GE
159 Plastics Avenue
Pittsfield, MA 01201
USA

*Transmitted via Overnight Courier*

May 9, 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 April 2006 (GECD900)**

Dear Mr. Tagliaferro and Ms. Steenstrup:

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

Sincerely,

John F. Novotny/JAP

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

Enclosure
V:\GE_Pittsfield_General\Reports and Presentations\Monthly Reports\2006\4-06 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 and CD-ROM of report)
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)
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 EOEA
Mayor James Ruberto, City of Pittsfield
Thomas Hickey, Director, Pittsfield Economic Development Authority
Linda Palmieri, Weston
Richard Nasman, P.E., Berkshire Gas (CD-ROM of report)
Michael Carroll GE (CD-ROM of report)
Andrew Silfer, 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)*

***April 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
# (GECD900)
# APRIL 2006

**a. Activities Undertaken/Completed**

- Attended Citizens Coordinating Council (CCC) meeting (April 12, 2006).

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

- Submitted memorandum to EPA and MDEP on procedures for evaluation of sulfide in soil at areas within Site (April 4, 2006).*

**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 March 1 through March 31, 2006, are provided in Attachment B to this report.

- GE received a report from Columbia Analytical Services, Inc. titled *NPDES Biomonitoring Report for April 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 April 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 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.*

- Submit modification to FSP/QAPP regarding the cleaning procedure associated with the EPA TO-4 Puff analysis for air monitoring.*

# GENERAL ACTIVITIES
# (cont'd)
# GE-PITTSFIELD/HOUSATONIC RIVER SITE
# (GECD900)
# APRIL 2006

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

- Work with Agencies on modification to Consent Decree to address revision to footprint of Hill 78 On-Plant Consolidation Area (OPCA) and use of crushed building demolition materials in 40s and 30s Complexes.*

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

No issues

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

None

# ITEM 1
# PLANT AREA
# 20s, 30s, 40s COMPLEXES
# (GECD120)
# APRIL 2006

**a. Activities Undertaken/Completed**

- Continued concrete crushing/processing, stockpiling of crushed materials, 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.

**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.

- Continue construction of crushed material stockpile at 40s Complex.

- Submit letter regarding partial removal and restoration of floor slabs at Buildings 42, 43/43A, and 44.

- Due to discovery of oil in the Building 43 elevator shaft (on May 1, 2006), remove hydraulic piston and oil from that elevator shaft and, following EPA approval, decommission with tremie grout.

**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 APRIL 2006**

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/3/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/3/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/3/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/3/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/3/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/4/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/4/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/4/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/4/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/4/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/5/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/5/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/5/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/5/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/5/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/6/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/6/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/6/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/6/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/6/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/7/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/7/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/7/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/7/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/7/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/10/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/10/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/10/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/10/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/10/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/11/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/11/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/11/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/11/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/11/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/12/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/12/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/12/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/12/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/12/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |

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

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/13/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/13/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/13/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/13/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/13/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/14/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/14/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/14/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/14/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/14/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/17/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/17/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/17/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/17/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/17/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/18/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/18/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/18/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/18/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/18/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/19/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/19/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/19/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/19/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/19/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/20/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/20/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/20/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/20/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/20/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/21/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/21/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/21/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/21/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/21/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/24/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/24/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/24/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/24/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/24/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |

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

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/25/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/25/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/25/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/25/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/25/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/26/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/26/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/26/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/26/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/26/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | W3 - West of 40s Complex | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | MC3 - Near Bldg. 16 & 19 | 4/28/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/28/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | S2 - Woodlawn Avenue | 4/28/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/28/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| PCB Ambient Air Sampling | Field Blank | 4/13 - 4/14/06 | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | W3 - West of 40s Complex | 4/13 - 4/14/06 | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | S2 - Woodlawn Avenue | 4/13 - 4/14/06 | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | M2 - South of Bldg. 5 | 4/13 - 4/14/06 | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | M2-CO South of Bldg. 5 | 4/13 - 4/14/06 | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | MC3 - Near Bldg. 16 & 19 | 4/13 - 4/14/06 | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | BK3-Background - East of Building 9B | 4/13 - 4/14/06 | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | Field Blank | 4/24 - 4/25/06 | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | W3 - West of 40s Complex | 4/24 - 4/25/06 | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | S2 - Woodlawn Avenue | 4/24 - 4/25/06 | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | M2 - South of Bldg. 5 | 4/24 - 4/25/06 | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | M2-CO South of Bldg. 5 | 4/24 - 4/25/06 | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | MC3 - Near Bldg. 16 & 19 | 4/24 - 4/25/06 | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | BK3-Background - East of Building 9B | 4/24 - 4/25/06 | Air | Berkshire Environmental | PCB | 5/5/2006 |

**TABLE 1-2**
**