berkshire Environmental	PCB	3/7/2006
PCB Ambient Air Sampling	Southwest of NS Area II	2/28 - 3/01/06	Air	Berkshire Environmental	PCB	3/7/2006
PCB Ambient Air Sampling	Southeast of NS Area II	2/28 - 3/01/06	Air	Berkshire Environmental	PCB	3/7/2006
PCB Ambient Air Sampling	Northeast of NS Area II	2/28 - 3/01/06	Air	Berkshire Environmental	PCB	3/7/2006
PCB Ambient Air Sampling	Northeast of NS Area II - colocated	2/28 - 3/01/06	Air	Berkshire Environmental	PCB	3/7/2006
PCB Ambient Air Sampling	Background - East of Building 9B	2/28 - 3/01/06	Air	Berkshire Environmental	PCB	3/7/2006
PCB Ambient Air Sampling	Field Blank	3/07 - 3/08/06	Air	Berkshire Environmental	PCB	3/13/2006
PCB Ambient Air Sampling	Northwest of NS Area II	3/07 - 3/08/06	Air	Berkshire Environmental	PCB	3/13/2006
PCB Ambient Air Sampling	Southwest of NS Area II	3/07 - 3/08/06	Air	Berkshire Environmental	PCB	3/13/2006
PCB Ambient Air Sampling	Southeast of NS Area II	3/07 - 3/08/06	Air	Berkshire Environmental	PCB	3/13/2006
PCB Ambient Air Sampling	Northeast of NS Area II	3/07 - 3/08/06	Air	Berkshire Environmental	PCB	3/13/2006
PCB Ambient Air Sampling	Northeast of NS Area II - colocated	3/07 - 3/08/06	Air	Berkshire Environmental	PCB	3/13/2006
PCB Ambient Air Sampling	Background - East of Building 9B	3/07 - 3/08/06	Air	Berkshire Environmental	PCB	3/13/2006
PCB Ambient Air Sampling	Field Blank	3/14 - 3/15/06	Air	Berkshire Environmental	PCB	3/17/2006
PCB Ambient Air Sampling	Northwest of NS Area II	3/14 - 3/15/06	Air	Berkshire Environmental	PCB	3/17/2006
PCB Ambient Air Sampling	Southwest of NS Area II	3/14 - 3/15/06	Air	Berkshire Environmental	PCB	3/17/2006
PCB Ambient Air Sampling	Southeast of NS Area II	3/14 - 3/15/06	Air	Berkshire Environmental	PCB	3/17/2006
PCB Ambient Air Sampling	Northeast of NS Area II	3/14 - 3/15/06	Air	Berkshire Environmental	PCB	3/17/2006
PCB Ambient Air Sampling	Northeast of NS Area II - colocated	3/14 - 3/15/06	Air	Berkshire Environmental	PCB	3/17/2006
PCB Ambient Air Sampling	Background - East of Building 9B	3/14 - 3/15/06	Air	Berkshire Environmental	PCB	3/17/2006
PCB Ambient Air Sampling	Field Blank	3/21 - 3/22/06	Air	Berkshire Environmental	PCB	3/27/2006
PCB Ambient Air Sampling	Northwest of NS Area II	3/21 - 3/22/06	Air	Berkshire Environmental	PCB	3/27/2006
PCB Ambient Air Sampling	Southwest of NS Area II	3/21 - 3/22/06	Air	Berkshire Environmental	PCB	3/27/2006
PCB Ambient Air Sampling	Southeast of NS Area II	3/21 - 3/22/06	Air	Berkshire Environmental	PCB	3/27/2006
PCB Ambient Air Sampling	Northeast of NS Area II	3/21 - 3/22/06	Air	Berkshire Environmental	PCB	3/27/2006
PCB Ambient Air Sampling	Northeast of NS Area II - colocated	3/21 - 3/22/06	Air	Berkshire Environmental	PCB	3/27/2006
PCB Ambient Air Sampling	Background - East of Building 9B	3/21 - 3/22/06	Air	Berkshire Environmental	PCB	3/27/2006
PCB Ambient Air Sampling	Field Blank	3/28 - 3/29/06	Air	Berkshire Environmental	PCB	4/3/2006
PCB Ambient Air Sampling	Northwest of NS Area II	3/28 - 3/29/06	Air	Berkshire Environmental	PCB	4/3/2006
PCB Ambient Air Sampling	Southwest of NS Area II	3/28 - 3/29/06	Air	Berkshire Environmental	PCB	4/3/2006
PCB Ambient Air Sampling	Southeast of NS Area II	3/28 - 3/29/06	Air	Berkshire Environmental	PCB	4/3/2006
PCB Ambient Air Sampling	Northeast of NS Area II	3/28 - 3/29/06	Air	Berkshire Environmental	PCB	4/3/2006
PCB Ambient Air Sampling	Northeast of NS Area II - colocated	3/28 - 3/29/06	Air	Berkshire Environmental	PCB	4/3/2006
PCB Ambient Air Sampling	Background - East of Building 9B	3/28 - 3/29/06	Air	Berkshire Environmental	PCB	4/3/2006

**TABLE 11-2  
PCB DATA RECEIVED DURING MARCH 2006**

**GONDOLA WIPE SAMPLING  
NEWELL STREET AREA II  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in  $\mu\text{g}/100\text{cm}^2$ )**

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
CEFX-30610-W1	3/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	4.4	ND(1.0)	ND(1.0)	4.4
CEFX-30610-W2	3/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.9	ND(1.0)	ND(1.0)	3.9
CEFX-30610-W3	3/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	15	ND(1.0)	ND(1.0)	15
CEFX-30610-W4	3/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	14	ND(1.0)	ND(1.0)	14
CEFX-30610-W5	3/30/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	5.8	ND(1.0)	ND(1.0)	5.8
CEFX-33387-W1	3/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
CEFX-33387-W2	3/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
CEFX-33387-W3	3/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
CEFX-33387-W4	3/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
CEFX-33387-W5	3/28/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
HLMX-1231-W1	3/20/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
HLMX-1231-W2	3/20/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
HLMX-1231-W3	3/20/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
HLMX-1231-W4	3/20/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
HLMX-1231-W5	3/20/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
MHFX-5865-W1	3/13/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
MHFX-5865-W2	3/13/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
MHFX-5865-W3	3/13/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
MHFX-5865-W4	3/13/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
MHFX-5865-W5	3/13/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
NDYX-322035-W1	3/24/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
NDYX-322035-W2	3/24/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
NDYX-322035-W3	3/24/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	31	ND(1.0)	ND(1.0)	31
NDYX-322035-W4	3/24/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.1	ND(1.0)	ND(1.0)	2.1
NDYX-322035-W5	3/24/2006	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.5	ND(1.0)	ND(1.0)	3.5

**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 parenthesis is the associated detection limit.

**TABLE 11-3  
DATA RECEIVED DURING MARCH 2006**

**BUILDING 78 DRUM SAMPLING  
NEWELL STREET AREA II  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in parts per million, ppm)**

<b>Parameter</b>	<b>Sample ID: Date Collected:</b>	<b>NewellStDeconWater-1 03/06/06</b>
<b>Volatiles Organics</b>		
Xylenes (total)		1.6
<b>PCBs-Unfiltered</b>		
Aroclor-1254		2.8
Total PCBs		2.8
<b>Semivolatile Organics</b>		
1,2,4-Trichlorobenzene		0.070 J
2-Methylnaphthalene		0.46
bis(2-Ethylhexyl)phthalate		0.066
Naphthalene		15
<b>Inorganics-Unfiltered</b>		
Arsenic		0.0520
Barium		2.10
Cadmium		0.00850
Chromium		0.230
Lead		2.00
Mercury		0.00130
Selenium		0.0150
Silver		0.0240

Notes:

1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles, and metals.
2. Only detected constituents are summarized.

Data Qualifiers:

Organics (PCBs, volatiles, semivolatiles)

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

**TABLE 11-4  
 AMBIENT AIR PCB DATA RECEIVED DURING MARCH 2006**

**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/PUF)	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)	Background - East of Bldg. 9B (µg/m3)
2/28 - 3/01/06	3/7/06	ND (<0.10)	ND (<0.0003)	ND (<0.0003)	0.0609 <sup>1</sup>	0.0040	0.0040	ND (<0.0003)
3/07 - 3/08/06	3/13/06	ND (<0.10)	0.0013	0.0021	0.0193	0.0034	0.0031	0.0008
3/14 - 3/15/06	3/17/06	ND (<0.10)	0.0013	0.0021	0.0081	0.0038	0.0010	ND (<0.0003)
3/21 - 3/22/06	3/27/06	ND (<0.10)	0.0007	0.0011	0.0112	0.0029	0.0024	ND (<0.0003)
3/28 - 3/29/06	3/31/06	ND (<0.10)	0.0013	0.0011	0.0062	0.0034	0.0026	0.0006
Notification Level			0.05	0.05	0.05	0.05	0.05	0.05

**Notes:**

ND - Non-Detect

<sup>1</sup> Exceeds notification level



**TABLE 11-5  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING MARCH 2006**

**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
3/1/06	NN1 - Northwest	0.044	0.008*	10:30	WNW
	NN2 - Southwest	0.019		10:30	
	NN3 - Southeast	0.010*		10:45	
	NN4 - Northeast	0.048		10:45	
3/6/06	NN1 - Northwest	0.056	0.006*	10:45	NNW
	NN2 - Southwest	0.023		10:45	
	NN3 - Southeast	0.013*		10:45	
	NN4 - Northeast	0.029		10:45	
3/7/06	NN1 - Northwest	0.066	0.014*	10:30	NNW
	NN2 - Southwest	0.031		10:15	
	NN3 - Southeast	0.019*		10:45	
	NN4 - Northeast	0.047		10:45	
3/8/06	NN1 - Northwest	0.061	0.016*	10:30	WSW
	NN2 - Southwest	0.031		10:45	
	NN3 - Southeast	0.016*		10:45	
	NN4 - Northeast	0.036		10:45	
3/13/06	NN1 - Northwest	0.044*	0.049*	8:45 <sup>3</sup>	Calm
	NN2 - Southwest	0.033*		7:00 <sup>3</sup>	
	NN3 - Southeast	0.056*		11:00	
	NN4 - Northeast	0.081*		9:00 <sup>3</sup>	
3/14/06	NN1 - Northwest	0.010*	0.007*	11:15	WNW
	NN2 - Southwest	0.005*		11:15	
	NN3 - Southeast	0.009*		11:30	
	NN4 - Northeast	0.018*		11:30	
3/15/06	NN1 - Northwest	0.009*	0.008*	11:00	WNW
	NN2 - Southwest	0.008*		11:00	
	NN3 - Southeast	0.005*		11:00	
	NN4 - Northeast	0.011*		11:00	
3/16/06	NN1 - Northwest	0.017*	0.005*	11:15	WNW
	NN2 - Southwest	0.009*		11:15	
	NN3 - Southeast	0.006*		11:15	
	NN4 - Northeast	0.009*		11:15	
3/17/06	NN1 - Northwest	0.031*	0.006*	11:00	WNW
	NN2 - Southwest	0.011*		11:00	
	NN3 - Southeast	0.011*		11:30	
	NN4 - Northeast	0.013*		11:30	
3/20/06	NN1 - Northwest	0.030*	0.018	11:30	WNW
	NN2 - Southwest	0.019*		11:30	
	NN3 - Southeast	0.016*		11:15	
	NN4 - Northeast	0.021*		11:15	
3/21/06	NN1 - Northwest	0.021*	0.012*	11:15	WNW
	NN2 - Southwest	0.015*		11:15	
	NN3 - Southeast	0.012*		11:00	
	NN4 - Northeast	0.019*		11:00	

**TABLE 11-5  
 AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING MARCH 2006**

**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
3/22/06	NN1 - Northwest	0.011*	0.008*	11:00	WNW
	NN2 - Southwest	0.022*		10:45	
	NN3 - Southeast	0.010*		10:45	
	NN4 - Northeast	0.014*		10:30	
3/23/06	NN1 - Northwest	0.017*	0.007	9:30 <sup>4</sup>	NNW
	NN2 - Southwest	0.004*		11:00	
	NN3 - Southeast	0.010*		10:30	
	NN4 - Northeast	0.013*		10:30	
3/24/06	NN1 - Northwest	0.011*	0.012*	10:45	Calm
	NN2 - Southwest	0.009		10:30	
	NN3 - Southeast	0.014*		10:15	
	NN4 - Northeast	0.017*		10:15	
3/27/06	NN1 - Northwest	0.023*	0.006 <sup>5</sup>	11:30	WNW
	NN2 - Southwest	0.009		11:15	
	NN3 - Southeast	0.012*		11:45	
	NN4 - Northeast	0.013*		11:45	
3/28/06	NN1 - Northwest	0.017*	0.011*	10:45	Calm
	NN2 - Southwest	0.005*		10:45	
	NN3 - Southeast	0.012*		10:45	
	NN4 - Northeast	0.014*		10:45	
3/29/06	NN1 - Northwest	0.022*	0.014*	11:00	NNW
	NN2 - Southwest	0.005*		10:30	
	NN3 - Southeast	0.017*		11:00	
	NN4 - Northeast	0.026*		10:45	
3/30/06	NN1 - Northwest	0.031*	0.019*	11:15	Variable
	NN2 - Southwest	0.016*		11:00	
	NN3 - Southeast	0.027*		11:15	
	NN4 - Northeast	0.038*		11:15	
3/31/06	NN1 - Northwest	0.048*	0.043*	11:00	SSW
	NN2 - Southwest	0.036*		11:15	
	NN3 - Southeast	0.046*		11:30	
	NN4 - Northeast	0.067*		11:30	
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 precipitation/threat of precipitation.

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

<sup>5</sup> Represents data from a pDR-1000 and DR-4000.

**ITEM 12  
FORMER OXBOW AREAS J & K  
(GEC420)  
MARCH 2006**

\* 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 Release Notification Form to MDEP for soil PCB results meeting MCP definition of potential "imminent hazard" (March 17, 2006).
- Submitted Additional Supplemental Sampling Proposal to EPA (March 22, 2006, revised March 27, 2006).

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

- Perform additional supplemental sampling (following EPA approval of Additional Supplemental Sampling Proposal).
- Submit Addendum to the Final RD/RA Work Plan (due date extended to May 1, 2006).

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

EPA has approved an extension of the due date for the Addendum to the Final RD/RA Work Plan until May 1, 2006, to allow inclusion of the additional supplemental sampling results in that Addendum.

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

None

**ITEM 13  
HOUSATONIC RIVER AREA  
UPPER ½ MILE REACH  
(GEC800)  
MARCH 2006**

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

**a. Activities Undertaken/Completed**

On March 28, 2006, BBL (on GE's behalf) performed a round of water column monitoring at nine locations along the Housatonic River (discussed further in Items 14 and 15 below). This sampling was performed during low flow. As such, the sampling at two of these locations also served as the required annual low-flow sampling event for the Upper 1/2 Mile Reach of the river. These two locations are: (1) Lyman Street Bridge (Location 4), situated just downstream of the ½ Mile Reach (also discussed in Item 14); and (2) Newell Street Bridge (Location 2), situated just upstream of the ½ Mile Reach (also discussed in Item 15). Composite grab samples were collected for analysis of PCBs (total and unfiltered), TSS, POC, and chlorophyll-a, as identified in Table 13-1. (Note that these samples are also identified in Table 14-1 for Location 4 and in Table 15-1 for Location 2).

**b. Sampling/Test Results Received**

None

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

None

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

- Prepare draft letter responding to Trustee comments on 2005 Annual Monitoring Report.
- Conduct semi-annual inspection of restored bank vegetation.

**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

**TABLE 13-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**HOUSATONIC RIVER - UPPER 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/Upper 1/2 Mile Reach Low Flow Sampling	LOCATION-2	3/28/06	Water	NEA	PCB, PCB (f) TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling/Upper 1/2 Mile Reach Low Flow Sampling	LOCATION-4	3/28/06	Water	NEA	PCB, PCB (f) TSS, POC, Chlorophyll-A	

Note:

1. (f) - Indicates filtered analysis requested.

**ITEM 14**  
**HOUSATONIC RIVER AREA**  
**1½ MILE REACH**  
**(GEC820)**  
**MARCH 2006**

**(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 March 28, 2006, BBL (on GE's behalf) performed a round of water column monitoring at nine locations along the Housatonic River between Coltsville, MA and Great Barrington, MA. Two of these locations are situated in the 1½ Mile Reach: Lyman Street Bridge (Location 4) and Pomeroy Avenue Bridge (Location 6A). A composite grab sample was collected at each location 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 MARCH 2006**

**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	2/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	3/14/06
Monthly Water Column Sampling	LOCATION-6A	2/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	3/14/06
Monthly Water Column Sampling	LOCATION-6A	3/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling/Upper 1/2 Mile Reach Low Flow Sampling	LOCATION-4	3/28/06	Water	NEA	PCB, PCB (f) TSS, POC, Chlorophyll-A	

Note:

1. (f) - Indicates filtered analysis requested.

**TABLE 14-2  
SAMPLE DATA RECEIVED DURING MARCH 2006**

**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, -1248	Aroclor 1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
LOCATION-4	Lyman Street Bridge	2/28/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.455	3.20	0.00050
LOCATION-6A	Pomeroy Ave. Bridge	2/28/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.428	2.80	0.00040

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.



**ITEM 15**  
**HOUSATONIC RIVER AREA**  
**REST OF THE RIVER**  
**(GECD850)**  
**MARCH 2006**

**a. Activities Undertaken/Completed**

- On March 28, 2006, BBL (on GE's behalf) performed a round of water column monitoring at nine locations along the Housatonic River between Coltsville and Great Barrington, MA. Two locations are situated in the 1½ Mile Reach of the Housatonic River and were 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 these locations on March 28, 2006 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.
- Received and began review of EPA's Model Validation Report titled *Model Validation: Modeling Study of PCB Contamination in the Housatonic River*.\*
- Evaluated existing gate at Rising Pond Dam to assess need for repair or replacement.\*

**b. Sampling/Test Results**

See attached tables.

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

Submitted revised Interim Media Protection Goals (IMPG) Proposal (March 10, 2006).\*

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

- Continue Housatonic River monthly water column monitoring.
- Submit comments on EPA's Model Validation Report (due by April 21, 2006).\*
- Submit report on structural integrity inspection of Woods Pond Dam.\*
- Complete evaluation of existing gate at Rising Pond Dam and, if appropriate, install replacement gate.\*
- Review and submit structural integrity report on Rising Pond Dam.\*

**ITEM 15**  
**(cont'd)**  
**HOUSATONIC RIVER AREA**  
**REST OF THE RIVER**  
**(GEC850)**  
**MARCH 2006**

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

No new issues

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

None

**TABLE 15-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**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)	2/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	3/14/06
Monthly Water Column Sampling	HR-D1 (LOCATION-12)	3/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	LOCATION-1	3/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	LOCATION-1	2/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	3/14/06
Monthly Water Column Sampling	LOCATION-10	3/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	LOCATION-12	3/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	LOCATION-12	2/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	3/14/06
Monthly Water Column Sampling	LOCATION-13	3/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	LOCATION-13	2/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	3/14/06
Monthly Water Column Sampling	LOCATION-2	2/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	3/14/06
Monthly Water Column Sampling	LOCATION-7	2/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	3/14/06
Monthly Water Column Sampling	LOCATION-7	3/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	LOCATION-9	3/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	LOCATION-9	2/28/06	Water	NEA	PCB, TSS, POC, Chlorophyll-A	3/14/06
Monthly Water Column Sampling/Upper 1/2 Mile Reach Low Flow Sampling	LOCATION-2	3/28/06	Water	NEA	PCB, PCB (f) TSS, POC, Chlorophyll-A	

**Notes:**

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

**TABLE 15-2  
SAMPLE DATA RECEIVED DURING MARCH 2006**

**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, -1248	Aroclor 1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
LOCATION-1	Hubbard Avenue Bridge	2/28/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.413	1.30	0.00040
LOCATION-2	Newell Street Bridge	2/28/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.372	4.60	0.00050
LOCATION-7	Holmes Road Bridge	2/28/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.331	4.70	0.0010
LOCATION-9	New Lenox Road Bridge	2/28/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.466	2.50	0.0011
LOCATION-12	Schweitzer Bridge	2/28/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.243	1.50	0.0015
		2/28/06	[ND(0.0000220)]	[ND(0.0000220)]	[ND(0.0000220)]	[ND(0.0000220)]	[0.210]	[2.80]	[0.0013]
LOCATION-13	Division Street Bridge	2/28/06	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.391	ND(1.00)	0.00070

**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.
4. Field duplicate sample results are presented in brackets.

**ITEMS 16 & 17  
HOUSATONIC RIVER FLOODPLAIN  
RESIDENTIAL AND NON-RESIDENTIAL  
PROPERTIES ADJACENT TO 1½-MILE REACH  
(GEC710 AND GEC720)  
MARCH 2006**

\* 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.
- Selected a Remediation Contractor to conduct response actions within the Phase 4 floodplain properties.

**b. Sampling/Test Results Received**

None

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

None

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

- Submit a Supplemental Information Package for the Phase 4 floodplain properties (due April 17, 2006).
- Conduct semi-annual inspection of backfilled/restored areas at Phase 3 floodplain properties (in May).
- Work on Final Completion Reports for Phase 1 and 2 and Phase 3 floodplain properties.

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

No issues

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

None

**ITEM 18  
HOUSATONIC RIVER FLOODPLAIN  
CURRENT RESIDENTIAL PROPERTIES  
DOWNSTREAM OF CONFLUENCE  
(ACTUAL/POTENTIAL LAWNS)  
(GEC730)  
MARCH 2006**

**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, 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)  
MARCH 2006**

**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)**

Receive results from outdoor air monitoring conducted by EPA (dependent on OPCA activities), as well as, potentially, results from any additional indoor sampling conducted by the Massachusetts Department of Public Health (MDPH) at Allendale School.

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

See Item 19.d.

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

None

**ITEM 20  
OTHER AREAS  
SILVER LAKE AREA  
(GECD600)  
MARCH 2006**

\* 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 (see Item 21.a).
- Presented results of Silver Lake Bench-Scale Study at CCC meeting (March 30, 2006).

**b. Sampling/Test Results Received**

None

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

Submitted Bench-Scale Study Report for Silver Lake Sediments (March 7, 2006).

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

- Continue water level monitoring at well pairs surrounding the lake.
- Submit Addendum to Third Interim Pre-Design Investigation Report for Soils Adjacent to Silver Lake, providing validated results for lead from samples collected in December 2005 from Parcel I9-9-19, an evaluation of the need for additional soil data at that property and other properties adjacent to Silver Lake, and a proposal for the collection of additional soil data to satisfy data needs at these properties.

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

Due to a schedule coordination issue involving the NAPL bailing round at GMAs 1 and 3, groundwater elevation monitoring was not conducted at the monitoring wells surrounding the lake in March 2006. Monitoring will resume in April 2006.

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

None



**ITEM 21  
GROUNDWATER MANAGEMENT AREAS  
PLANT SITE 1 (GMA 1)  
(GECD310)  
MARCH 2006**

\* 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 activities.
- Conducted semi-annual NAPL bailing round.
- Conducted auger wipe sampling, as identified in Table 21-1.

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

- Continued automated groundwater and NAPL pumping at North Side and South Side Caissons. Approximately 5 gallons of LNAPL were recovered from the North Side Caisson in March. Approximately 3 gallons of LNAPL were recovered from the South Side Caisson in March.
- Continued routine well monitoring and manual NAPL removal activities. Approximately 2.25 liters (0.59 gallon) of LNAPL were removed from this area during March.

**East Street Area 2-South:**

- Continued automated groundwater and LNAPL removal activities. A total of approximately 5,597,592 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 1,792 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. Approximately 36 gallons of DNAPL were removed from pumping system RW-3(X) during March.
- Continued routine well monitoring and manual NAPL removal activities. Approximately 11.27 liters (2.97 gallons) of LNAPL were removed from wells in this area during March.
- Treated/discharged 5,502,034 gallons of water through 64G Groundwater Treatment Facility.
- Installed and developed LNAPL monitoring wells GMA1-22, GMA1-23, and GMA1-24.

**ITEM 21**  
**(cont'd)**  
**GROUNDWATER MANAGEMENT AREAS**  
**PLANT SITE 1 (GMA 1)**  
**(GEC310)**  
**MARCH 2006**

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

**East Street Area 2-North:**

- Continued well monitoring and NAPL removal activities. Approximately 0.62 liter (0.16 gallon) of LNAPL was recovered from this area during March.
- Collected and tankered approximately 400 gallons of water from the Building 17C West Fire Hydrant Repair to Building 64G for disposal.

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

- Continued well monitoring and NAPL removal activities. Approximately 0.03 liter (0.007 gallon) of LNAPL was recovered from this area during March.

**Lyman Street Area:**

- Continued automated groundwater and NAPL removal activities. A total of approximately 322,169 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 March.
- Continued routine well monitoring and NAPL removal activities. Approximately 4.08 liters (1.08 gallons) of DNAPL were removed from wells in this area during March. Approximately 1.9 liters (0.50 gallon) of LNAPL were removed from wells in this area during March.

**Newell Street Area II:**

- Continued routine well monitoring and NAPL removal activities. Approximately 9.59 liters (2.53 gallons) of DNAPL were recovered from this area during March.
- Removed sediment from recovery well N2SC-01I(R).

**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.

**ITEM 21  
(cont'd)  
GROUNDWATER MANAGEMENT AREAS  
PLANT SITE 1 (GMA 1)  
(GEC310)  
MARCH 2006**

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

None

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

- Continue routine monitoring activities.
- Conduct semi-annual groundwater elevation/NAPL monitoring rounds.
- Perform spring 2006 interim groundwater sampling activities.
- Following EPA approval of proposed activities contained in GE's Spring 2005 NAPL Monitoring Report (submitted on August 30, 2005), GE will:
  - 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 foot on a monthly basis until the upgraded recovery system is activated. However, those wells could not be monitored during portions of March because of access issues related to ongoing soil remediation activities.
- Due to a schedule coordination issue involving the NAPL bailing round, groundwater elevation monitoring was not conducted in March 2006 at several of the GMA 1 monitoring wells that are typically monitored on a monthly basis; however, all accessible wells that contained NAPL during the prior year were monitored. Monitoring will be conducted at all required locations in April 2006.

**ITEM 21**  
**(cont'd)**  
**GROUNDWATER MANAGEMENT AREAS**  
**PLANT SITE 1 (GMA 1)**  
**(GEC310)**  
**MARCH 2006**

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

- Several program modifications were proposed in the Spring 2005 NAPL Monitoring Report (see Item 21.d above). The installation of wells GMA1-22, GMA1-23, and GMA1-24 was approved by EPA in an electronic transmittal on March 7, 2006. EPA approval of the remaining proposed modifications is pending.
- In GE's January 30, 2006 Groundwater Quality Monitoring Interim Report for Fall 2005, GE proposed that total cyanide analyses be eliminated from the interim groundwater monitoring program and replaced by analysis of physiologically available cyanide (PAC) at locations to be monitored for cyanide presence. If approved by EPA, this modification will take effect during the next sampling round, which is scheduled for spring 2006. In addition, GE proposed that samples from two additional monitoring wells (E2SC-24 and ESA2S-64) be analyzed for PAC during the spring 2006 sampling round.

**TABLE 21-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**GROUNDWATER MANAGEMENT AREA 1  
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>
GMA1 Auger Wipe Sampling	BBLES-AUGER-W1	3/22/06	Wipe	SGS	PCB	3/27/06
GMA1 Auger Wipe Sampling	BBLES-AUGER-W2	3/22/06	Wipe	SGS	PCB	3/27/06
GMA1 Auger Wipe Sampling	BBLES-AUGER-W3	3/22/06	Wipe	SGS	PCB	3/27/06

**TABLE 21-2  
PCB DATA RECEIVED DURING MARCH 2006**

**AUGER WIPE SAMPLING  
GROUNDWATER MANAGEMENT AREA 1  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in  $\mu\text{g}/100\text{cm}^2$ )**

<b>Sample ID</b>	<b>Date Collected</b>	<b>Aroclor-1016</b>	<b>Aroclor-1221</b>	<b>Aroclor-1232</b>	<b>Aroclor-1242</b>	<b>Aroclor-1248</b>	<b>Aroclor-1254</b>	<b>Aroclor-1260</b>	<b>Total PCBs</b>
BBLES-AUGER-W1	3/22/06	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BBLES-AUGER-W2	3/22/06	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BBLES-AUGER-W3	3/22/06	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

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 parenthesis is the associated detection limit.

**TABLE 21-3  
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  
March 2006**

<b>Caisson</b>	<b>Month</b>	<b>Vol. LNAPL Collected (gallon)</b>	<b>Vol. Water Recovered (gallon)</b>	<b>Percent Downtime</b>
Northside	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
	November 2005	4.0	52,000	
	December 2005	12.0	33,900	
	January 2006	1.0	44,300	
	February 2006	1.0	27,700	
	March 2006	5.0	26,800	0.71
Southside	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	
	December 2005	0.0	112,800	
	January 2006	15.0	98,400	
	February 2006	0.0	98,500	
	March 2006	3.0	121,500	0.71

**TABLE 21-4  
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  
March 2006**

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	March 2006 Removal (liters)
<b>GMA 1 - East Street Area 1 - North</b>						
49	3/29/06	5.55	5.50	0.00	0.031	0.031
105	3/28/06	8.90	7.32	1.58	0.975	0.975
106	3/28/06	8.50	7.55	0.95	0.586	0.586
107	3/28/06	7.26	7.25	0.01	0.006	0.006
<b>GMA 1 - East Street Area 1 - South</b>						
34	3/29/06	6.05	6.02	0.03	0.019	0.019
35	3/29/06	5.86	5.85	0.01	0.006	0.006
45	3/29/06	6.60	5.75	0.85	0.524	0.524
72	3/29/06	6.72	6.71	0.01	0.006	0.006
76	3/29/06	7.28	7.12	0.16	0.099	0.099

**Total Manual LNAPL Removal for March 2006:   2.252 liters  
0.594 gallons**

Note:

1. ft BMP - feet Below Measuring Point.



**TABLE 21-5  
ROUTINE WELL MONITORING  
EAST STREET AREA 1 - NORTH & SOUTH  
GROUNDWATER MANAGEMENT AREA 1  
CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
March 2006**

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>									
49	999.90	3/29/06	5.55	5.50	0.00	---	20.90	0.00	994.35
105	1002.85	3/28/06	8.90	7.32	1.58	---	17.35	0.00	995.42
106	1004.06	3/28/06	8.50	7.55	0.95	---	12.50	0.00	996.44
107	1003.86	3/28/06	7.26	7.25	0.01	---	17.70	0.00	996.61
131	1001.18	3/28/06	4.55	4.50	0.05	---	6.45	0.00	996.68
140	1000.30	3/28/06	7.45	---	0.00	---	15.30	0.00	992.85
ES1-08	1000.85	3/28/06	5.48	---	0.00	---	13.46	0.00	995.37
North Caisson	997.84	3/1/06	18.22	18.22	0.00	---	19.80	0.00	979.62
North Caisson	997.84	3/8/06	18.30	18.29	0.01	---	19.80	0.00	979.55
North Caisson	997.84	3/16/06	18.27	18.25	0.02	---	19.80	0.00	979.59
North Caisson	997.84	3/22/06	17.25	17.24	0.01	---	19.80	0.00	980.60
North Caisson	997.84	3/29/06	18.20	18.19	0.01	---	19.80	0.00	979.65
<b>GMA 1 - East Street Area 1 - South</b>									
34	999.90	3/29/06	6.05	6.02	0.03	---	21.00	0.00	993.88
35	1000.15	3/29/06	5.86	5.85	0.01	---	9.60	0.00	994.30
45	1000.10	3/29/06	6.60	5.75	0.85	---	20.75	0.00	994.29
72	1000.62	3/29/06	6.72	6.71	0.01	---	21.94	0.00	993.91
76	1000.45	3/29/06	7.28	7.12	0.16	---	18.67	0.00	993.32
South Caisson	1001.11	3/1/06	10.69	10.68	0.01	---	15.00	0.00	990.43
South Caisson	1001.11	3/8/06	11.00	10.99	0.01	---	15.00	0.00	990.12
South Caisson	1001.11	3/16/06	11.93	11.90	0.03	---	15.00	0.00	989.21
South Caisson	1001.11	3/22/06	11.43	11.42	0.01	---	15.00	0.00	989.69
South Caisson	1001.11	3/29/06	13.17	13.16	0.01	---	15.00	0.00	987.95

Notes:

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

**TABLE 21-6**  
**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**  
**March 2006**

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
40R	March 2005	0		
	April 2005	0		1.72 - Power Outage
	May 2005	0		0.96 - Maintenance
	June 2005	0		0.36 - Power Outage
	July 2005	0		
	August 2005	0		
	September 2005	0		
	October 2005	0		
	November 2005	0		
	December 2005	0		
	January 2006	0		
	February 2006	0		
	March 2006	0		
64R	March 2005	175	292,400	
	April 2005	575	1,071,000	1.72 - Power Outage
	May 2005	550	931,300	0.96 - Maintenance
	June 2005	325	643,200	0.36 - Power Outage
	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	
	December 2005	400	1,062,900	
	January 2006	400	896,700	
	February 2006	375	899,800	
	March 2006	150	170,611	0.71
64S System	March 2005	282	905,525	
	April 2005	499	1,039,179	1.72 - Power Outage
	May 2005	300	660,761	0.96 - Maintenance
	June 2005	275	527,949	0.36 - Power Outage
	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	
	December 2005	170	927,871	
	January 2006	245	1,080,795	
	February 2006	673	1,304,005	
	March 2006	1,285	1,078,733	2.14
64V <sup>1</sup>	March 2005	675	1,342,900	
	April 2005	785	1,221,000	1.72 - Power Outage
	May 2005	254	996,400	0.96 - Maintenance
	June 2005	515	1,177,700	0.36 - Power Outage
	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	
	December 2005	564	1,117,000	
	January 2006	697	1,208,800	
	February 2006	598	1,177,900	
	March 2006	315	1,251,800	0.71

**TABLE 21-6**  
**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**  
**March 2006**

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
64X	March 2005	5	532,800	
	April 2005	0	417,600	1.72 - Power Outage
	May 2005	0	374,400	0.96 - Maintenance
	June 2005	5	504,000	3.21 - Maint. & Power Outage
	July 2005	15	417,600	3.45 - Maintenance
	August 2005	20	489,600	
	September 2005	25	403,200	
	October 2005	25	403,200	21.43
	November 2005	0	489,600	
	December 2005	6	417,600	
	January 2006	1	417,600	
	February 2006	1	388,800	
	March 2006	1	504,000	0.71
	RW-2(X)	March 2005	0	1,019,600
April 2005		0	859,500	1.72 - Power Outage
May 2005		0	730,600	0.96 - Maintenance
June 2005		0	972,100	3.21 - Maint. & Power Outage
July 2005		0	747,100	
August 2005		0	982,100	
September 2005		0	721,200	4.91
October 2005		0	529,600	
November 2005		0	573,600	
December 2005		0	491,800	
January 2006		0	710,700	
February 2006		0	1,288,600	
March 2006		0	1,423,026	0.71
RW-1(S) <sup>2</sup>		March 2005	43	1,117,949
	April 2005	1	864,198	22.41 - Maint. & Power Outage
	May 2005	0	912,416	0.96 - Maintenance
	June 2005	0	1,107,860	0.36 - Power Outage
	July 2005	17	813,490	
	August 2005	32	780,217	1.96 - Maintenance
	September 2005	4	527,699	4.91
	October 2005	43	783,765	
	November 2005	42	1,103,548	
	December 2005	40	900,898	
	January 2006	30	270,228	
	February 2006	27	1,042,895	
	March 2006	40	1,049,702	0.71
	RW-1(X)	March 2005	0	399,300
April 2005		0	354,700	1.72 - Power Outage
May 2005		0	233,700	0.96 - Maintenance
June 2005		0	328,300	3.21 - Maint. & Power Outage
July 2005		0	109,800	
August 2005		0	142,000	
September 2005		0	80,000	4.91
October 2005		0	299,300	
November 2005		0	390,700	
December 2005		0	324,500	
January 2006		0	417,500	
February 2006		0	381,500	
March 2006		0	119,720	0.71

**TABLE 21-6  
 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  
 March 2006**

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
RW-3(X)	March 2005	64		
	April 2005	53		1.72 - Power Outage
	May 2005	51		0.96 - Maintenance
	June 2005	62		0.36 - Power Outage
	July 2005	44		
	August 2005	51		11.76 - Maintenance
	September 2005	40		
	October 2005	19		35.71
	November 2005	51		5.88
	December 2005	31		
	January 2006	27		
	February 2006	20		
	March 2006	36		

Summary of Total Automated Removal	
<b>Water:</b>	<b>5,597,592 Gallons</b>
<b>LNAPL:</b>	<b>1,792 Gallons</b>
<b>DNAPL:</b>	<b>36 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 January 2006.
3. The flow meters at recovery wells RW-1(X), RW-2(X), 64X(W), and 64R were reset in March 2006.

**TABLE 21-7  
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  
March 2006**

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	March 2006 Removal (liters)
<b>20's Complex</b>						
CC	3/28/06	17.92	17.90	0.02	0.012	0.012
II	3/28/06	26.21	26.19	0.02	0.012	0.012
<b>East Street Area 2 - North</b>						
14-N	3/28/06	24.02	23.65	0.37	0.228	0.228
16-N	3/28/06	29.23	29.21	0.02	0.012	0.012
17-N	3/28/06	28.89	28.84	0.05	0.031	0.031
23-N	3/28/06	29.54	28.98	0.56	0.345	0.345
<b>East Street Area 2 - South</b>						
05	3/27/06	13.76	13.75	0.01	0.006	0.006
13	3/27/06	17.83	17.80	0.03	0.019	0.019
14	3/27/06	17.73	17.68	0.05	0.031	0.031
25R	3/27/06	25.50	19.50	6.00	3.702	3.702
26RR	3/28/06	20.86	20.85	0.01	0.006	0.006
29	3/27/06	18.55	18.05	0.50	0.031	0.031
30	3/27/06	12.90	12.25	0.65	0.401	0.401
43	3/27/06	14.79	14.78	0.01	0.006	0.006
47	3/27/06	18.30	17.65	0.65	0.401	0.401
48	3/27/06	17.25	15.60	1.65	1.018	1.018
50	3/27/06	11.00	10.20	0.80	0.494	0.494
55	3/27/06	16.90	16.55	0.35	0.216	0.216
58	3/27/06	13.22	13.20	0.02	0.012	0.012
95-04	3/27/06	16.39	14.09	2.30	0.357	0.357
95-05	3/27/06	16.05	15.82	0.23	0.142	0.142
95-07	3/27/06	22.75	19.30	3.45	0.535	0.535
GMA1-15	3/27/06	16.20	15.35	0.85	0.494	0.494
GMA1-16	3/27/06	13.86	13.22	0.64	0.395	0.395
GMA1-17E	3/27/06	15.11	15.10	0.01	0.001	0.001
GMA1-17W	3/27/06	16.57	14.98	1.59	0.981	0.981
GMA1-19	3/1/06	11.15	10.50	0.65	0.401	2.024
	3/8/06	11.60	10.80	0.80	0.494	
	3/15/06	11.30	10.80	0.50	0.308	
	3/22/06	11.55	11.00	0.55	0.339	
	3/27/06	11.88	11.10	0.78	0.481	

**Total LNAPL Removal East Street Area 2 - South for March 2006: 11.270 liters  
2.974 gallons**

**Total LNAPL Removal East Street Area 2 - North for March 2006: 0.617 liters  
0.163 gallons**

**Total LNAPL Removal 20s, 30s, & 40s Complexes for March 2006: 0.025 liters  
0.007 gallons**

**Total LNAPL Removal for March 2006: 11.912 liters  
3.143 gallons**

Note:

1. ft BMP - feet Below Measuring Point.

**TABLE 21-8**  
**64G TREATMENT PLANT DISCHARGE DATA**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**March 2006**

<b>Date</b>	<b>Housatonic River Discharge (gallons)</b>	<b>Recharge Pond Discharge (gallons)</b>	<b>Total Discharge (gallons)</b>
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	2,537,520	335,710	2,873,230
October 2005	5,156,510	177,795	5,334,305
November 2005	5,221,180	163,951	5,385,131
December 2005	5,678,290	104,185	5,782,475
January 2006	6,317,250	89,159	6,406,409
February 2006	8,371,400	114,659	8,486,059
March 2006	5,301,850	200,184	5,502,034

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 21-9**  
**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**  
**March 2006**

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>20s Complex</b>									
CC	998.84	3/28/06	17.92	17.90	0.02	---	27.20	0.00	980.94
FF	1,005.70	3/28/06	24.25	---	0.00	---	32.80	0.00	981.45
II	1,007.26	3/28/06	26.21	26.19	0.02	---	31.68	0.00	981.07
<b>East Street Area 2 - North</b>									
05-N	1,009.23	3/28/06	24.40	---	0.00	---	27.68	0.00	984.83
14-N	1,010.53	3/28/06	24.02	23.65	0.37	---	30.35	0.00	986.85
16-N	1,010.65	3/28/06	29.23	29.21	0.02	---	37.30	0.00	981.44
17-N	1,010.49	3/28/06	28.89	28.84	0.05	---	38.82	0.00	981.65
23-N	1,011.13	3/28/06	29.54	28.98	0.56	---	38.22	0.00	982.11
<b>East Street Area 2 - South</b>									
02	995.64	3/27/06	17.02	---	0.00	---	23.40	0.00	978.62
05	996.10	3/27/06	13.76	13.75	0.01	---	23.35	0.00	982.35
13	990.88	3/27/06	17.83	17.80	0.03	---	22.55	0.00	973.08
14	991.61	3/27/06	17.73	17.68	0.05	---	25.65	0.00	973.93
19	983.59	3/1/06	10.65	---	0.00	---	18.45	0.00	972.94
19	983.59	3/8/06	10.95	---	0.00	---	18.40	0.00	972.64
19	983.59	3/15/06	10.10	---	0.00	---	18.45	0.00	973.49
19	983.59	3/22/06	11.05	---	0.00	---	18.42	0.00	972.54
19	983.59	3/31/06	11.24	---	0.00	---	18.40	0.00	972.35
25R	998.31	3/27/06	25.50	19.50	6.00	---	30.78	0.00	978.39
26RR	1,000.58	3/28/06	20.86	20.85	0.01	---	28.50	0.00	979.73
29	991.59	3/27/06	18.55	18.05	0.50	---	22.00	0.00	973.51
30	989.34	3/27/06	12.90	12.25	0.65	---	22.40	0.00	977.04
40R	991.60	3/1/06	14.18	---	0.00	---	NM	0.00	977.42
40R	991.60	3/8/06	14.78	---	0.00	---	NM	0.00	976.82
40R	991.60	3/16/06	16.75	---	0.00	---	NM	0.00	974.85
40R	991.60	3/22/06	17.10	---	0.00	---	NM	0.00	974.50
40R	991.60	3/29/06	17.50	---	0.00	---	NM	0.00	974.10
43	989.67	3/27/06	14.79	14.78	0.01	---	22.50	0.00	974.89
47	991.09	3/27/06	18.30	17.65	0.65	---	23.05	0.00	973.39
48	992.39	3/27/06	17.25	15.60	1.65	---	22.70	0.00	976.67
50	985.79	3/27/06	11.00	10.20	0.80	---	23.41	0.00	975.53
55	989.45	3/27/06	16.90	16.55	0.35	---	30.05	0.00	972.88
58	985.79	3/27/06	13.22	13.20	0.02	---	24.15	0.00	972.59
64R	993.37	3/1/06	16.90	16.89	0.01	---	19.00	0.00	976.48
64R	993.37	3/8/06	17.02	17.00	0.02	---	19.00	0.00	976.37
64R	993.37	3/16/06	17.13	17.11	0.02	---	19.00	0.00	976.26
64R	993.37	3/22/06	16.90	16.87	0.03	---	19.00	0.00	976.50
64R	993.37	3/29/06	17.24	17.23	0.01	---	19.00	0.00	976.14
64S	984.48	3/1/06	19.50	P	< 0.01	---	28.70	0.00	964.98
64S	984.48	3/8/06	19.40	P	< 0.01	---	28.70	0.00	965.08
64S	984.48	3/16/06	19.35	P	< 0.01	---	28.70	0.00	965.13
64S	984.48	3/22/06	19.35	P	< 0.01	---	28.70	0.00	965.13
64S	984.48	3/29/06	19.10	P	< 0.01	---	28.70	0.00	965.38
64S-Caisson	NA	3/1/06	10.21	10.20	0.01	---	14.55	0.00	NA
64S-Caisson	NA	3/8/06	10.60	10.53	0.07	---	14.55	0.00	NA
64S-Caisson	NA	3/16/06	10.05	10.03	0.02	---	14.55	0.00	NA

**TABLE 21-9**  
**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**  
**March 2006**

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)
64S-Caisson	NA	3/22/06	10.98	10.83	0.15	---	14.55	0.00	NA
64S-Caisson	NA	3/29/06	11.80	11.77	0.03	---	14.55	0.00	NA
64V	987.29	3/1/06	22.00	21.60	0.40	P	29.60	< 0.01	965.66
64V	987.29	3/8/06	22.00	21.70	0.30	P	29.60	< 0.01	965.57
64V	987.29	3/16/06	21.70	21.40	0.30	---	29.60	0.00	965.87
64V	987.29	3/22/06	21.80	21.40	0.40	---	29.60	0.00	965.86
64V	987.29	3/29/06	21.90	21.60	0.30	P	29.60	< 0.01	965.67
64X(N)	984.83	3/1/06	12.60	12.59	0.01	---	15.85	0.00	972.24
64X(N)	984.83	3/8/06	11.98	11.97	0.01	---	15.85	0.00	972.86
64X(N)	984.83	3/16/06	11.65	P	< 0.01	---	15.85	0.00	973.18
64X(N)	984.83	3/22/06	12.26	12.25	0.01	---	15.85	0.00	972.58
64X(N)	984.83	3/29/06	12.55	P	< 0.01	---	15.85	0.00	972.28
64X(S)	981.56	3/1/06	14.75	14.73	0.02	---	23.82	0.00	966.83
64X(S)	981.56	3/8/06	15.20	15.10	0.10	---	23.82	0.00	966.45
64X(S)	981.56	3/16/06	14.75	14.73	0.02	---	23.82	0.00	966.83
64X(S)	981.56	3/22/06	15.50	15.35	0.15	---	23.82	0.00	966.20
64X(S)	981.56	3/29/06	18.95	18.91	0.04	---	23.82	0.00	962.65
64X(W)	984.87	3/1/06	18.01	17.98	0.03	---	24.35	0.00	966.89
64X(W)	984.87	3/8/06	19.40	19.36	0.04	---	24.35	0.00	965.51
64X(W)	984.87	3/16/06	18.05	17.95	0.10	---	24.35	0.00	966.91
64X(W)	984.87	3/22/06	16.65	16.55	0.10	---	24.35	0.00	968.31
64X(W)	984.87	3/29/06	15.80	15.74	0.06	---	24.35	0.00	969.13
95-04	988.70	3/27/06	16.39	14.09	2.30	---	21.70	0.00	974.45
95-05	989.45	3/27/06	16.05	15.82	0.23	---	20.06	0.00	973.61
95-07	994.91	3/27/06	22.75	19.30	3.45	---	29.37	0.00	975.37
E2SC-17	985.38	3/28/06	11.75	---	0.00	---	45.70	0.00	973.63
GMA1-14	997.43	3/27/06	18.55	---	0.00	---	23.34	0.00	978.88
GMA1-15	988.59	3/27/06	16.20	15.35	0.85	---	17.84	0.00	973.18
GMA1-16	986.82	3/27/06	13.86	13.22	0.64	---	20.00	0.00	973.56
GMA1-17E	993.03	3/27/06	15.11	15.10	0.01	---	17.30	0.00	977.93
GMA1-17W	992.63	3/27/06	16.57	14.98	1.59	---	23.24	0.00	977.54
GMA1-19	984.28	3/1/06	11.15	10.50	0.65	---	17.14	0.00	973.73
GMA1-19	984.28	3/8/06	11.60	10.80	0.80	---	17.14	0.00	973.42
GMA1-19	984.28	3/15/06	11.30	10.80	0.50	---	17.15	0.00	973.45
GMA1-19	984.28	3/22/06	11.55	11.00	0.55	---	17.13	0.00	973.24
GMA1-19	984.28	3/27/06	11.88	11.10	0.78	---	17.14	0.00	973.13
GMA1-20	983.49	3/1/06	10.20	---	0.00	---	17.30	0.00	973.29
GMA1-20	983.49	3/8/06	10.48	---	0.00	---	17.30	0.00	973.01
GMA1-20	983.49	3/15/06	10.30	---	0.00	---	17.30	0.00	973.19
GMA1-20	983.49	3/22/06	10.61	---	0.00	---	17.30	0.00	972.88
GMA1-20	983.49	3/31/06	10.85	---	0.00	---	17.30	0.00	972.64
GMA1-21	985.68	3/1/06	12.25	---	0.00	---	19.50	0.00	973.43
GMA1-21	985.68	3/8/06	12.58	---	0.00	---	19.50	0.00	973.10
GMA1-21	985.68	3/15/06	12.45	---	0.00	---	19.48	0.00	973.23
GMA1-21	985.68	3/22/06	12.70	---	0.00	---	19.48	0.00	972.98
GMA1-21	985.68	3/31/06	12.95	---	0.00	---	19.50	0.00	972.73
GMA1-22	988.45	3/23/06	15.12	---	0.00	---	19.18	0.00	973.33
GMA1-22	988.45	3/27/06	15.30	---	0.00	---	19.27	0.00	973.15



**TABLE 21-9**  
**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**  
**March 2006**

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)
GMA1-23	986.16	3/23/06	12.81	---	0.00	---	17.30	0.00	973.35
GMA1-23	986.16	3/27/06	12.91	---	0.00	---	17.30	0.00	973.25
GMA1-24	983.81	3/23/06	10.96	---	0.00	---	16.16	0.00	972.85
GMA1-24	983.81	3/27/06	11.03	---	0.00	---	16.13	0.00	972.78
HR-C-RW-1	NA	3/28/06	7.80	---	0.00	---	22.70	0.00	NA
HR-G2-RW-1	976.88	3/28/06	6.45	---	0.00	---	18.70	0.00	972.06
M-R	998.19	3/27/06	18.68	18.66	0.02	---	29.24	0.00	979.53
P3	989.25	3/27/06	5.26	---	0.00	---	13.10	0.00	983.99
RW-1(S)	987.23	3/1/06	19.70	19.60	0.10	P	28.60	< 0.01	967.62
RW-1(S)	987.23	3/8/06	19.90	19.60	0.30	P	28.60	< 0.01	967.61
RW-1(S)	987.23	3/16/06	19.55	19.05	0.50	---	28.60	0.00	968.15
RW-1(S)	987.23	3/22/06	19.75	19.45	0.30	---	28.60	0.00	967.76
RW-1(S)	987.23	3/29/06	20.10	19.80	0.30	---	28.60	0.00	967.41
RW-1(X)	982.68	3/1/06	12.80	---	0.00	---	20.80	0.00	969.88
RW-1(X)	982.68	3/8/06	13.90	---	0.00	---	20.80	0.00	968.78
RW-1(X)	982.68	3/16/06	12.50	---	0.00	---	20.80	0.00	970.18
RW-1(X)	982.68	3/22/06	13.45	---	0.00	---	20.80	0.00	969.23
RW-1(X)	982.68	3/29/06	14.00	---	0.00	---	20.80	0.00	968.68
RW-2(X)	985.96	3/1/06	12.99	---	0.00	---	15.30	0.00	972.97
RW-2(X)	985.96	3/8/06	13.40	---	0.00	---	15.30	0.00	972.56
RW-2(X)	985.96	3/16/06	13.20	---	0.00	---	15.30	0.00	972.76
RW-2(X)	985.96	3/22/06	13.80	---	0.00	---	15.30	0.00	972.16
RW-2(X)	985.96	3/29/06	14.05	---	0.00	---	15.30	0.00	971.91
RW-3(X)	980.28	3/1/06	8.50	---	0.00	42.90	44.40	1.50	971.78
RW-3(X)	980.28	3/8/06	8.90	---	0.00	42.90	44.40	1.50	971.38
RW-3(X)	980.28	3/16/06	8.30	---	0.00	43.00	44.40	1.40	971.98
RW-3(X)	980.28	3/22/06	8.90	---	0.00	42.80	44.40	1.60	971.38
RW-3(X)	980.28	3/29/06	9.10	---	0.00	42.10	44.40	2.30	971.18
<b>Housatonic River</b>									
SG-HR-1	990.73	3/1/06	19.40	See Note 7 regarding depth to water					971.33
SG-HR-1	990.73	3/8/06	19.60	See Note 7 regarding depth to water					971.13
SG-HR-1	990.73	3/15/06	18.90	See Note 7 regarding depth to water					971.83
SG-HR-1	990.73	3/22/06	19.45	See Note 7 regarding depth to water					971.28
SG-HR-1	990.73	3/31/06	19.50	See Note 7 regarding depth to water					971.23

**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.

**TABLE 21-10**  
**ACTIVE RECOVERY SYSTEMS MONTHLY SUMMARY**  
**LYMAN STREET AREA**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**March 2006**

<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>
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	302,572	--	--	--
September 2005	198,753	--	--	--
October 2005	314,247	--	--	--
November 2005	412,936	--	--	--
December 2005	332,721	--	--	--
January 2006	342,548	--	--	--
February 2006	336,595	--	--	--
March 2006	322,169	--	--	--

**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. RW-1 and RW-1R each had 6 hours of downtime during March 2006.
4. RW-2 had 18 hours of downtime during March 2006.

**TABLE 21-11  
 MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL  
 LYMAN STREET AREA  
 GROUNDWATER MANAGEMENT AREA 1  
 CONSENT DECREE MONTHLY STATUS REPORT  
 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
 March 2006**

<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>March 2006 Removal (liters)</b>
LS-21	3/27/06	12.00	10.85	1.15	0.709	0.709
LS-23	3/27/06	13.05	11.94	1.11	0.685	0.685
LS-30	3/27/06	14.10	14.08	0.02	0.012	0.012
LS-35	3/27/06	15.07	14.39	0.68	0.420	0.420
LSSC-06	3/27/06	12.00	11.88	0.12	0.074	0.074

**Total Manual LNAPL Removal for March 2006: 1.900 liters  
 0.501 gallons**

Note:

1. ft BMP - feet Below Measuring Point.

**TABLE 21-12  
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL  
LYMAN STREET AREA  
GROUNDWATER MANAGEMENT AREA 1  
CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
March 2006**

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	March 2006 Removal (liters)
LS-04	3/27/06	12.09	17.36	0.77	0.475	0.475
LS-30	3/27/06	14.10	21.43	0.77	0.475	0.475
LS-31	3/27/06	13.80	22.28	1.02	0.629	0.629
LS-34	3/27/06	13.95	26.9	1.62	0.999	0.999
LS-38	3/27/06	15.84	25.03	0.02	0.012	0.012
LSSC-07	3/1/06	10.75	24.5	0.58	0.358	1.228
	3/8/06	11.04	24.7	0.38	0.234	
	3/15/06	10.45	24.8	0.28	0.173	
	3/22/06	10.90	24.7	0.38	0.234	
	3/27/06	11.03	24.7	0.37	0.228	
LSSC-08I	3/1/06	12.45	23.37	0.01	0.006	0.025
	3/8/06	12.60	23.37	0.01	0.006	
	3/15/06	11.94	23.36	0.02	0.012	
LSSC-34I	3/27/06	13.49	28.09	0.39	0.241	0.241

**Total Manual DNAPL Removal for March 2006: 4.084 liters  
1.078 gallons**

Note:

1. ft BMP - feet Below Measuring Point.

**TABLE 21-13**  
**ROUTINE WELL MONITORING**  
**LYMAN STREET AREA**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**March 2006**

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)
LS-04	984.51	3/27/06	12.09	---	0.00	17.36	18.13	0.77	972.42
LS-13	984.65	3/27/06	Could Not Locate		0.00	---	---	0.00	NA
LS-21	983.42	3/27/06	12.00	10.85	1.15	---	12.44	0.00	972.49
LS-23	984.38	3/27/06	13.05	11.94	1.11	---	15.29	0.00	972.36
LS-30	986.440	3/27/06	14.10	14.08	0.02	21.43	22.20	0.77	972.36
LS-31	987.090	3/27/06	13.80	---	0.00	22.28	23.30	1.02	973.29
LS-32	985.75	3/27/06	13.90	---	0.00	---	22.60	0.00	971.85
LS-34	985.79	3/27/06	13.95	---	0.00	26.90	28.52	1.62	971.84
LS-35	986.80	3/27/06	15.07	14.39	0.68	---	21.62	0.00	972.36
LS-38	986.95	3/27/06	15.84	---	0.00	25.03	25.05	0.02	971.11
LSSC-06	984.91	3/27/06	12.00	11.88	0.12	---	19.35	0.00	973.02
LSSC-07	982.48	3/1/06	10.75	---	0.00	24.50	25.08	0.58	971.73
LSSC-07	982.48	3/8/06	11.04	---	0.00	24.70	25.08	0.38	971.44
LSSC-07	982.48	3/15/06	10.45	---	0.00	24.80	25.08	0.28	972.03
LSSC-07	982.48	3/22/06	10.90	---	0.00	24.70	25.08	0.38	971.58
LSSC-07	982.48	3/27/06	11.03	---	0.00	24.70	25.07	0.37	971.45
LSSC-08I	983.13	3/1/06	12.45	---	0.00	23.37	23.38	0.01	970.68
LSSC-08I	983.13	3/8/06	12.60	---	0.00	23.37	23.38	0.01	970.53
LSSC-08I	983.13	3/15/06	11.94	---	0.00	23.36	23.38	0.02	971.19
LSSC-08I	983.13	3/22/06	12.50	---	0.00	---	23.37	0.00	970.63
LSSC-08I	983.13	3/27/06	12.59	---	0.00	---	23.38	0.00	970.54
LSSC-16I	980.88	3/27/06	9.35	---	0.00	---	28.53	0.00	971.53
LSSC-34I	984.74	3/27/06	13.49	---	0.00	28.09	28.48	0.39	971.25
RW-1	984.88	3/1/06	12.09	---	0.00	P	21.00	< 0.01	972.79
RW-1	984.88	3/8/06	12.40	---	0.00	P	21.00	< 0.01	972.48
RW-1	984.88	3/16/06	12.30	---	0.00	P	21.00	< 0.01	972.58
RW-1	984.88	3/22/06	12.50	---	0.00	P	21.00	< 0.01	972.38
RW-1	984.88	3/29/06	12.66	---	0.00	P	21.00	< 0.01	972.22
RW-1 (R)	985.07	3/1/06	15.80	---	0.00	P	20.42	< 0.01	969.27
RW-1 (R)	985.07	3/8/06	15.90	---	0.00	P	20.42	< 0.01	969.17
RW-1 (R)	985.07	3/16/06	15.68	---	0.00	P	20.42	< 0.01	969.39
RW-1 (R)	985.07	3/22/06	15.65	---	0.00	P	20.42	< 0.01	969.42
RW-1 (R)	985.07	3/29/06	15.80	---	0.00	P	20.42	< 0.01	969.27
RW-2	987.82	3/1/06	14.20	---	0.00	---	21.75	0.00	973.62
RW-2	987.82	3/8/06	14.10	---	0.00	---	21.75	0.00	973.72
RW-2	987.82	3/16/06	14.00	---	0.00	---	21.75	0.00	973.82
RW-2	987.82	3/22/06	14.30	---	0.00	---	21.75	0.00	973.52
RW-2	987.82	3/29/06	14.60	---	0.00	---	21.75	0.00	973.22
RW-3	984.08	3/1/06	16.45	16.42	0.03	---	21.57	0.00	967.66
RW-3	984.08	3/8/06	16.20	16.18	0.02	---	21.57	0.00	967.90
RW-3	984.08	3/16/06	16.45	16.42	0.03	---	21.57	0.00	967.66
RW-3	984.08	3/22/06	16.50	16.47	0.03	---	21.57	0.00	967.61
RW-3	984.08	3/29/06	16.58	16.56	0.02	---	21.57	0.00	967.52

**TABLE 21-13**  
**ROUTINE WELL MONITORING**  
**LYMAN STREET AREA**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**March 2006**

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	3/1/06	16.25			See Note 5 regarding depth to water			970.07
BM-2A	986.32	3/8/06	16.35			See Note 5 regarding depth to water			969.97
BM-2A	986.32	3/15/06	16.05			See Note 5 regarding depth to water			970.27
BM-2A	986.32	3/22/06	16.25			See Note 5 regarding depth to water			970.07
BM-2A	986.32	3/31/06	16.40			See Note 5 regarding depth to water			969.92

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
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 21-14**  
**ACTIVE DNAPL RECOVERY SYSTEMS MONTHLY SUMMARY**  
**NEWELL STREET AREA II**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**March 2006**

Recovery System	Date	Total Gallons Recovered
<b>System 1 <sup>(1)</sup></b>	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>
	December 2005	-- <sup>(4)</sup>
	January 2006	-- <sup>(4)</sup>
	February 2006	-- <sup>(4)</sup>
	March 2006	-- <sup>(4)</sup>
<b>System 2 <sup>(2)</sup></b>	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>
	December 2005	-- <sup>(4)</sup>
	January 2006	-- <sup>(4)</sup>
	February 2006	-- <sup>(4)</sup>
	March 2006	-- <sup>(4)</sup>
<b>Total Automated DNAPL Removal for March 2006:</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 21-15  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**CONSENT DECREE MONTHLY STATUS REPORT  
GROUNDWATER MANAGEMENT AREA 1 - NEWELL STREET AREA II  
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL  
March 2006**

<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>March 2006 Removal (liters)</b>
MW-1D	3/27/06	14.38	39.10	0.31	0.191	0.191
MW-1S	3/27/06	11.75	19.88	0.49	0.303	0.303
N2SC-07	3/27/06	12.67	37.73	0.43	0.265	0.265
N2SC-08	3/27/06	12.73	42.56	0.02	1.655	1.655
N2SC-09I	3/27/06	12.04	41.12	2.41	0.161	0.161
N2SC-13I	3/27/06	11.50	40.13	0.87	2.149	2.149
N2SC-14	3/27/06	14.44	38.35	1.75	4.324	4.324
NS-30	3/27/06	12.66	36.95	0.17	0.105	0.105
NS-32	3/27/06	13.23	39.08	0.71	0.439	0.439

**Total DNAPL Removal for March 2006: 9.592 liters  
2.531 gallons**

Note:

1. ft BMP - feet Below Measuring Point.



**TABLE 21-16**  
**ROUTINE WELL MONITORING**  
**NEWELL STREET AREA II**  
**GROUNDWATER MANAGEMENT AREA 1**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**March 2006**

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)
MW-1D	987.20	3/27/06	14.38	---	0.00	39.10	39.41	0.31	972.82
MW-1S	986.60	3/27/06	11.75	---	0.00	19.88	20.37	0.49	974.85
N2SC-01I	984.99	3/1/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-01I	984.99	3/8/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-01I	984.99	3/15/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-01I	984.99	3/22/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-01I	984.99	3/27/06	13.61	---	0.00	---	38.05	0.00	971.38
N2SC-01I(R)	985.98	3/1/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-01I(R)	985.98	3/8/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-01I(R)	985.98	3/15/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-01I(R)	985.98	3/22/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-01I(R)	985.98	3/27/06	13.61	---	0.00	---	38.05	0.00	972.37
N2SC-01I(R)	985.98	3/30/06	13.80	---	0.00	---	38.52	0.00	972.18
N2SC-01I(R)	985.98	3/31/06	13.75	---	0.00	---	40.71	0.00	972.23
N2SC-02	985.56	3/27/06	13.83	---	0.00	---	40.50	0.00	971.73
N2SC-03I	985.33	3/1/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-03I	985.33	3/8/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-03I	985.33	3/15/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-03I	985.33	3/22/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-03I	985.33	3/27/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-03I(R)	986.08	3/1/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-03I(R)	986.08	3/8/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-03I(R)	986.08	3/15/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-03I(R)	986.08	3/22/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-03I(R)	986.08	3/27/06	13.26	---	0.00	---	37.67	0.00	972.82
N2SC-07	984.61	3/27/06	12.67	---	0.00	37.73	38.16	0.43	971.94
N2SC-08	986.07	3/27/06	12.73	---	39.88	42.56	42.58	0.02	1,010.43
N2SC-09I	987.77	3/27/06	12.04	---	40.86	41.12	43.53	2.41	1,013.73
N2SC-13I	984.75	3/27/06	11.50	---	0.00	40.13	41.00	0.87	973.25
N2SC-14	985.06	3/1/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-14	985.06	3/8/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-14	985.06	3/15/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-14	985.06	3/22/06	Well is Inaccessible Due to Excavation				---	0.00	NA
N2SC-14	985.06	3/27/06	14.44	---	0.00	38.35	40.10	1.75	970.62
N2SC-16	985.62	3/27/06	15.79	---	0.00	---	44.13	0.00	969.83
NS-10	984.59	3/27/06	Unable to Locate		0.00	---	---	0.00	NA
NS-15	982.76	3/1/06	Well is Severely Damaged				---	0.00	NA
NS-15	982.76	3/8/06	Well is Severely Damaged				---	0.00	NA
NS-15	982.76	3/15/06	Well is Severely Damaged				---	0.00	NA
NS-15	982.76	3/22/06	Well is Severely Damaged				---	0.00	NA
NS-15	982.76	3/27/06	Well is Severely Damaged				---	0.00	NA
NS-30	985.99	3/1/06	Well is Inaccessible Due to Excavation				---	0.00	NA
NS-30	985.99	3/8/06	Well is Inaccessible Due to Excavation				---	0.00	NA
NS-30	985.99	3/15/06	Well is Inaccessible Due to Excavation				---	0.00	NA
NS-30	985.99	3/22/06	Well is Inaccessible Due to Excavation				---	0.00	NA
NS-30	985.99	3/27/06	12.66	---	0.00	36.95	37.12	0.17	973.33
NS-32	986.20	3/1/06	Well is Inaccessible Due to Excavation				---	0.00	NA
NS-32	986.20	3/8/06	Well is Inaccessible Due to Excavation				---	0.00	NA
NS-32	986.20	3/15/06	Well is Inaccessible Due to Excavation				---	0.00	NA
NS-32	986.20	3/22/06	Well is Inaccessible Due to Excavation				---	0.00	NA
NS-32	986.20	3/27/06	13.23	---	0.00	39.08	39.79	0.71	972.97

**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 21-17  
ROUTINE WELL MONITORING  
SILVER LAKE AREA  
GROUNDWATER MANAGEMENT AREA 1  
CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
March 2006**

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>Staff Gauge within Silver Lake</b>									
Silver Lake Gauge	980.30	3/1/06	3.09	See Note 4 regarding depth to water					983.39
Silver Lake Gauge	980.30	3/8/06	3.18	See Note 4 regarding depth to water					983.48
Silver Lake Gauge	980.30	3/15/06	2.98	See Note 4 regarding depth to water					983.28
Silver Lake Gauge	980.30	3/22/06	3.15	See Note 4 regarding depth to water					983.45
Silver Lake Gauge	980.30	3/31/06	3.61	See Note 4 regarding depth to water					983.91

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 survey reference point was established on the Silver Lake staff gauge. 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.
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)**  
**MARCH 2006**

\* 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**

None

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

- Continue routine river elevation monitoring.
- Conduct semi-annual groundwater elevation monitoring.
- Perform spring 2006 interim groundwater sampling activities.

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

Due to a schedule coordination issue involving the NAPL bailing round at GMAs 1 and 3, surface water elevation monitoring was not conducted at the Housatonic River monitoring point at GMA 2 in March 2006. Monitoring will resume in April 2006.

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

Received EPA approval of GE's January 30, 2006 Groundwater Quality Monitoring Interim Report for Fall 2005, including modifications proposed therein (March 23, 2006).

**ITEM 23**  
**GROUNDWATER MANAGEMENT AREAS**  
**PLANT SITE 2 (GMA 3)**  
**(GEC330)**  
**MARCH 2006**

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

**a. Activities Undertaken/Completed**

- Conducted auger wipe sampling, as identified in Table 23-1.
- Conducted routine groundwater elevation and NAPL monitoring, including semi-annual NAPL bailing round. Approximately 17.06 liters (4.50 gallons) of LNAPL were removed by the automatic skimmer located in well 51-21 and an additional 7.53 liters (1.99 gallons) of LNAPL were manually removed from the wells in this area (see Table 23-3).
- Replaced piezometer UB-PZ-2 with new well GMA3-15.
- Replaced well 39D with new well 39D-R.
- Developed new wells 39D-R and GMA3-15 and redeveloped well 16C-R.

**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 ongoing groundwater and NAPL monitoring and recovery activities.
- Perform spring 2006 baseline and interim groundwater sampling activities (see Item 23.f below).
- Following EPA review of GE's Fall 2005 Baseline Groundwater Quality and NAPL Monitoring Interim Report (submitted on February 27, 2006), take appropriate actions to evaluate the potential volatilization of constituents observed in well 51-8 into the indoor air of Building 51 (see Item 23.e below).

**ITEM 23  
(cont'd)  
GROUNDWATER MANAGEMENT AREAS  
PLANT SITE 2 (GMA 3)  
(GEC330)  
MARCH 2006**

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

- In its Spring 2005 Baseline Groundwater Quality and NAPL Monitoring Interim Report (submitted on August 30, 2005), GE proposed to collect a groundwater sample from well 51-8 and, if necessary, a NAPL-saturated soil sample, and to perform desktop modeling of the potential volatilization of constituents observed in well 51-8 to the indoor air of Building 51. In its March 8, 2006 conditional approval letter for that report, EPA expressed disagreement with that proposal and stated that it would provide further direction on this issue in its forthcoming response to the Fall 2005 Baseline Groundwater Quality and NAPL Monitoring Interim Report (which reiterated GE's proposal).
- Due to a schedule coordination issue involving the NAPL bailing round, groundwater elevation monitoring was not conducted in March 2006 at several of the GMA 3 monitoring wells that are typically monitored on a monthly basis; however, all accessible wells that contained NAPL during the prior year were monitored. Monitoring will be conducted at all required locations in April 2006.

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

- Received EPA conditional approval of GE's Spring 2005 Baseline Groundwater Quality and NAPL Monitoring Interim Report, including approval of some but not all modifications proposed therein (March 8, 2006).
- Several program modifications, including the extension and modification of the baseline groundwater and NAPL monitoring programs, were proposed in the Fall 2005 Baseline Groundwater Quality and NAPL Monitoring Interim Report.

**TABLE 23-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**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>
Parratt-Wolff Auger Wipe Sampling	PW-AUGER-W1	3/23/06	Wipe	SGS	PCB	3/27/06
Parratt-Wolff Auger Wipe Sampling	PW-AUGER-W2	3/23/06	Wipe	SGS	PCB	3/27/06
Parratt-Wolff Auger Wipe Sampling	PW-AUGER-W3	3/23/06	Wipe	SGS	PCB	3/27/06

**TABLE 23-2  
PCB DATA RECEIVED DURING MARCH 2006**

**PARRATT-WOLFF AUGER WIPE SAMPLING  
GROUNDWATER MANAGEMENT AREA 3  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
(Results are presented in  $\mu\text{g}/100\text{cm}^2$ )**

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
PW-AUGER-W1	3/23/06	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
PW-AUGER-W2	3/23/06	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
PW-AUGER-W3	3/23/06	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

**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 parenthesis is the associated detection limit.

**TABLE 23-3**  
**MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL**  
**GROUNDWATER MANAGEMENT AREA 3**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**March 2006**

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	March 2006 Removal (liters)
51-05	3/28/06	10.08	10.05	0.03	0.019	0.019
51-08	3/28/06	10.85	10.66	0.19	0.117	0.117
51-15	3/28/06	10.01	9.96	0.05	0.031	0.031
51-16R	3/28/06	10.30	9.97	0.33	0.204	0.204
51-17	3/28/06	10.18	9.87	0.31	0.191	0.191
51-19	3/28/06	10.82	10.16	0.66	0.407	0.407
51-21	3/1/06	14.55	P	< 0.01	3.411	17.055
	3/8/06	14.87	P	< 0.01	2.274	
	3/16/06	14.90	P	< 0.01	5.685	
	3/22/06	15.00	P	< 0.01	2.274	
	3/29/06	15.15	---	0.00	3.411	
59-03R	3/28/06	12.15	11.04	1.11	0.685	0.685
59-07	3/28/06	11.36	11.34	0.02	0.012	0.012
GMA3-10	3/15/06	10.90	10.55	0.35	0.216	0.605
	3/28/06	11.45	10.82	0.63	0.389	
GMA3-12	3/8/06	11.10	10.71	0.39	0.962	2.302
	3/15/06	11.30	10.93	0.37	0.914	
	3/28/06	11.75	11.16	0.59	0.426	
GMA3-13	3/1/06	10.85	10.20	0.65	0.401	2.754
	3/8/06	11.00	10.51	0.49	0.302	
	3/15/06	11.10	10.70	0.40	0.247	
	3/22/06	11.10	10.90	0.20	0.123	
	3/28/06	11.66	10.98	0.68	1.681	
UB-PZ-3	3/28/06	12.22	11.65	0.57	0.198	0.198

**Total Automated LNAPL Removal at well 51-21 for March 2006: 17.055 liters**  
**4.50 Gallons**

**Total Manual LNAPL Removal at all other wells for March 2006: 7.525 liters**  
**1.99 Gallons**

**Total LNAPL Removed for March 2006: 24.580 liters**  
**6.49 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 3**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**March 2006**

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)
016C-R	993.23	3/29/06	8.06	---	0.00	---	102.33	0.00	985.17
039D-R	994.73	3/29/06	9.84	---	0.00	---	64.43	0.00	984.89
51-05	996.44	3/28/06	10.08	10.05	0.03	---	11.85	0.00	986.39
51-06	997.36	3/28/06	10.40	---	0.00	---	14.35	0.00	986.96
51-08	997.08	3/1/06	10.09	10.05	0.04	---	14.68	0.00	987.03
51-08	997.08	3/8/06	10.32	10.30	0.02	---	14.68	0.00	986.78
51-08	997.08	3/15/06	10.50	10.45	0.05	---	14.68	0.00	986.63
51-08	997.08	3/22/06	10.58	10.55	0.03	---	14.68	0.00	986.53
51-08	997.08	3/28/06	10.85	10.66	0.19	---	14.60	0.00	986.41
51-15	996.43	3/28/06	10.01	9.96	0.05	---	14.33	0.00	986.47
51-16R	996.39	3/28/06	10.30	9.97	0.33	---	14.60	0.00	986.40
51-17	996.43	3/28/06	10.18	9.87	0.31	---	14.48	0.00	986.54
51-19	996.43	3/28/06	10.82	10.16	0.66	---	14.04	0.00	986.22
51-21	1001.49	3/1/06	14.55	P	< 0.01	---	NM	0.00	986.94
51-21	1001.49	3/8/06	14.87	P	< 0.01	---	NM	0.00	986.62
51-21	1001.49	3/16/06	14.90	P	< 0.01	---	NM	0.00	986.59
51-21	1001.49	3/22/06	15.00	P	< 0.01	---	NM	0.00	986.49
51-21	1001.49	3/29/06	15.15	---	0.00	---	NM	0.00	986.34
59-03R	997.64	3/28/06	12.15	11.04	1.11	---	17.02	0.00	986.52
59-07	997.96	3/28/06	11.36	11.34	0.02	---	23.45	0.00	986.62
GMA3-10	997.54	3/1/06	10.25	10.10	0.15	---	17.95	0.00	987.43
GMA3-10	997.54	3/8/06	10.51	10.37	0.14	---	17.95	0.00	987.16
GMA3-10	997.54	3/15/06	10.90	10.55	0.35	---	17.95	0.00	986.97
GMA3-10	997.54	3/22/06	10.92	10.73	0.19	---	17.95	0.00	986.80
GMA3-10	997.54	3/28/06	11.45	10.82	0.63	---	17.90	0.00	986.68
GMA3-12	997.84	3/1/06	10.61	10.45	0.16	---	21.20	0.00	987.38
GMA3-12	997.84	3/8/06	11.10	10.71	0.39	---	21.20	0.00	987.10
GMA3-12	997.84	3/15/06	11.30	10.93	0.37	---	21.24	0.00	986.88
GMA3-12	997.84	3/22/06	11.22	11.06	0.16	---	21.22	0.00	986.77
GMA3-12	997.84	3/28/06	11.75	11.16	0.59	---	21.12	0.00	986.64
GMA3-13	997.73	3/1/06	10.85	10.20	0.65	---	17.74	0.00	987.48
GMA3-13	997.73	3/8/06	11.00	10.51	0.49	---	17.74	0.00	987.19
GMA3-13	997.73	3/15/06	11.10	10.70	0.40	---	17.73	0.00	987.00
GMA3-13	997.73	3/22/06	11.10	10.90	0.20	---	17.74	0.00	986.82
GMA3-13	997.73	3/28/06	11.66	10.98	0.68	---	17.62	0.00	986.70
GMA3-15	996.74	3/29/06	11.05	---	0.00	---	17.48	0.00	985.69
UB-PZ-3	998.15	3/28/06	12.22	11.65	0.57	---	13.40	0.00	986.46

**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
6. Survey reference points were established on the GMA 3 staff gauges. 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 24  
GROUNDWATER MANAGEMENT AREAS  
PLANT SITE 3 (GMA 4)  
(GEC340)  
MARCH 2006**

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

**a. Activities Undertaken/Completed**

- Conducted groundwater elevation monitoring at well GMA4-5 in conjunction with sampling activities conducted at the Commercial Street Site (subject to an Administrative Consent Order executed by GE and MDEP).
- Installed and developed new well GMA4-6 along Tyler Street Extension.
- Inspected wells NY-3 and NY-4. Replacement wells at these locations were not required.

**b. Sampling/Test Results Received**

See attached table.

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

None

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

- Continue routine monitoring at well GMA4-3.
- Conduct semi-annual groundwater elevation monitoring (see Item 24.f below).
- Perform spring 2006 interim groundwater sampling activities (see Item 24.f below).

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

Due to a schedule coordination issue involving the NAPL bailing round at GMAs 1 and 3, groundwater elevation monitoring was not conducted at monitoring well GMA4-3 in March 2006. Monitoring will resume in April 2006.

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

- In GE's 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.

**ITEM 24**  
**(cont'd)**  
**GROUNDWATER MANAGEMENT AREAS**  
**PLANT SITE 3 (GMA 4)**  
**(GECD340)**  
**MARCH 2006**

**f. Proposed/Approved Work Plan Modifications (cont'd)**

- In GE's Groundwater Quality Monitoring Interim Report for Fall 2005 (submitted on February 27, 2006), GE proposed that total cyanide analyses be eliminated from the interim groundwater monitoring program and replaced by analysis of physiologically available cyanide (PAC) at locations to be monitored for cyanide presence. If approved by EPA, this modification will take effect during the next sampling round, which is scheduled for spring 2006. In addition, GE proposed modifications to the groundwater elevation monitoring network (including installation of new well GMA4-6) and also proposed to replace well OPCA-MW-1 with well GMA4-4 if the former well is removed as part of an expansion of the Hill 78 OPCA. The installation of GMA4-6 was approved by EPA in an electronic transmittal on March 7, 2006. EPA approval of the remaining proposed modifications is pending.

**TABLE 24-1**  
**ROUTINE WELL MONITORING**  
**GROUNDWATER MANAGEMENT AREA 4**  
**CONSENT DECREE MONTHLY STATUS REPORT**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
**March 2006**

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)
GMA4-5	993.34	3/29/06	11.46	---	0.00	---	18.13	0.00	981.88
GMA4-6	1,009.12	3/28/06	10.12	---	0.00	---	12.50	0.00	999.00
NY-3	1,005.49	3/22/06	15.23	---	0.00	---	25.00	0.00	990.26
NY-4	1,024.40	3/22/06	8.08	---	0.00	---	31.25	0.00	1,016.32

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)  
(GECD350)  
MARCH 2006**

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

**a. Activities Undertaken/Completed**

- Inspected two monitoring wells which were not monitored in fall 2005. These wells were either unable to be opened (GMA5-4) or unable to be located (GMA5-5).
- Conducted supplemental groundwater elevation monitoring activities.

**b. Sampling/Test Results Received**

See attached table.

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

None

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

Conduct semi-annual groundwater elevation monitoring activities (see Item 25.f below).

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

In a November 10, 2004 letter to GE, EPA directed GE to postpone interim groundwater quality sampling activities until groundwater elevation monitoring data demonstrate that groundwater flow is not being artificially influenced by the temporary dam that was then being maintained as part of the remediation of the 1½ Mile Reach of the Housatonic River. In a January 30, 2006 letter to EPA, GE proposed to resume annual interim groundwater sampling, provided that the temporary dam has been removed and groundwater flow is no longer influenced by the dam. The dam has been removed and GE has conducted a supplemental groundwater elevation monitoring round. Following assessment of the data, GE will discuss a schedule to resume groundwater sampling with EPA.

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

Received EPA approval of GE's January 30, 2006 proposal to resume interim groundwater sampling after EPA's temporary dam is removed and groundwater conditions are no longer influenced by that dam (March 23, 2006).

**TABLE 25-1  
SUPPLEMENTAL WELL MONITORING  
GROUNDWATER MANAGEMENT AREA 5**

**CONSENT DECREE MONTHLY STATUS REPORT  
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS  
March 2006**

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	3/30/05	13.75	---	0.00	---	16.75	0.00	978.35
GES-8	990.15	3/30/05	11.25	---	0.00	---	16.70	0.00	978.90
GES-9	990.72	3/30/05	15.57	---	0.00	---	16.62	0.00	975.15
GMA 5-1	984.59	3/30/05	9.50	---	0.00	---	15.70	0.00	975.09
GMA 5-3	989.14	3/30/05	17.28	---	0.00	---	24.92	0.00	971.86
GMA 5-4	979.10	3/30/05	8.98	---	0.00	---	18.10	0.00	970.12
GMA 5-7	986.75	3/30/05	15.69	---	0.00	---	27.80	0.00	971.06
GMA 5-8	984.69	3/30/05	12.45	---	0.00	---	17.78	0.00	972.24
GT-7	989.76	3/30/05	17.85	---	0.00	---	24.10	0.00	971.91
GT-101	NA	3/30/05	17.91	---	0.00	---	24.32	0.00	NA
GT-102	NA	3/30/05	17.90	---	0.00	---	24.45	0.00	NA
RW-2	NA	3/30/05	18.15	---	0.00	---	20.15	0.00	NA
<b>GMA 5 - Former Oxbow Area C</b>									
C-1	987.82	3/30/05	16.90	---	0.00	---	22.65	0.00	970.92
C-2	979.25	3/30/05	8.46	---	0.00	---	18.45	0.00	970.79
GMA 5-2	982.66	3/30/05	10.68	---	0.00	---	20.70	0.00	971.98
GMA 5-5	982.64	3/30/05	12.00	---	0.00	---	18.80	0.00	970.64
GMA 5-6	979.23	3/30/05	8.84	---	0.00	---	15.35	0.00	970.39

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  
February 2006***

**TABLE A-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**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-A7166	3/6/06	Water	Columbia	Oil & Grease	3/16/06
NPDES Sampling	001-A7168	3/6/06	Water	SGS	PCB	3/21/06
NPDES Sampling	001-A7175	3/7/06	Water	Columbia	TSS	
NPDES Sampling	005-A7154/A7155	2/21/06	Water	Columbia	TSS	3/9/06
NPDES Sampling	005-A7163/A7164	2/28/06	Water	SGS	PCB	3/10/06
NPDES Sampling	005-A7176/A7177	3/7/06	Water	Columbia	TSS, BOD	
NPDES Sampling	005-A7176/A7177	3/7/06	Water	SGS	PCB	3/17/06
NPDES Sampling	005-A7192/A7193	3/14/06	Water	SGS	PCB	3/21/06
NPDES Sampling	005-A7202/A7203	3/21/06	Water	SGS	PCB	3/28/06
NPDES Sampling	005-A7213/A7214	3/28/06	Water	SGS	PCB	
NPDES Sampling	09B-A7152	2/20/06	Water	Columbia	TSS, BOD	3/1/06
NPDES Sampling	09B-A7161	2/27/06	Water	Columbia	TSS, BOD	3/9/06
NPDES Sampling	09B-A7178	3/7/06	Water	Columbia	TSS, BOD	
NPDES Sampling	09B-A7194	3/14/06	Water	Columbia	TSS, BOD	3/27/06
NPDES Sampling	09B-A7204	3/21/06	Water	Columbia	TSS, BOD	3/28/06
NPDES Sampling	09B-A7215	3/28/06	Water	Columbia	TSS, BOD	
NPDES Sampling	09C-A7141	2/13/06	Water	Columbia	Oil & Grease	3/9/06
NPDES Sampling	09C-A7173	3/6/06	Water	Columbia	Oil & Grease	
NPDES Sampling	09C-A7189	3/13/06	Water	Columbia	Oil & Grease	3/27/06
NPDES Sampling	09C-A7199	3/20/06	Water	Columbia	Oil & Grease	3/28/06
NPDES Sampling	09C-A7210	3/27/06	Water	Columbia	Oil & Grease	
NPDES Sampling	64G-A7150	2/20/06	Water	Columbia	Oil & Grease	3/1/06
NPDES Sampling	64G-A7159	2/27/06	Water	Columbia	Oil & Grease	3/9/06
NPDES Sampling	64G-A7171	3/6/06	Water	Columbia	Oil & Grease	
NPDES Sampling	64G-A7187	3/13/06	Water	Columbia	Oil & Grease	3/27/06
NPDES Sampling	64G-A7197	3/20/06	Water	Columbia	Oil & Grease	3/28/06
NPDES Sampling	64G-A7208	3/27/06	Water	Columbia	Oil & Grease	
NPDES Sampling	64T-A7148	2/20/06	Water	Columbia	Oil & Grease	3/1/06
NPDES Sampling	64T-A7157	2/27/06	Water	Columbia	Oil & Grease	3/9/06
NPDES Sampling	64T-A7169	3/6/06	Water	Columbia	Oil & Grease	
NPDES Sampling	64T-A7185	3/13/06	Water	Columbia	Oil & Grease	3/27/06
NPDES Sampling	64T-A7195	3/20/06	Water	Columbia	Oil & Grease	3/28/06
NPDES Sampling	64T-A7206	3/27/06	Water	Columbia	Oil & Grease	
NPDES Sampling	A7179R	3/10/06	Water	Aquatec	Acute Toxicity Test	3/27/06



**TABLE A-1  
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING MARCH 2006**

**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	A7179R	3/10/06	Water	Columbia	TSS	
NPDES Sampling	A7179RCN	3/10/06	Water	Columbia	CN	3/27/06
NPDES Sampling	A7179RTM	3/10/06	Water	Columbia	Metals (10)	3/27/06
NPDES Sampling	A7180C	3/10/06	Water	Aquatec	Acute Toxicity Test	3/27/06
NPDES Sampling	A7180C	3/10/06	Water	Columbia	TSS	
NPDES Sampling	A7180CCN	3/10/06	Water	Columbia	CN	3/27/06
NPDES Sampling	A7180CDM	3/10/06	Water	Columbia	Filtered Metals (8)	3/27/06
NPDES Sampling	A7180CTM	3/10/06	Water	Columbia	Metals (10)	3/27/06
NPDES Sampling	APR06WK1	3/28/06	Water	Columbia	Cu, Pb, Zn	
NPDES Sampling	FEB06WK3	2/14/06	Water	Columbia	Cu, Pb, Zn	3/9/06
NPDES Sampling	FEB06WK4	2/21/06	Water	Columbia	Cu, Pb, Zn	3/9/06
NPDES Sampling	MAR06WK1	2/28/06	Water	Columbia	Cu, Pb, Zn	3/9/06
NPDES Sampling	MAR06WK2	3/7/06	Water	Columbia	Cu, Pb, Zn	
NPDES Sampling	MAR06WK3	3/14/06	Water	Columbia	Cu, Pb, Zn	3/27/06
NPDES Sampling	MAR06WK4	3/21/06	Water	Columbia	Cu, Pb, Zn	3/28/06

TABLE A-2  
DATA RECEIVED DURING MARCH 2006

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

Parameter	Sample ID: Date Collected:	001-A7166 03/06/06	001-A7168 03/06/06	005-A7154/A7155 02/21/06	005-A7163/A7164 02/28/06	005-A7176/A7177 03/07/06	005-A7192/A7193 03/14/06	005-A7202/A7203 03/21/06
<b>PCBs-Unfiltered</b>								
Aroclor-1254		NA	0.00010	NA	ND(0.000065)	0.00016	ND(0.000065)	ND(0.000065)
Total PCBs		NA	0.00010	NA	ND(0.000065)	0.00016	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	NA	NA
Oil & Grease		ND(5.0)	NA	NA	NA	NA	NA	NA
Total Suspended Solids		NA	NA	ND(1.01)	NA	NA	NA	NA

TABLE A-2  
DATA RECEIVED DURING MARCH 2006

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

Parameter	Sample ID: Date Collected:	09B-A7152 02/20/06	09B-A7161 02/27/06	09B-A7194 03/14/06	09B-A7204 03/21/06	09C-A7141 02/13/06	09C-A7189 03/13/06	09C-A7199 03/20/06	64G-A7150 02/20/06	64G-A7159 02/27/06
<b>PCBs-Unfiltered</b>										
Aroclor-1254		NA	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs		NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Inorganics-Unfiltered</b>										
Aluminum		NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium		NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide		NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium		NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Inorganics-Filtered</b>										
Aluminum		NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium		NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium		NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper		NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead		NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel		NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver		NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc		NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>Conventionals</b>										
Biological Oxygen Demand (5-day)		ND(2.0)	ND(2.0)	ND(2.0)	2.4	NA	NA	NA	NA	NA
Oil & Grease		NA	NA	NA	NA	ND(5.0)	ND(5.0)	ND(5.3)	ND(5.0)	ND(5.0)
Total Suspended Solids		27.5	13.7	100	18.6	NA	NA	NA	NA	NA

TABLE A-2  
DATA RECEIVED DURING MARCH 2006

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

Parameter	Sample ID: Date Collected:	64G-A7187 03/13/06	64G-A7197 03/20/06	64T-A7148 02/20/06	64T-A7157 02/27/06	64T-A7185 03/13/06	64T-A7195 03/20/06	A7179RCN 03/10/06	A7179RTM 03/10/06
<b>PCBs-Unfiltered</b>									
Aroclor-1254		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	0.0361
Cadmium		NA	NA	NA	NA	NA	NA	NA	ND(0.000428)
Calcium		NA	NA	NA	NA	NA	NA	NA	21.9
Chromium		NA	NA	NA	NA	NA	NA	NA	ND(0.000857)
Copper		NA	NA	NA	NA	NA	NA	NA	ND(0.00540)
Cyanide		NA	NA	NA	NA	NA	NA	ND(0.0100)	NA
Lead		NA	NA	NA	NA	NA	NA	NA	ND(0.000237)
Magnesium		NA	NA	NA	NA	NA	NA	NA	7.76
Nickel		NA	NA	NA	NA	NA	NA	NA	ND(0.00327)
Silver		NA	NA	NA	NA	NA	NA	NA	ND(0.000803)
Zinc		NA	NA	NA	NA	NA	NA	NA	ND(0.00421)
<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(5.3)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.3)	NA	NA
Total Suspended Solids		NA	NA	NA	NA	NA	NA	NA	NA

**TABLE A-2  
DATA RECEIVED DURING MARCH 2006**

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

Parameter	Sample ID: Date Collected:	A7180CCN 03/10/06	A7180CDM 03/10/06	A7180CTM 03/10/06	FEB06WK3 02/14/06	FEB06WK4 02/21/06	MAR06WK1 02/28/06	MAR06WK3 03/14/06	MAR06WK4 03/21/06
<b>PCBs-Unfiltered</b>									
Aroclor-1254		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	1.04	NA	NA	NA	NA	NA
Cadmium		NA	NA	ND(0.000428)	NA	NA	NA	NA	NA
Calcium		NA	NA	90.7	NA	NA	NA	NA	NA
Chromium		NA	NA	0.00323	NA	NA	NA	NA	NA
Copper		NA	NA	0.0853	ND(0.0200)	ND(0.0100)	ND(0.0100)	0.0449	ND(0.0200)
Cyanide		0.0516	NA	NA	NA	NA	NA	NA	NA
Lead		NA	NA	0.00702	ND(0.00500)	ND(0.00500)	ND(0.00500)	0.0506	ND(0.00500)
Magnesium		NA	NA	33.7	NA	NA	NA	NA	NA
Nickel		NA	NA	ND(0.00327)	NA	NA	NA	NA	NA
Silver		NA	NA	ND(0.000803)	NA	NA	NA	NA	NA
Zinc		NA	NA	0.0600	ND(0.0200)	ND(0.0100)	ND(0.0100)	0.155	ND(0.0200)
<b>Inorganics-Filtered</b>									
Aluminum		NA	0.0705	NA	NA	NA	NA	NA	NA
Cadmium		NA	ND(0.000428)	NA	NA	NA	NA	NA	NA
Chromium		NA	0.00140	NA	NA	NA	NA	NA	NA
Copper		NA	0.0150	NA	NA	NA	NA	NA	NA
Lead		NA	ND(0.000237)	NA	NA	NA	NA	NA	NA
Nickel		NA	ND(0.00327)	NA	NA	NA	NA	NA	NA
Silver		NA	ND(0.000803)	NA	NA	NA	NA	NA	NA
Zinc		NA	0.0345	NA	NA	NA	NA	NA	NA
<b>Conventionals</b>									
Biological Oxygen Demand (5-day)		NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease		NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids		NA	NA	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 parenthesis 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.

***Attachment B***

---

***NPDES Discharge Monitoring Reports  
January 2006***

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

005 1  
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
06	01	01		06	01	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			
BOD, 5-DAY (20 DEG. C) 00310 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT			( 26 )	*****	*****	*****				
	PERMIT REQUIREMENT	90 MD AVG	135 DAILY MX	LBS/DY	*****	*****	*****	****	0	01/30	GR ONCE / MONTH COMPOS
SOLIDS, TOTAL SUSPENDED 00530 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT			( 26 )	*****	*****	*****				
	PERMIT REQUIREMENT	188 MD AVG	270 DAILY MX	LBS/DY	*****	*****	*****	****	0	01/30	GR ONCE / MONTH COMPOS
OIL & GREASE 00556 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****		( 26 )	*****	*****		( 19 )			
	PERMIT REQUIREMENT	*****	135 DAILY MX	LBS/DY	*****	*****	15 DAILY MX	MGL / MG/L	0	01/07	GR WEEKLY
POLYCHLORINATED BIPHENYLS (PCBS) 39516 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.00013	0.0002	( 26 )	*****	*****	*****				
	PERMIT REQUIREMENT	0.01 MD AVG	0.03 DAILY MX	LBS/DY	*****	*****	*****	****	0	01/07	GR WEEKLY COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.279	0.557	( 03 )	*****	*****	*****				
	PERMIT REQUIREMENT	2.09 MD AVG	2.09 DAILY MX	MGD	*****	*****	*****	****	0	09/99	RC MONTHLY RECORDS
	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  
DATE  
AREA CODE NUMBER YEAR MO DAY  
448 5002 2006 2 21

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)  
SEE PAGE 8 + 9 OF PERMIT FOR SAMPLING REQUIREMENTS. SEE DMR(S) 0640 + 0641 FOR FURTHER PARAMETERS.

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 0  
 DISCHARGE NUMBER

MAJOR (SUBR W)  
 F - FINAL  
 GROUNDWATER TREATMENT (005)

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
06	01	01		06	01	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			
PH		*****	*****		7.1	*****	7.4	( 12 ) SU	0	99/99	RCDR
00400 T O O SEE COMMENTS BELOW		*****	*****	****	0.0 MINIMUM	*****	7.0 MAXIMUM	SU		WEEKLY	GRAB
BASE NEUTRALS & ACID (METHOD 625), TOTAL		*****	*****		*****	NODI [9]	NODI [9]	( 19 ) MG/L			
76030 T O .0 SEE COMMENTS BELOW		*****	*****	****	*****	REPORT MD AVG	REPORT DAILY MX	MG/L		STRLY	GRAB
VOLATILE COMPOUNDS, (GC/MS)		*****	*****		*****	NODI [9]	NODI [9]	( 19 ) MG/L			
78732 T O O SEE COMMENTS BELOW		*****	*****	****	*****	REPORT MG AVG	REPORT DAILY MX	MG/L		STRLY	GRAB

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		DATE		
413	448-5902	2006	2	21
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. RUEBEGAN  
 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

064 T  
 DISCHARGE NUMBER

MAJOR  
 (SUBR W )  
 F - FINAL  
 WASTEWATER TREATMENT (005)

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
06	01	01		06	01	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				
PH 00400 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		7.0	*****	7.9	( 12 ) SU	0	99/99	RCDR	
	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		WEEKLY	WANG-0	
DIBENZOFURAN 81302 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		*****	NODI [6]	NODI [6]	( 22 ) SU				
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MD AVG	REPORT DAILY MX	PPT		ONCE/ MONTH	COMPOS	
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	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		2006	2	21
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							AREA CODE	NUMBER	YEAR	MO	DAY
	<i>M.T. Carroll</i>											

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

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

007 1  
DISCHARGE NUMBER

MAJOR

(SUBR W)

F - FINAL

DISCHARGE TO HOUSATONIC RIVER

MONITORING PERIOD

FROM YEAR 06 MO 01 DAY 01 TO YEAR 06 MO 01 DAY 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 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		*****			( 15 )			
	PERMIT REQUIREMENT	*****	*****	****	*****	70 MD AVG	75 DAILY MX	DEG. F		ONCE / MONTH	GRAB
PH	SAMPLE MEASUREMENT	*****	*****				*****	( 12 )			
00400 W 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	BU		WEEKLY	RANGE
POLYCHLORINATED BIPHENYLS (PCBS) 39516 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		*****			( 21 )			
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MD AVG	REPORT DAILY MX	PPB		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT			( 03 )	*****	*****	*****				
	PERMIT REQUIREMENT	REPORT MD AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		ONCE / MONTH	CALCULATED
	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

413 448-5902

AREA CODE NUMBER

DATE

2006 2 21

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  
 PERMIT NUMBER

009 1  
 DISCHARGE NUMBER

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

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
06	01	01		06	01	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	0.1	0.3	( 26 ) LBS/DY	*****	*****	*****		0	01/07	CP
	PERMIT REQUIREMENT	106 MD AVG	438 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
PH 00400 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	*****		7.2	*****	7.3	( 12 ) SU	0	01/07	GR
	PERMIT REQUIREMENT	*****	*****	****	6.0 MINIMUM	*****	9.0 MAXIMUM	SU		WEEKLY	GRAND-0
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.4	1.2	( 26 ) LBS/DY	*****	*****	*****		0	01/07	CP
	PERMIT REQUIREMENT	213 MD AVG	876 DAILY MX	LBS/DY	*****	*****	*****	****		WEEKLY	COMPOS
OIL & GREASE 00556 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*****	0	( 26 ) LBS/DY	*****	*****	0	( 19 ) MGL	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	SAMPLE MEASUREMENT	*****	*****		*****	NODI [9]	NODI [9]	( 19 )			
	PERMIT REQUIREMENT	*****	*****	****	*****	REPORT MD AVG	REPORT DAILY MX	MG/L		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.017	0.154	( 03 ) MGD	*****	*****	*****		0	99/99	RC
	PERMIT REQUIREMENT	REPORT MD AVG	REPORT DAILY MX	MGD	*****	*****	*****	****		CONTIN	RECORDS
	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  
 AREA CODE NUMBER  
 DATE  
 2006 2 21  
 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.

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

MA00003891  
PERMIT NUMBER

009 A  
DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
06	01	01		06	01	31

MAJOR

(SUBR W)

F - FINAL

09A SAMPLE POINT BEFORE 009

\*\*\* 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 O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT			( 26 )	*****	*****	*****				
	PERMIT REQUIREMENT	106 MD AVG	438 DAILY MX	LBS/DY	*****	*****	*****	*****		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 V O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT			( 26 )	*****	*****	*****				
	PERMIT REQUIREMENT	213 MD AVG	876 DAILY MX	LBS/DY	*****	*****	*****	*****		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT			( 03 )	*****	*****	*****				
	PERMIT REQUIREMENT	REPORT MD AVG	REPORT DAILY MX	MGD	*****	*****	*****	*****		CONTINUOUS	RECORD
	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

413 448-5902

AREA CODE

NUMBER

DATE

2006 2 21

YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

SEE PAGE 11 OF PERMIT. SEE DMR 0091. SAMPLE AT 09A.

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

009 B  
DISCHARGE NUMBER

MAJOR  
(SUBR W)  
F - FINAL

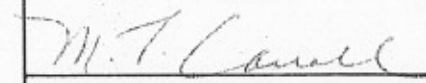
09B SAMPLE POINT PRIOR TO 009

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
06	01	01		06	01	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 O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.1	0.3	( 26 ) LBS/DY	*****	*****	*****	*****	0	01/07	CP
	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	*****	*****	*****	*****		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 V O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.4	1.2	( 26 ) LBS/DY	*****	*****	*****	*****	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 O O SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.017	0.154	( 03 ) MGD	*****	*****	*****	*****	0	99/99	RC
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*****	*****	*****	*****		CONTIN	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.	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	2006	2	21

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

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

(SUBR W)

F - FINAL

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

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
06	01	01		06	01	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			
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0	( 26 ) LBS/DY	*****	*****	*****	*****	0	01/30	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****		ONCE/MONTH	COMPOS
NICKEL TOTAL RECOVERABLE 01074 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0	( 26 ) LBS/DY	*****	*****	*****	*****	0	01/30	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****		ONCE/MONTH	COMPOS
SILVER TOTAL RECOVERABLE 01079 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0	( 26 ) LBS/DY	*****	*****	*****	*****	0	01/30	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****		ONCE/MONTH	COMPOS
ZINC TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0.1	( 26 ) LBS/DY	*****	*****	*****	*****	0	01/07	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****		WEEKLY	COMPOS
ALUMINUM, TOTAL (AS AL) 01105 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0	( 26 ) LBS/DY	*****	*****	*****	*****	0	01/30	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****		ONCE/MONTH	COMPOS
CADMIUM TOTAL RECOVERABLE 01113 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0	( 26 ) LBS/DY	*****	*****	*****	*****	0	01/30	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****		ONCE/MONTH	COMPOS
LEAD TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0	( 26 ) LBS/DY	*****	*****	*****	*****	0	01/07	CP
	PERMIT REQUIREMENT	*****	REPORT DAILY MX	LBS/DY	*****	*****	*****	*****		WEEKLY	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.

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

TELEPHONE  
413 1448-5902  
AREA CODE NUMBER  
DATE  
2006 2 21  
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))  
 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  
 FROM 06 01 01 TO 06 01 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			
CHROMIUM TOTAL RECOVERABLE 01118 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	0	( 26 ) LBS/DY	*****	*****	*****		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	( 26 ) LBS/DY	*****	*****	*****		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	*****	0.16	( 26 ) LBS/DY	*****	*****	*****		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										
	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 413 448-5902	DATE			
			AREA CODE	NUMBER	YEAR	MO
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>M T Carroll</i>					

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

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

SUM 3

DISCHARGE NUMBER

MAJOR

(SUBR W)

F - FINAL

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

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	06	01	01		06	01	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				
NCAEL STATRE 48HR AC U D. PULEX TDM3D 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		100	*****	*****	( 23 )		0	01/30	CP
	PERMIT REQUIREMENT	*****	*****	****	35	*****	*****	PER- CENT			ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	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.  
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		DATE		
413	448-5902	2006	2	21
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 NODE '9' WHEN SUBMITTING WET WEATHER RESULTS ON DMR SUMC.



***Attachment C***

---

***NPDES Biomonitoring Report  
for February 2006***

February 27, 2006

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

Re: NPDES Biomonitoring Report for February 2006  
Submission #: R2630230

Dear Mr. Nicholson:


Enclosed is our report on the Whole Effluent Toxicity testing conducted in February 2006. The Outfall Composite samples were collected on 2/7/06 at 11:00 am. The Housatonic River samples were collected on 2/7/06 at 8:15 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, total residual chlorine, 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, and pH. 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  
February 2006**

## **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  
February 17, 2006**

## 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 February 6-7, 2006 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 February 7, 2006 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 results 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 February 6-7, 2006 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	88%
Survival in laboratory water	96%
Survival in laboratory water with 100 mg/L sodium thiosulfate	96%
$\text{LC}_{50}$ for <i>Daphnia pulex</i> in sodium chloride reference toxicant solution	3.189g NaCl/L February 8, 2006

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.

### 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.

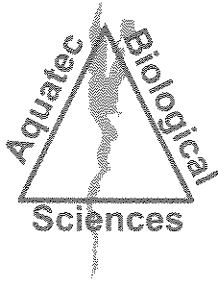
1. Outfall 001 is permitted to discharge storm water runoff from the oil/water separator in Building 31W to Silver Lake.
2. Outfall 004 is permitted to discharge storm water runoff to Silver Lake. (**Outfall plugged**)
3. Outfall 005 is permitted to discharge contact cooling water, non-contact cooling 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.



## **APPENDIX 1**

Chemical and Acute Toxicity Data

Aquatec Biological Sciences



# Aquatec Biological Sciences



Ecology



Environmental  
Toxicology



Natural Resource  
Assessments



Microbiology

February 16, 2006

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 February 7, 2006.

According to the Chain-of-Custody documentation the samples for Whole Effluent Toxicity (WET) Testing were collected on February 7, 2006. The samples were transported to Aquatec Biological Sciences, Inc. by courier service and delivered on the same day. The effluent sample (Sample 31400) was logged in for the acute 48-hour static toxicity test with *Daphnia pulex*. The receiving water sample (Sample 31401) 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 February 8, 2006, within the specified holding time.

At the conclusion of the toxicity test on February 10, 2006, a final count of surviving organisms was completed. The average survival ranged from 92 – 100 percent in all test concentrations. The receiving water control had 88 percent survival. Acute toxicity (*Daphnia pulex*) was not detected, and the 48-hour LC50 reported as >100% effluent (Section 4.1 of the report).

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

Sincerely,

  
John Williams  
Manager, Environmental Toxicology

**Whole Effluent Toxicity Testing  
Of Wastewaters Discharged from  
The General Electric Plant  
Pittsfield, Massachusetts**

Samples Collected in February 2006

Submitted to:  
**General Electric  
Area Environmental & Facility Programs  
100 Woodlawn Avenue  
Pittsfield, Massachusetts 01201**

SDG number: 9350

Effluent sample ID: A7118C

Aquatec sample number: 31400

Receiving water sample ID: A7117R

Aquatec sample number: 31401

Study Director: John Williams

February 16, 2006

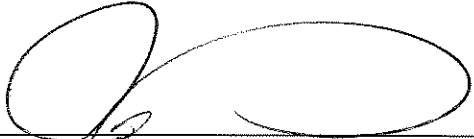
Submitted by:  
**Aquatec Biological Sciences, Inc.  
273 Commerce Street  
Williston, Vermont 05454  
Phone: (802) 860-1638 Fax: (802) 860-1638**

Accreditation: NH Environmental Laboratory Accreditation Program  
NELAP / NELAC accredited for the requested analysis.

### Signatures and Approval

**Submitted by:**


Aquatec Biological Sciences, Inc.  
273 Commerce Street  
Williston, Vermont 05454  
Phone: (802) 860-1638  
Fax: (802) 860-1638



---

Study Director  
John Williams

2/16/06  
Date



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Quality Assurance Officer  
Philip C. Downey, Ph. D.

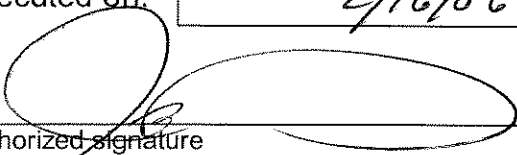
2/16/06  
Date

## 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: 2/16/06

  
Authorized signature

John Williams

Name

Manager, Environmental Toxicology

Title

Aquatec Biological Sciences, Inc.

Laboratory

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**Summary  
of  
Static Acute Toxicity Test with *Daphnia pulex***

---

Sponsor: General Electric

Protocol title: US EPA-821-R-02-012. *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, 5<sup>th</sup> Ed., October 2002. Method 2021.0

Aquatec SDG: 9350

Test material: Composite effluent from the General Electric Company located in Pittsfield, Massachusetts

GE sample ID: A7118C

Dilution water: Water from the Housatonic River (grab sample)

GE sample ID: A7117R

Dates collected: February 7, 2006

Date received: February 7, 2006

Test dates: February 8 to February 10, 2006

Test concentrations: 100%, 75%, 50%, 35%, 15%, 5% effluent.  
Dilution water control (Housatonic River)  
Laboratory control 1 (culture water)  
Laboratory control 2 (culture water with sodium thiosulfate)

Results: The 48-hour LC50 value was determined to be >100% effluent. The Acute No-Observed-Effect-Concentration (A-NOEC) was 100% effluent.

---

## 1.0 Introduction

### 1.1 Background

In 1972, amendments were made to the Clean Water Act (CWA) prohibiting the discharge of any pollutant from a point source to waters of the United States, unless the discharge is authorized by a National Pollutant Discharge Elimination System (NPDES) permit. Since the passing of the 1972 amendments to the CWA, significant progress has been made in cleaning up industrial wastewater and municipal sewage point source discharges. EPA defines point sources as discrete discharges via pipes or man-made ditches.

In 1984, the U.S. Environmental Protection Agency (EPA) released a national policy statement and a supporting document that recommended, where appropriate, effluent permit limits should be based on effluent toxicity as measured in aquatic toxicity tests. Generally, permits require that no toxic discharge occur in toxic amounts. The routine use of dilution-series toxicity tests and/or biologically-based criteria (i.e., invertebrate and vertebrate community studies) have become increasingly utilized to calculate or estimate the potential toxicity of a discharge.

EPA has the authority to delegate primary responsibility for the implementation, permitting, and enforcement of NPDES regulations to appropriate State regulatory agencies. Even when EPA delegates this authority to the states, EPA still maintains oversight responsibility.

### 1.2 Objective of the General Electric Study

The objective of this study was to measure the acute toxicity of the composite wastewater discharged by the General Electric facility located in Pittsfield, Massachusetts to the Housatonic River. The water flea, *Daphnia pulex*, is exposed to effluent and dilutions of effluent under static conditions. *Daphnia pulex* is routinely used by regulatory agencies and by contract laboratories for toxicity testing and EPA has published guidance documents for the performance of this test (U.S. EPA, 2002).

A toxicity test was conducted from February 8 to February 10, 2006 at Aquatec Biological Sciences, Inc. (Aquatec) located in Williston Vermont. Aquatec Biological Sciences, Inc. holds NELAC accreditation for the requested whole effluent toxicity test. All original raw data and the final report produced for this study are stored in Aquatec's archives in Williston, Vermont.

## 2.0 Materials and Methods

### 2.1 Protocol

Procedures used in this acute toxicity test followed those described in the Aquatec Standard Operating Procedure (SOP) TOX2-001, Daphnid Acute R4, August 9, 2005. This SOP generally follows the standard methodology presented in U.S. EPA. 2002 (EPA-821-R-02-012. *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine*

*Organisms*, 5<sup>th</sup> Ed., October 2002, Method 2021.0 (as summarized in Appendix 2 of this report). A copy of the SOP is located in Appendix 6 (Controlled document, please do not copy or distribute.)

Additional SOPs used in this study are outlined below:

Title	SOP Number	Revision Date
Sample Acceptance	TOX1-017	Rev. 4, February, 2004
Hardness – total titrimetric method	TOX1-011	Rev. 3, May 2003
Alkalinity – total titrimetric method	TOX1-010	Rev. 6, April 2004
Thermo-Orion 145 A+ Conductivity Meter	TOX1-016	Rev. 1, April 2004
Dissolved oxygen	TOX1-006	Rev. 7, April 2004
pH measurement	TOX1-007	Rev. 2, April 2004
Salinity: refraction method	TOX1-008	Rev. 3, January, 2003

## 2.2 Effluent and Receiving Water Samples

The effluent sample (A7118C) was collected by GE personnel from February 6 to February 7, 2006. The receiving water sample (A7117R) was a grab collected from the Housatonic River on February 7, 2006. Samples were delivered to Aquatec on the same day. Upon receipt at Aquatec on February 7, 2006, the temperature of the temperature blank contained within the cooler was 5.2°C. The effluent and receiving water were prepared for testing and characterized (Table 1). The receiving water was the dilution water for preparing effluent concentrations and was also the reference control for statistical comparisons.

## 2.3 Control water

Laboratory control water for the toxicity test was a 1:1 mixture of laboratory reconstituted moderately hard water and 60-micron filtered river water collected from the Lamoille River, Vermont. This water was characterized for the following parameters: pH (7.4); dissolved oxygen (8.5 mg/L); conductivity (276 uS/cm). An additional dechlorination control (laboratory water with 0.2 N sodium thiosulfate added) was included in the test array, even though chlorine was not detected in the effluent sample.

## 2.4 Test Organism

Daphnids (*Daphnia pulex*), less than 24-hours old were obtained from Aquatec laboratory cultures. The culture system consisted of several 1-liter glass beakers containing approximately 1-liter of culture medium and up to 100 daphnids. The culture water was laboratory reconstituted moderately hard water. Prior to use, the culture water was characterized:

Parameter	Result
Total hardness (mg/L)	Within range of 80-110 mg/L
Alkalinity (mg/L as CaCO <sub>3</sub> )	Within range of 60-70 mg/L
pH	Nominal 7.7 – 8.0

The culture area was maintained at a nominal temperature of 20°C (range 19 – 21 °C) with a regulated photoperiod of 16 hours light and 8 hours of darkness.

Daphnid cultures were fed a combination of green algae (*Selenastrum capricornutum*) and YCT obtained from Aquatic BioSystems of Fort Collins, Colorado. The cultures were fed a ration of *Selenastrum* and YCT daily Monday through Friday. Daphnids were transferred to new culture medium weekly.

Approximately 24 hours before toxicity test initiation, all daphnid neonates were removed from the culture beakers. Offspring produced within 24 hours were used for toxicity testing.

## 2.5 Test Procedures

Prior to initiating the toxicity test, a sub-sample of effluent and receiving water was decanted for subsequent alkalinity and hardness determination. A sub-sample was also check for presence of chlorine to determine whether dechlorination of effluent is required. Chlorine was not detected, therefore dechlorination of the effluent was not required. The sample was then aerated and warmed to test temperature.

The toxicity test was conducted at effluent concentrations of 100%, 75%, 50%, 35%, 15%, and 5% effluent. Test concentrations were prepared by diluting the appropriate volume of effluent with dilution water to a total volume of 400 mL. Test solutions were then decanted to five replicate 30-mL cups per concentration, each containing approximately 20 mL of test solution. Three sets of control replicates were also included in the test array, set up as the effluent replicates. The controls included: Housatonic River water (dilution control), a laboratory control (a mix of moderately hard water and Lamoille River, VT water), and a laboratory control with sodium thiosulfate added (dechlorination control). The dechlorination control was included in the test array even though residual chlorine was not detected in the effluent.

Prior to testing, daphnids less than 24-hours old were collected from the cultures, pooled in Carolina bowl, and fed. The test was initiated when the daphnid neonates were transferred to the replicate test cups, five daphnids per cup. The toxicity test cups were incubated to maintain temperature in the range of 19°C to 21 °C. The lighting cycle was 16 hours light and eight hours dark and a luminance of approximately 80 ft-c.

## 2.6 Test Monitoring

The number of surviving daphnids was observed at approximately 24-hour intervals during the test, with the final count of surviving daphnids at approximately 48 hours. Temperature was measured daily in one replicate of each test treatment. The parameters of pH, dissolved oxygen, and conductivity were measured at the beginning and the end of the test.

Total hardness was measured by the EDTA titrimetric method and total alkalinity was measured by potentiometric titration to an endpoint of 4.5. The check for residual chlorine was performed with an acidified sample to which potassium iodide and starch indicator added. If chlorine was detected, the color was titrated away with 0.02 N sodium thiosulfate to determine the equivalent volume of 0.2 N sodium thiosulfate to add to effluent (if needed).

Dissolved oxygen was measured with a YSI Model 58 dissolved oxygen meter. A Beckman Phi 40 was used to measure pH. A Thermo-Orion Model 145 conductivity meter was used to measure conductivity. Salinity was measured with an Atago salinity refractometer.

### **2.7 Reference Toxicant Test**

A 48-hour standard reference toxicant (SRT) test was conducted concurrently with the effluent toxicity test. The SRT test was conducted as a quality control procedure to establish the health and sensitivity of the test organisms. The SRT included four concentrations of reagent grade sodium chloride (NaCl) with nominal concentrations of 0.75, 1.5, 3.0, 6.0, and 12 g NaCl/L. Four test replicates, each containing five daphnid neonates were test at each concentration and the laboratory control.

## **3.0 Statistics**

### **3.1 Statistical protocol**

The concentration-response relationships observed were characterized by the median lethal concentration (LC50), which was the calculated concentration lethal to 50 percent of the test organisms. If no concentrations resulted in 50% mortality, the LC50 was reported as greater than the highest concentration effluent (in this case >100% effluent), by direct observation. If greater than 50 percent mortality was observed in any effluent treatment, then a computer program (TOXIS2) was used to calculate the LC50 value, following the U.S. EPA statistical flowchart (Appendix 3).

The Acute-No-Observable-Effect Concentration (A-NOEC) was determined statistically using multiple comparison tests (TOXIS2), with the receiving water control as the reference.

## **4.0 Results**

### **4.1 Effluent Toxicity Test**

Results of effluent and receiving water characterizations performed at Aquatec as part of the toxicity test are presented in Table 1. Water quality parameters measured during the toxicity test are presented in Table 2. Measured temperatures during the test were within the range of 19°C to 21°C. The percent mortality data for the toxicity test are presented in Table 3. Acute toxicity was not

demonstrated during this evaluation. The 48-hour LC50 value was >100% effluent. The A-NOEC was 100% effluent.

#### **4.2 Reference Toxicant Test**

A standard reference toxicant (SRT) test was performed concurrently with the effluent toxicity test, using the same batch of daphnid neonates. The resulting 48-hour LC50, calculated by the Spearman-Kärber method, was 3.19 g NaCl/L with 95% confidence intervals of 1.54 – 4.6 g/L. This LC50 value was within the Control Chart limits generated for tests in our laboratory.

## **5.0 Qualifiers**

### **5.1 Qualifiers and Special Conditions**

The receiving water control (also used as dilution water) had 88 percent survival when the test was ended, which was slightly below the acceptance criterion of at least 90 percent surviving for a control. The Laboratory Control and Dechlorination Control each had 96 percent survival. The toxicity test was viewed as being provisionally acceptable because survival above 90 percent in all effluent concentrations tested, including the 100 percent effluent, which had 100 percent survival.

## References

American Public Health Association, American Water Works Association, and Water Pollution Control Federation (APHA). 1989. Standard Methods for the Examination of Water and Wastewater. 17<sup>th</sup> Edition

U.S. Environmental Protection Agency, 2002. 5<sup>th</sup> Edition. *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*. EPA-821-R-02-012.



**Table 1. Results of the characterization of the General Electric Pittsfield Plant effluent and receiving water (Housatonic River).**

<b>Parameter</b>	<b>Effluent A7118C</b>	<b>Housatonic River A7117R</b>
Temperature	19.2	20.0
pH	7.8	7.2
Alkalinity (as CaCO <sub>3</sub> ), mg/L	336	32
Hardness (as CaCO <sub>3</sub> ), mg/L	364	38
Dissolved oxygen, mg/L	9.6	10.3
Specific conductivity, uS/cm	1310	134
Salinity (‰)	1	0
Total residual chlorine (mg/L)	ND	ND

Note: Characterizations reflect conditions of sample after preparation for the toxicity test. ND = not detected

**Table 2. Water quality measurements recorded during the 48-hour static toxicity test with *Daphnia pulex* exposed to General Electric Pittsfield Plant effluent, February 8-10, 2006.**

Test Concentration (% effluent)	pH			Dissolved Oxygen (mg/L)			Temperature (°C)		
	0	24	48	0	24	48	0	24	48
<b>Dechl. Control</b>	7.6	-	7.6	8.6	-	8.5	20.9	20.4	20.6
<b>Lab Control</b>	7.4	-	7.6	8.5	-	8.5	21.0	20.5	20.6
<b>Dilution Control</b>	7.2	-	7.5	10.3	-	8.5	20.0	20.6	20.5
<b>5%</b>	7.2	-	7.4	10.3	-	8.5	20.0	20.5	20.5
<b>15%</b>	7.3	-	7.6	10.2	-	8.4	20.0	20.4	20.3
<b>35%</b>	7.6	-	7.9	10.1	-	8.5	19.8	20.7	20.5
<b>50%</b>	7.7	-	8.2	10.0	-	8.6	19.7	20.8	20.6
<b>75%</b>	7.8	-	8.3	9.8	-	8.6	19.6	20.7	20.5
<b>100%</b>	7.8	-	8.2	9.6	-	8.7	19.2	20.4	20.3

Measurements at time 0 were from a sub-sample of the prepared treatment. Measurements at time 48 were from the combined water from all replicates for each treatment.

Dechl. Control = laboratory water with sodium thiosulfate added (dechlorination control).

Lab Control = a mix of natural river water and moderately hard water.

Dilution Control = receiving water (Housatonic River).

**Table 3. Cumulative percent mortalities recorded during the 48-hour static acute toxicity test with *Daphnia pulex* exposed to General Electric Pittsfield Plant effluent, February 8-10, 2006.**

Effluent Conc. (%)	24-hour						48-hour					
	A	B	C	D	E	Avg	A	B	C	D	E	Avg
Dechl. Control	0	0	0	0	0	0	20	0	0	0	0	4
Lab Control	0	0	0	0	0	0	0	0	20	0	0	4
Rec. Control	0	0	0	0	20	4	20	20	0	0	20	12
5%	0	0	0	0	0	0	0	0	0	0	0	0
15%	0	0	0	0	0	0	0	0	0	0	0	0
35%	0	0	0	0	0	0	0	0	0	0	20	4
50%	0	0	0	0	0	0	0	20	0	0	0	4
75%	0	0	0	0	20	4	0	0	20	0	20	8
100%	0	0	0	0	0	0	0	0	0	0	0	0

**Dechl. Control = laboratory water with sodium thiosulfate added (dechlorination control).**

**Lab Control = a mix of natural river water and moderately hard water.**

**Dilution Control = receiving water (Housatonic River).**

**Percent mortality = (# dead/5) X 100**

## **Appendix 1**

### **Chain-of-Custody Documentation**



## **Appendix 2 Summary of Test Conditions**



**Appendix 3**  
**U.S. EPA Region 1 Toxicity Test Summary and**  
**Statistical Flow Chart**



**TOXICITY TEST SUMMARY SHEET**

Facility Name: Outfall Composite A7118C Test Start Date 2/8/2006

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: 2/7/06

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: 2/8/06

**PERMIT LIMITS and TEST RESULTS**

Test Acceptability Criteria

Mean Control Survival: 88 (%)

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



**Appendix 4**  
**Bench Data, *Daphnia pulex* Acute Toxicity Test**

=====

Aquatec Biological Sciences, Inc.

=====

Test Date: 2/08/06  
 Sample Date: 2/07/06  
 Species: Daphnia pulex  
 Test Type: Acute - 48 hours

Test Number: 46908  
 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	1.30	.106	
			X 0.000 D	5	1.20	.130	
			X 5.000 D	5	1.35	0.000	
			X 15.000 D	5	1.35	0.000	
			X 35.000 D	5	1.30	.106	
			X 50.000 D	5	1.30	.106	
			X 75.000 D	5	1.25	.130	
			X 100.000 D	5	1.35	0.000	
Proportion Alive	2	No transformation	0.000 B	5	.96	.089	
			0.000 D	5	.88	.110	
			5.000 D	5	1.00	0.000	
			15.000 D	5	1.00	0.000	
			35.000 D	5	.96	.089	
			50.000 D	5	.96	.089	
			75.000 D	5	.92	.110	
			100.000 D	5	1.00	0.000	

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	.008	.105

Aquatec Biological Sciences, Inc.

=====

WATER FLEA TEST DATA

=====

Test Number: 46908 ( ) Chronic (x) Acute 48 hours  
 Test Date: 8-Feb-06  
 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			
0.00	B	1	F	5	5						1.00		
0.00	B	2	F	5	5						1.00		
0.00	B	3	F	5	4						.80		
0.00	B	4	F	5	5						1.00		
0.00	B	5	F	5	5						1.00		
0.00	D	1	F	5	4						.80		
0.00	D	2	F	5	4						.80		
0.00	D	3	F	5	5						1.00		
0.00	D	4	F	5	5						1.00		
0.00	D	5	F	5	4						.80		
5.00	D	1	F	5	5						1.00		
5.00	D	2	F	5	5						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	4						.80		
50.00	D	1	F	5	5						1.00		
50.00	D	2	F	5	4						.80		
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	4						.80		
75.00	D	4	F	5	5						1.00		
75.00	D	5	F	5	4						.80		
100.00	D	1	F	5	5						1.00		
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		

2/10/06

TOXIS ANALYSIS SUMMARY

=====  
 Geriodaphnia ~~Geriodaphnia~~ *Daphnia pulex* Proportion Alive Day 2  
 =====

Lab	Species	Date	Test Material	Permit	Protocol	Test Number
ABS	DP	2/08/6	EFF2 (%)	MA0003891	EPAA 91	46908

=====  
 EPA Flowchart (Chronic and Acute) 1 control  
 =====

Conc	Mean	SD	N	T	Sum of Ranks
Data transformation: Arc sine sqrt w/ adj.					
	0.00B	1.30	.106	5	
X	0.00D	1.20	.130	5	
X	5.00D	1.35	0.000	5	-2.510 35.000
X	15.00D	1.35	0.000	5	-2.510 35.000
X	35.00D	1.30	.106	5	-1.673 32.500
X	50.00D	1.30	.106	5	-1.673 32.500
X	75.00D	1.25	.130	5	-.837 30.000
X	100.00D	1.35	0.000	5	-2.510 35.000

Data transformation: No transformation					
	0.00B	.96	.089	5	
	0.00D	.88	.110	5	
	5.00D	1.00	0.000	5	-2.510 35.000
	15.00D	1.00	0.000	5	-2.510 35.000
	35.00D	.96	.089	5	-1.673 32.500
	50.00D	.96	.089	5	-1.673 32.500
	75.00D	.92	.110	5	-.837 30.000
	100.00D	1.00	0.000	5	-2.510 35.000

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	
	.00810	12.0508	2.41	
Shapiro-Wilk Test for Normality:	Alpha	W	Cutoff W	Normal?
	.01	.883675	.91	No
Bartlett Test for Equal Variance:	Alpha	B	P(B)	Equal Var?
	.01	9999	0	No

Water Flea

Lab	Species	Test Date	Test Material	Permit	Protocol	Test Number
ABS	DP	2/08/6	EFF2 (%)	MA0003891	EPAA 91	46908

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	912	Chi-square test for heterogeniety significant - proceeding to Spearman Karber Analysis
EC/LC	69	Cannot compute Spearman-Karber EC/LC 50
PROP	0	Analysis completed with no errors

Client: GENERAL ELECTRIC, PITTSFIELD, MA  
 MA0003891

Test #: 46908

SDG: 9350

Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test

SURVIVAL DATA, SAMPLE 31400

Treatment (%)	Day 0	Day 1 # Surviving	Day 2 # Surviving	
Rec. A	5	5	4	
	Water B	5	4	
	Contr C	5	5	5
		D	5	5
		E	4	4
5.0	A	5	5	
	B	5	5	
	C	5	5	
	D	5	5	
	E	5	5	
15	A	5	5	
	B	5	5	
	C	5	5	
	D	5	5	
	E	5	5	
35	A	5	5	
	B	5	5	
	C	5	5	
	D	5	5	
	E	5	4	
50	A	5	5	
	B	5	4	
	C	5	5	
	D	5	5	
	E	5	5	
75	A	5	5	
	B	5	5	
	C	5	4	
	D	5	5	
	E	4	4	
100	A	5	5	
	B	5	5	
	C	5	5	
	D	5	5	
	E	5	5	
Sample #	31400			
I/D/T	KS 2/8 11:15	KS 2/9/06 11:25	JG 2-10-06 11:15	



Client: GENERAL ELECTRIC, PITTSFIELD, MA  
 MA0003891

Test #: 46908

SDG: 9350

Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test

**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
C	5	5	4
D	5	5	5
E	5	5	5
Dechlor. A	5	5	4
Control B	5	5	5
C	5	5	5
D	5	5	5
E	5	5	5
	11:05	11:10	11:15
I/D/T	KS 2/8	KS 2/9/06	JG 2-10-06

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 / Lamoille River 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.
1/15 A dumped 1/25 started	✓	Yc/Sel	✓	20.9	1-25-06	KS
1/18 A,B,C	✓	↓	✓ 9:10	↓	↓	↓
1/25 1/18 A,B,C	—	Sel	—	—	1-26-06	KS
1/25 1/18 A,B,C	✓	Yc/Sel	—	20.6°C	1-27-06	JG
1/25 1/18 A,B,C	—	Sel	—	—	1-28-06	JG
↓	—	Yc/Sel	—	—	1-29-06	KS
1/25 1/18 A,B,C	✓	↓	✓ 11:00	21.0°	1-30-06	↓
↓	—	Sel	—	—	1-31-06	KS
1/18 A,B,C 1/25	✓	Yc/Sel	✓ 9:15	21.0°	2-1-06	KS
↓	—	Sel	—	—	2-2-06	KS
1/18 A,B,C + 1/25	✓	Yc/Sel	—	20.8°C	2-3-06	JG
↓	—	Sel	—	—	2/4/06	KK
1/18 A,B,C 1/25	—	↓	—	—	2/5/06	KS
↓	✓	Yc/Sel	✓ 14:20	21.0°C	2/6/06	↓
1/18 A,B,C 2/7 mass	✓	↓	✓ 12:50	21.0	2/7/06	KS
↓	✓	Yc/Sel	✓ 9:40	↓	2/8/06	↓

1/25 dumped

Selenastrum Lot # 12506 Sel  
 YC Lot # 11206 YC  
 MHW Lot # 2106 MHW (2-3-06)

Client: GENERAL ELECTRIC, PITTSFIELD, MA  
 MA0003891 OUTFALL 001

Test #: 46908

SDG: 9350

Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test

Treatment (%)	Parameter	Day 0	Day 1	Day 2
Lab Contr	pH	7.4		7.96
	DO	8.5		8.5
	Temp	21.0	20.5	20.6
	Cond.	276	-	① -
Dechlorination Control	pH	7.6		7.96
	DO	8.6		8.5
	Temp	20.9	20.4	20.6
	Cond.	269	-	-
Rec. Water Contr	pH	7.2		7.5
	DO	10.3		8.5
	Temp	20.0	20.6	20.5
	Cond.	134	-	-
5.0	pH	7.2		7.4
	DO	10.3		8.5
	Temp	20.0	20.5	20.5
	Cond.	192	-	-
15	pH	7.3		7.6
	DO	10.2		8.4
	Temp	20.0	20.4	20.3
	Cond.	321	-	-
35	pH	7.6		7.9
	DO	10.1		8.5
	Temp	19.8	20.7	20.5
	Cond.	565	-	-
50	pH	7.7		8.2
	DO	10.0		8.6
	Temp	19.7	20.8	20.6
	Cond.	739	-	-
75	pH	7.8		8.3
	DO	9.8		8.6
	Temp	19.6	20.7	20.5
	Cond.	1032	-	-
100	pH	7.8		8.2
	DO	9.6		8.7
	Temp	19.2	20.4	20.3
	Cond.	1310	-	-
Sample #		31400	31400	31400
I/D (2005)		KS 2/8/06	KS 2/9/06	SG 2/10/06

① Not enough volume for conductivity measurement.

# Alkalinity and Hardness Worksheet

Sample Identifier	LIMS Identifier	Sub ID Code	Sampling Date	Sample Volume	Alkalinity			Hardness			
					Initial Titrant (ml)	Final Titrant (ml)	Analysis Date	Sample Volume	Initial Titrant (ml)	Final Titrant (ml)	Analysis Date
31400	Outfall Composite		2/8/06	25	13.7	22.1	2/9/06	50	40.1	58.3	2/9/06
31401	Housatonic River		2/8/06	25	22.1	22.9	2/9/06	50	41.2	43.1	2/9/06

*KS*  
2/10/06

## Sample Preparation

Client: GENERAL ELECTRIC, PITTSFIELD, MA MA0003891	SDG: 9350
Test Description: <i>Daphnia pulex</i> acute toxicity test.	Test #: 46908

**Sample Identification:**

Sample Description	Rec. Water (Housatonic River)	Effluent		
Sample #	31401	31400		

**Sample Preparation:**

Filtration	60 micron	60 micron	60 micron	60 micron
Chlorine <sup>1</sup>	✓ ND	✓ ND		
Dechlorine <sup>2</sup>	—	—		
Salinity <sup>(‰)</sup>	0‰	1‰		
Prepared by (Init./date)	KS 2-8-06	_____		

<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 / Lamoille River 1:1 mix

Dechlorination Control = moderately hard water / Lamoille River 1:1 mix + sodium thiosulfate

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.**

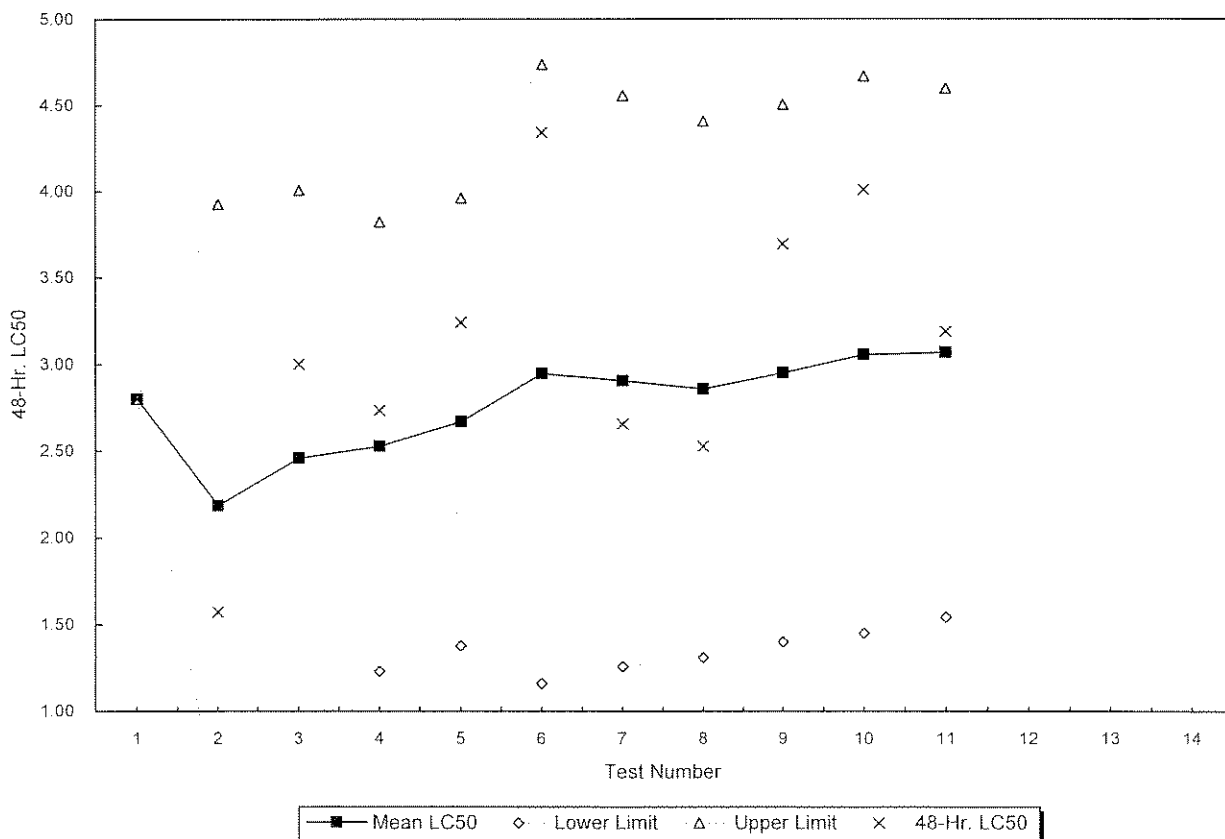
**Appendix 5**  
**Standard Reference Toxicant test Control Chart**

# Reference Toxicant Control Chart

## *Daphnia pulex*

### in Sodium chloride (g/L)

Test Number	Test Date	Organism Age (Days)	48-Hr. LC50	Mean LC50	Lower Limit	Upper Limit	Organism Source
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	12/07/05	1	3.693	2.95	1.40	4.50	Aquatec Biological Sciences
10	01/05/06	1	4.009	3.06	1.45	4.67	Aquatec Biological Sciences
11	02/08/06	1	3.189	3.07	1.54	4.60	Aquatec Biological Sciences
12							
13							
14							
15							
16							
17							
18							
19							
20							



**Appendix 6**  
**SOP TOX2-001, Standard Operating Procedure for**  
**Daphnid (*Ceriodaphnia dubia*, *Daphnia magna*, and**  
***Daphnia pulex*) Acute Toxicity Test**



## Standard Operating Procedure for Daphnid (*Ceriodaphnia dubia*, *Daphnia magna* and *Daphnia pulex*) Acute Toxicity Test

### 1.0 IDENTIFICATION OF TEST METHOD

This SOP describes procedures for conducting an acute toxicity test with daphnids. This test is used to estimate the acute toxicity of whole effluents or other aqueous samples to the cladocerans, *Ceriodaphnia dubia*, *Daphnia magna* and *Daphnia pulex*. Aquatec Biological Sciences, Inc. holds NELAC accreditation for this method.

### 2.0 APPLICABLE MATRIX OR MATRICES

The described test is used to assess toxicity of wastewaters (effluents, influents), receiving waters, and other prepared aqueous solutions.

### 3.0 DETECTION LIMIT

Not applicable.

### 4.0 SCOPE AND APPLICATION

This SOP describes procedures for performing a static or static-renewal acute toxicity test with cladocerans, *Ceriodaphnia dubia*, *Daphnia magna* and *Daphnia pulex*.

### 5.0 SUMMARY OF TEST METHOD

A summary of the test method is attached (Table 1). This test is used to estimate the acute toxicity of whole effluents or other aqueous samples to the freshwater cladocerans. Organisms are exposed, for 24, 48 or 96 hours, typically to five concentrations of effluent (or aqueous sample) and the controls. Acute toxicity is estimated by calculating the lethal concentration 50 value (LC50) and/or the acute no-observed-effect-concentration (A-NOEC). This procedure is based on the guidelines of EPA-821-R-02-012 (Methods 2002.0 and 2021.0).

### 6.0 DEFINITIONS

LC50: The computed concentration that results in 50 percent mortality of the test organisms (may be computed from 48-h or 96-h data).

A-NOEC: The acute no-observed-effect-concentration; The highest concentration resulting in no statistically significant reduction in survival relative to the control (requires four test replicates for statistical analysis).

### 7.0 INTERFERENCES

Not applicable.

### 8.0 SAFETY

Samples acquired for toxicity testing may contain unknown toxicants or health hazards. Protective equipment (e.g., lab coats, disposable gloves) should be worn when handling samples.

### 9.0 EQUIPMENT AND SUPPLIES

Calibrated Instrumentation and Water Quality Apparatus:

- pH meter
- Dissolved Oxygen (DO) meter
- Thermometer (accurate to 0.1°C)
- Conductivity meter
- Alkalinity titration apparatus
- Hardness titration apparatus

Additional Equipment:

- Test chambers (30-ml disposable cups), color coded
- Test board with randomized scheme, glass cover
- Light table
- Waste collection bucket

Forms and Paperwork:  
Survival and chemistry data form  
Alkalinity and hardness data form

## 10.0 REAGENTS AND STANDARDS

Laboratory reconstituted water (soft water, moderately hard water, or hard water)  
Deionized water  
Reference toxicant solutions

## 11.0 SAMPLE COLLECTION, PRESERVATION, SHIPMENT, AND STORAGE

Samples for acute toxicity tests are typically collected, cold-preserved, and shipped to Aquatec. Sample acceptance and log-in procedures are outlined in SOP TOX1-017. After receipt at Aquatec, samples should be refrigerated when not being prepared for use in toxicity tests. The holding time for effluent samples is 36 hours from the time of collection until the time of first use.

## 12.0 QUALITY CONTROL

The acute toxicity test is judged to be acceptable and to have met Quality Control standards if the associated dilution water and laboratory control meet the survival criterion of 90% or greater. Also, the test conditions must be within the guidelines described in the protocol (Table 1). Standard reference toxicant (SRT) tests (48-h acute with sodium chloride as the toxicant) should be performed with a representative sub-set of the test organisms and result in an LC50 within the boundaries of the control chart. Deviations from acceptance standards should be documented and may result in the test being viewed as "conditionally acceptable" or "unacceptable" (See Section 19.0 below).

## 13.0 CALIBRATION AND STANDARDIZATION

Not applicable for the toxicity test. Any instrumentation (e.g., water quality instrumentation) required for conducting the test must be calibrated on a daily basis following the relevant SOP or instrument guidelines.

## 14.0 PROCEDURE

### 14.1 Test System and Conditions

The test system and environmental conditions for the daphnid acute toxicity test are summarized in Table 1.

### 14.2 Test Organisms

#### Procurement and Documentation

Test organisms for the daphnid acute test are obtained from Aquatec's laboratory cultures or commercial supplier. Neonates less than 24-h old are used for testing. Neonates collected for testing may be held in individual culture cups until distributed to tests. Feed neonates approximately 2 hours prior to test initiation by pipeting 0.1 ml yeast-Cerophyll-trout chow (YCT) and *Selenastrum capricornutum* to all neonate holding cups. Store the culture cups, covered, at test temperature ( $25 \pm 1^{\circ}\text{C}$  or  $20 \pm 1^{\circ}\text{C}$ ).

#### Evaluation of Daphnid Condition and Acclimation

If, during examination, it appears that more than 10 percent of the parent females or the neonates collected for the test have died during the holding period preceding the test, notify the Toxicity Laboratory Director immediately. A decision will be made regarding the possibility of collecting an alternate stock of neonates for testing. If the test is to be delayed, document the reason on the Project Documentation form. Also, it may be necessary to notify the client.

Ordinarily, *C. dubia* neonates are maintained in laboratory water (1:1 mix of Lamoille River water and moderately hard water) up until the time of test initiation. *D. magna* neonates are maintained in hard water while *D. pulex* neonates are maintained in moderately hard water. The temperature

of the neonate stock must be maintained at  $25 \pm 1^{\circ}\text{C}$  or ( $20 \pm 1^{\circ}\text{C}$ ). Return parent stock females from the neonate cups to the source batch culture. *Ceriodaphnia dubia* are cultured in individual culture cups (one organism per cup) maintained at  $25 \pm 1^{\circ}\text{C}$ .

If acclimation to a client's receiving water is required, gradual water changes should be made (eg., 25%-50% hourly) to the parent organisms to receiving water. Neonate release and collection should occur in 100 percent receiving water, if acclimation is required.

#### **Food**

At the time of neonate collection, or on the morning of a scheduled test, feed neonates in each cup 0.1 ml Selenastrum and 0.1 ml yeast-Cerophyll-trout chow (YCT).

#### **Sample Preparation**

Procedures for effluent and diluent sample preparation are described in a separate SOP TOX1-013 ("Preparation of Effluent, Aqueous Samples, and Receiving Water for Toxicity Tests". The typical dilution factors are 0.5, however, consult applicable client permits for the appropriate dilution factor and included permit-limit concentrations when required.

#### **14.3 Initiate the Test**

##### **Prepare Test Chambers**

For a test where receiving water is used as the diluent, an additional laboratory control must be included in the test array. New 30-mL disposable plastic condiment cups are used as test chambers. Each test treatment will have four true replicates (no water connection); therefore, 28 test cups will be required. When laboratory water is used as the diluent, 24 test cups are required. Label as:

Client Code  
Treatment  
Replicate (A, B, C, D)

##### **Measure Initial Chemistries**

Remove an aliquot (approximately 100 ml) from each test dilution and the controls. This aliquot is used to measure the following parameters: pH, DO, temperature, and conductivity. Record the data directly on the Toxicity Test Data Form for Day 0. The temperature of the solutions must be within a range of  $\pm 1^{\circ}\text{C}$  of the selected test temperature ( $20^{\circ}\text{C}$  or  $25^{\circ}\text{C}$ ). Temperature, DO, and pH are to be recorded daily for all test concentrations.

##### **Recommended water chemistry at time of test initiation**

If solutions are not within the ranges specified below, notify the Toxicity Laboratory Director.

pH - acceptable range, 6.0-9.0

DO - acceptable range, 8.0-8.9 mg/L ( $20^{\circ}\text{C}$ ); 7.4-8.1 ( $25^{\circ}\text{C}$ )

Temperature - acceptable range,  $19-21^{\circ}\text{C}$  or  $24-26^{\circ}\text{C}$

Conductivity - often has a pattern of increasing conductance with increasing sample strength.

Collect a sub-sample of the control and 100% effluent solutions subsequent analysis of hardness and alkalinity. Label and store in a refrigerator at  $4^{\circ}\text{C}$ .

If test solutions are to be stored temporarily prior to starting the test, store the test solutions at the target test temperature.

Decant test solutions to the appropriate test cups, 25 ml per cup. Place the test cups in randomized positions on the test board. Water chemistry measurements are recorded for one replicate of each treatment each day of the test.

### **Prepare and distribute test organisms**

Select approximately 20 brood cups (containing neonates collected for the test), each with 8 or more neonates. Pool neonates in a crystallizing dish prior to distribution to the test. Randomly distribute neonates to test containers (5 per test container) with a transfer pipet.

Record the date / time of test start along with initials on the data form.

### **Aeration**

Do not aerate daphnid acute tests.

### **Feeding**

Daphnids are not fed during acute toxicity test of 24-48 hours duration. If the test duration is 96 hours the test animals are fed 2 hours prior to the 48 hour water change.

## **14.4 Monitoring the test**

### **Test solution renewal (if required) and biological monitoring**

Test solutions in each test cup routinely are not renewed for 48 hour tests (unless the project protocol specifies daily renewal). If the test duration is 96 hours, renew test solutions at 48 hours (or daily, if specified in the project-specific protocol). During the renewal procedure, take care to avoid injuring neonates. Renew the controls first, then from low concentrations to higher test concentrations. This procedure will minimize the potential for back-contamination of a lower test concentration with a higher test concentration. The renewal procedure is conducted over a light table.

Remove the test board from the test rack and remove the glass cover. Carefully measure the temperature of one replicate of each test treatment. Record the data on the Final Chemistry Data form.

Fill four new cups coded for laboratory control with approximately 25 mL of laboratory control water. Remove laboratory control Replicate A test cup from the test board.

Transfer all surviving daphnids with a large-bore pipet to the new test cup containing new control solution. Record the number of survivors in the appropriate box for laboratory control, Replicate A.

Continue the water changes until all surviving animals in each treatment have been transferred to "new" water. Pool the "old test water" from the old test cups into a beaker. This must be saved for final chemistry analysis, when required. When renewals have been completed, record initials, date, and time for renewal in the remarks section of the daphnid acute data form. Replace all test cups in the assigned position on the test board.

### **Final Chemistry (daily during test, if required)**

Measure the temperature, pH, and D.O., and conductivity of the pooled water sample decanted from the four replicates for each test treatment. It is preferable to do this immediately after completing the renewal to obtain an accurate representation of the test conditions. Discard the solution in the appropriate waste receptacle.

## **14.5 Termination of the Toxicity Test**

The daphnid acute test may be ended at 24 hours, 48 hours, or 96 hours depending on permit requirements or the project-specific protocol. The guidelines for actual duration of the test are: 24-h test ( $\pm$  15 minutes from time of test start); 48-h test ( $\pm$  30 minutes from time of test start); and 96-h test ( $\pm$  60 minutes from time of test start).

### **Daphnid survival (end of test)**

For each replicate, determine the number of live daphnids remaining and record the results in the appropriate data box of the daphnid acute data form. A daphnid is scored as "alive" if any activity or self-propelled movement is observed. If necessary, examine organisms under a dissecting microscope to determine the number surviving.

Record the time of test completion in remarks section of the daphnid acute data form.

### **Final Chemistry (end of test)**

Measure and record temperature of one replicate from each test concentration. Combine the test solution from each replicate of each test concentration. Measure and record the final chemistry parameters (conductivity, pH and DO) as specified in 3.2.1 above.

### **15.0 CALCULATIONS**

The 48-h LC50 (or 96-h) and A-NOEC (if required) are calculated using the TOXIS2 software program. Enter the test data into the TOXIS2 template prepared for each client. Run the statistical program for the EPA Acute Toxicity Test flow chart and print the entered test data and the statistical results. Check the entered data against the original hand-written test data and record the date and initials. Place the statistical printouts in the project folder (by SDG) and return the folder with all paperwork to the project holding file.

### **16.0 METHOD PERFORMANCE**

Test conditions should be at or near the limits outlined in the Protocol (Table 1).

### **17.0 POLLUTION PREVENTION**

Effluents and receiving waters used in toxicity tests are stored refrigerated until the test data have been reviewed and deemed acceptable by the Laboratory Manager or the Director. Contact the Laboratory Manager or Director prior to discarding any stored samples. Effluent and receiving water samples may be discarded following a period of chlorination (e.g., 30 minutes). Effluent samples that have exhibited high toxicity in low test concentrations should be discarded in the "Aqueous Waste" drum for disposal by a certified waste handler. Other samples containing unknown or suspected toxic contaminants should be discarded in the "Aqueous Waste" drum.

### **18.0 DATA ASSESSMENT AND ACCEPTANCE CRITERIA FOR QUALITY CONTROL MEASURES**

The Laboratory Manager and/or the Laboratory Director will review test data to ensure that all elements of the data package are available and complete (Log-in work sheets, test IDs, Chain-of-Custody documentation, toxicity test benchsheets, organism records, and SRT data). The reviewer will check to package for transcription errors, clarity of observations and notations, initials, and completeness. The reviewer will also compare the test data to the Quality Control standards outlined in Section 12.0 above. Any deficiencies will be addressed and resolved (with appropriate notation) prior to assembling the package for the final report.

### **19.0 CORRECTIVE ACTIONS FOR OUT-OF-CONTROL DATA**

Data that do not meet Quality Control standards will be assessed and a decision will be made whether to reject the test data and deemed "unacceptable" (requiring a repeated test) or "provisionally acceptable" (requiring a qualifier in the final report). An example of and unacceptable test could include one where the controls fail to meet the 90% survival requirement. A designation of a "provisionally acceptable" test might include one where samples were received outside of prescribed holding temperatures or times.

### **20.0 CONTINGENCIES FOR HANDLING OUT-OF-CONTROL OR UNACCEPTABLE DATA**

Analysts experiencing an "out-of-control" event (e.g., test replicate spills, test solutions improperly prepared, test temperatures out of target range, etc.) should note the event on the bench sheet and also notify the Laboratory Manager or Laboratory Director. A decision will be

made by the Laboratory Manager or Laboratory Director as to whether to continue the test (with the appropriate qualifier) or whether to terminate the test. If the test is terminated, the client should be notified so that re-sampling and re-testing can be scheduled as soon as possible.

**21.0 WASTE MANAGEMENT**

See 17.0 above.

**22.0 REFERENCES**

The test procedure is based upon the guidelines outlined in EPA/600/4-90/027F, *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms* (4<sup>th</sup> Ed.). Regional guidelines may require in slight modifications of the test protocol (e.g., solution renewals, test duration, target test temperature).

**23.0 TABLES, DIAGRAMS, FLOW CHARTS, AND VALIDATION DATA**

Refer to Tables 11 and 12 (pp. 57-60) of EPA/600/4-90/027F and the EPA Statistical Flow Chart, Figure 6 (page 77) of EPA/600/4-90/027F and related discussions within that document.

**24.0 TRAINING**

Laboratory analysts performing this procedure must receive instruction from a previously trained analyst. Individual parts of the overall procedure may be performed under the guidance of a previously-trained analyst.

To be qualified for the overall procedure outlined in this SOP, the analyst must:

- Read this SOP.
- Receive verbal and visual instruction.
- Be trained on pertinent associated SOPs.

Approvals:

Laboratory Manager:	Date:
---------------------	-------

**Table 1. Test Protocol**

PROTOCOL: EPA 2002. *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, Methods 2002.0 (*Ceriodaphnia dubia*) and 2021.0 (*Daphnia magna* and *Daphnia pulex*) acute toxicity tests.

1. Test type:	Static, no renewal; or daily renewal
2. Test temperature:	25 ± 1°C (or 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:	25 ml / replicate
7. Renewal of test concentrations:	None if static test, daily if renewal test
8. Age of test organisms:	Less than 24 h
9. No. organisms / test chamber:	5
10. No. of replicate chambers / concentration:	4
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 for 48-h tests. Feed 2 hours prior to 48-h (before renewal) for 96-h tests
13. Cleaning:	None
14. Aeration:	None
15. Dilution water:	Receiving Water or laboratory water
16. Test concentrations:	6.25, 12.5, 25, 50, 100% (unless specified otherwise by permit)
17. Laboratory control:	Reconstituted water (soft, moderately hard, or hard)
18. Test duration:	48 h; 96 h
19. Monitoring:	Day 0: temperature, DO, pH, and conductivity. Day 1: temperature. Day 2 (or 4): temperature, DO, pH, and conductivity. Hardness, alkalinity on each new sample. Biological monitoring daily
19. End points:	Survival
20. Reference toxicant test:	Sodium chloride 48-h LC50
21. Test acceptability (Control performance):	90% or greater survival
22. Data interpretation:	LC50 / A-NOEC





## **APPENDIX 2**

### **Laboratory Reports**

Columbia Analytical Services, Inc.  
O'Brien & Gere, Inc.

NPDES Sampling  
GE Pittsfield  
Toxicity pH

Date: 2/7/06

Acute Dry

Acute Wet

Chronic  (Day 1,2 or 3)

Effluent Composite

Sample # A7118C

Date 2-7-06

Time 1100AM

pH 7.99 su

River/Dilution Water

Sample # A7117R

Date 2-7-06

Time 815AM

pH 7.04 su

Mark Wasniewsky 2-7-06

Signed & Dated

COLUMBIA ANALYTICAL SERVICES

Reported: 02/27/06

General Electric  
Project Reference: GE PITTSFIELD BIOMONITORING - 2/06  
Client Sample ID : A7117R

---

Date Sampled : 02/07/06 08:15                      Order #: 880666                      Sample Matrix: WATER  
Date Received: 02/08/06                      Submission #: R2630230

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL SUSPENDED SOLIDS	160.2	1.00	1.03 U	MG/L	02/10/06	13:00	1.0

---

COLUMBIA ANALYTICAL SERVICES

Reported: 02/27/06

General Electric  
Project Reference: GE PITTSFIELD BIOMONITORING - 2/06  
Client Sample ID : A7118C

---

Date Sampled : 02/07/06 11:00                      Order #: 880668                      Sample Matrix: WATER  
Date Received: 02/08/06                      Submission #: R2630230

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL SUSPENDED SOLIDS	160.2	1.00	1.12	MG/L	02/10/06	13:00	1.0

---

COLUMBIA ANALYTICAL SERVICES

Reported: 02/27/06

General Electric  
Project Reference: GE PITTSFIELD BIOMONITORING - 2/06  
Client Sample ID : A7117RTM

---

Date Sampled : 02/07/06 08:15      Order #: 880669      Sample Matrix: WATER  
Date Received: 02/08/06      Submission #: R2630230

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	02/13/06	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	02/11/06	1.0
CALCIUM	200.7	0.500	9.97	MG/L	02/11/06	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	02/11/06	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	02/11/06	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	02/11/06	1.0
MAGNESIUM	200.7	0.500	3.31	MG/L	02/11/06	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	02/11/06	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	02/11/06	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	02/13/06	1.0

---

COLUMBIA ANALYTICAL SERVICES

Reported: 02/27/06

General Electric  
Project Reference: GE PITTSFIELD BIOMONITORING - 2/06  
Client Sample ID : A7118CTM

---

Date Sampled : 02/07/06 11:00      Order #: 880670      Sample Matrix: WATER  
Date Received: 02/08/06      Submission #: R2630230

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	02/13/06	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	02/11/06	1.0
CALCIUM	200.7	0.500	86.4	MG/L	02/11/06	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	02/11/06	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	02/11/06	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	02/11/06	1.0
MAGNESIUM	200.7	0.500	35.9	MG/L	02/11/06	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	02/11/06	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	02/11/06	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	02/13/06	1.0

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COLUMBIA ANALYTICAL SERVICES

Reported: 02/27/06

General Electric  
Project Reference: GE PITTSFIELD BIOMONITORING - 2/06  
Client Sample ID : A7118CDM

---

Date Sampled : 02/07/06 11:00      Order #: 880671      Sample Matrix: WATER  
Date Received: 02/08/06      Submission #: R2630230

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ALUMINUM	200.7	0.100	0.100 U	MG/L	02/13/06	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	02/11/06	1.0
CHROMIUM	200.7	0.0100	0.0100 U	MG/L	02/11/06	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	02/11/06	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	02/11/06	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	02/11/06	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	02/11/06	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	02/13/06	1.0

---

COLUMBIA ANALYTICAL SERVICES

Reported: 02/27/06

General Electric  
Project Reference: GE PITTSFIELD BIOMONITORING - 2/06  
Client Sample ID : A7117RCN

---

Date Sampled : 02/07/06 08:15                      Order #: 880672                      Sample Matrix: WATER  
Date Received: 02/08/06                      Submission #: R2630230

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	02/15/06	07:00	1.0

---



COLUMBIA ANALYTICAL SERVICES

Reported: 02/27/06

General Electric  
Project Reference: GE PITTSFIELD BIOMONITORING - 2/06  
Client Sample ID : A7118CCN

---

Date Sampled : 02/07/06 11:00                      Order #: 880673                      Sample Matrix: WATER  
Date Received: 02/08/06                      Submission #: R2630230

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL CYANIDE	335.4	0.0100	0.0351	MG/L	02/15/06	07:00	1.0

---

COLUMBIA ANALYTICAL SERVICES

Reported: 02/27/06

General Electric  
Project Reference: GE PITTSFIELD BIOMONITORING - 2/06  
Client Sample ID : A7117R

---

Date Sampled : 02/07/06 08:15      Order #: 880676      Sample Matrix: WATER  
Date Received: 02/08/06      Submission #: R2630230

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE	TIME	DILUTION
					ANALYZED	ANALYZED	
AMMONIA	350.1	0.0500	0.100 U	MG/L	02/16/06	10:40	2.0
CHLORIDE	300.0	0.200	13.9	MG/L	02/10/06	11:48	10.0
CONDUCTIVITY	120.1		121	umhos/cm	02/09/06	19:20	1.0
RESIDUAL CHLORINE (TOTAL)	330.4	0.100	0.100 U	MG/L	02/08/06	14:00	1.0
TOTAL ALKALINITY	310.1	2.00	30.0	MG/L	02/10/06	08:50	1.0
TOTAL ORGANIC CARBON	415.1	1.00	4.27	MG/L	02/09/06	13:17	1.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0500 U	MG/L	02/15/06	15:36	1.0
TOTAL SOLIDS	160.3	10.0	74.0	MG/L	02/13/06	12:00	1.0

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COLUMBIA ANALYTICAL SERVICES

Reported: 02/27/06

General Electric  
Project Reference: GE PITTSFIELD BIOMONITORING - 2/06  
Client Sample ID : A7118C

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Date Sampled : 02/07/06 11:00      Order #: 880679      Sample Matrix: WATER  
Date Received: 02/08/06      Submission #: R2630230

---

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
AMMONIA	350.1	0.0500	0.331	MG/L	02/16/06	10:40	1.0
CHLORIDE	300.0	0.200	192	MG/L	02/11/06	02:38	100.0
CONDUCTIVITY	120.1		1270	umhos/cm	02/09/06	19:20	1.0
RESIDUAL CHLORINE (TOTAL)	330.4	0.100	0.100 U	MG/L	02/08/06	14:00	1.0
TOTAL ALKALINITY	310.1	2.00	346	MG/L	02/10/06	08:50	1.0
TOTAL ORGANIC CARBON	415.1	1.00	5.94	MG/L	02/09/06	14:15	1.0
TOTAL PHOSPHORUS	365.1	0.0500	0.0500 U	MG/L	02/15/06	15:36	1.0
TOTAL SOLIDS	160.3	10.0	691	MG/L	02/13/06	12:00	1.0

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# 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      OF     

SFA #

CAS Contact

Project Name		Project Number	ANALYSIS REQUESTED (include Method Number and Container Preservative)		REMARKS/ALTERNATE DESCRIPTION
Client Sample ID	FOR OFFICE USE ONLY	LAB ID	SAMPLING DATE	TIME	MATRIX
065-A7131/A7132			2-7-06	7:00 AM	H <sub>2</sub> O
005-A7131/A7132				7:00 AM	
A7117R				8:15 AM	
A7118C				7:00 AM	
A7117RTM				8:15 AM	
A7118CTM				7:00 AM	
A7118CDM				8:15 AM	
A7117RCN				7:00 AM	
A7118CCN				8:15 AM	
<i>Filtered Preserved</i>					

<p>Project Name: <b>SNPDES PERMIT</b></p> <p>Project Manager: <b>J. Nicholson</b></p> <p>Company/Address: <b>GE Corp Environmental</b>  <b>159 Plastics Ave Bldg 59</b>  <b>Pittsfield MA 01201</b></p> <p>Phone # <b>413 448 5915</b> FAX <b>413 448 5935</b></p> <p>Sampler's Signature: <i>[Signature]</i> Sampler's Printed Name: <b>MATTHEW W. SIKESKY</b></p>	<p>Project Number: <b>413 448 5935</b></p> <p>Report CC: <b>413 448 5935</b></p>	<p>PRESERVATIVE</p> <p>NUMBER OF CONTAINERS</p> <p>GCMS VOAs <input type="checkbox"/> 8260 <input type="checkbox"/> 624 <input type="checkbox"/> CLP</p> <p>GCMS SVoAs <input type="checkbox"/> 8270 <input type="checkbox"/> 625 <input type="checkbox"/> CLP</p> <p>GC VOAs <input type="checkbox"/> 8021 <input type="checkbox"/> 601/602</p> <p>PESTICIDES <input type="checkbox"/> 8081 <input type="checkbox"/> 608 <input type="checkbox"/> CLP</p> <p>PCBs <input type="checkbox"/> 8082 <input type="checkbox"/> 608 <input type="checkbox"/> CLP</p> <p>METALS, TOTAL <input type="checkbox"/> EPA 200.7</p> <p>METALS, DISSOLVED <input type="checkbox"/> EPA 200.7</p> <p>(List in comments below)</p> <p>METALS, TOTAL <input type="checkbox"/> EPA 200.7</p> <p>METALS, DISSOLVED <input type="checkbox"/> EPA 200.7</p> <p>(List in comments below)</p> <p>BOD EPA 405.1</p> <p>TSS EPA 160.2</p> <p>CYANIDE EPA 935.4</p>	<p>Preservative Key</p> <p>0. NONE</p> <p>1. HCL</p> <p>2. HNO<sub>3</sub></p> <p>3. H<sub>2</sub>SO<sub>4</sub></p> <p>4. NaOH</p> <p>5. Zn, Acetate</p> <p>6. MeOH</p> <p>7. NaHSO<sub>4</sub></p> <p>8. Other</p>
---	--	---	--

<p>SPECIAL INSTRUCTIONS/COMMENTS</p> <p><b>Metals TOTAL METALS(10) &amp; DISSOLVED METALS (8)</b></p> <p><b>LISTED ON SAMPLE LABEL</b></p>	<p>TURNAROUND REQUIREMENTS</p> <p>RUSH (SURCHARGES APPLY)</p> <p>24 hr <input type="checkbox"/> 48 hr <input checked="" type="checkbox"/> 5 day</p> <p>STANDARD</p> <p>REQUESTED FAX DATE</p> <p>REQUESTED REPORT DATE</p>	<p>REPORT REQUIREMENTS</p> <p>I. Results Only</p> <p>II. Results + QC Summaries (LCS, DUP, MS/MSD as required)</p> <p>III. Results + QC and Calibration Summaries</p> <p>IV. Data Validation Report with Raw Data</p> <p>V. Specialized Forms / Custom Report</p> <p>Edata <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>INVOICE INFORMATION</p> <p>PO#</p> <p>BILL TO</p> <p>SUBMISSION # <b>R1630930</b></p>
--	--	---	--

<p>See OAPP <input type="checkbox"/></p> <p>SAMPLE RECEIPT CONDITION/COOLER TEMP: _____</p> <p>RELINQUISHED BY: <i>[Signature]</i></p> <p>RECEIVED BY: <i>[Signature]</i></p>	<p>CUSTODY SEALS: Y N</p> <p>RELINQUISHED BY: _____</p> <p>RECEIVED BY: _____</p>
---	---

<p>Signature: <i>[Signature]</i></p> <p>Printed Name: <b>Gregory O. Swenka</b></p> <p>Firm: <b>CAS</b></p> <p>Date/Time: <b>2-7-06 2:00 PM</b></p>	<p>Signature: <i>[Signature]</i></p> <p>Printed Name: _____</p> <p>Firm: _____</p> <p>Date/Time: <b>2-8-06 9:20</b></p>
--	---



**Cooler Receipt And Preservation Check Form**

Project/Client GE Submission Number \_\_\_\_\_

Cooler received on 2-8-06 by: KE COURIER: CAS UPS FEDEX VELOCITY CLIENT

- |    |  |                        |           |     |
|----|--|------------------------|-----------|-----|
| 1. | Were custody seals on outside of cooler?                     | YES                    | <u>NO</u> |     |
| 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?              | YES                    | <u>NO</u> | N/A |
| 5. | Were <u>Ice</u> or Ice packs present?                        | <u>YES</u>             | NO        |     |
| 6. | Where did the bottles originate?                             | <u>CAS/ROC, CLIENT</u> |           |     |
| 7. | Temperature of cooler(s) upon receipt:                       | <u>2.9°</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: 2-8-06 @ 9:32

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: \_\_\_\_\_

Cooler Breakdown: Date: \_\_\_\_\_ by: \_\_\_\_\_

- |    |  |                       |                           |
|----|--|-----------------------|---------------------------|
| 1. | Were all bottle labels complete (i.e. analysis, preservation, etc.)? | YES                   | NO                        |
| 2. | Did all bottle labels and tags agree with custody papers?            | YES                   | NO                        |
| 3. | Were correct containers used for the tests indicated?                | YES                   | NO                        |
| 4. | Air Samples: Cassettes / Tubes Intact                                | Canisters Pressurized | Tedlar® Bags Inflated N/A |

Explain any discrepancies: \_\_\_\_\_

	YES	NO	Sample I.D.	Reagent	Vol. Added
pH					
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: \_\_\_\_\_

**APPENDIX 3**

**Chain of Custody Forms**





2/7/2006

ACUTE AQUATIC TOXICITY COMPOSITE

Month: FEB  
Week: 2  
Fiscal Wk: 6  
Weather: DRY

	Gallons/Day	Ml in Composite	Percent of Composite
001	209,950	4,938.98	42.95%
004	0	-	0.00%
007	0	-	0.00%
64T	27,970	657.98	5.72%
64G	249,840	5,877.37	51.11%
09A	0	-	0.00%
09B	1,091	25.67	0.22%
	488,851	11500	100.00%

The Acute Toxicity Composite was made today by Mark Wasnewsky @ 11:00 AM  
according to the table above, and given the sample ID# A7118C.

COC # OBG020706  
2-7-06

Mark Wasnewsky  
Signed  
2-7-06  
Date





**Cooler Receipt And Preservation Check Form**

Project/Client GE Submission Number \_\_\_\_\_

Cooler received on 2-8-06 by: KC COURIER: CAS UPS FEDEX VELOCITY CLIENT

- |    |  |                        |           |     |  |
|----|--|------------------------|-----------|-----|--|
| 1. | Were custody seals on outside of cooler?                     | YES                    | <u>NO</u> |     |  |
| 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?              | YES                    | <u>NO</u> | N/A |  |
| 5. | Were Ice or Ice packs present?                               | <u>YES</u>             | NO        |     |  |
| 6. | Where did the bottles originate?                             | <u>CAS/ROC, CLIENT</u> |           |     |  |
| 7. | Temperature of cooler(s) upon receipt:                       | <u>2.9°</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: 2-8-06 @ 9:32

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: \_\_\_\_\_

Cooler Breakdown: Date: \_\_\_\_\_ by: \_\_\_\_\_

- |    |   |     |     |
|----|---|-----|-----|
| 1. | Were all bottle labels complete (i.e. analysis, preservation, etc.)?              | YES | NO  |
| 2. | Did all bottle labels and tags agree with custody papers?                         | YES | NO  |
| 3. | Were correct containers used for the tests indicated?                             | YES | NO  |
| 4. | Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated |     | N/A |

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: \_\_\_\_\_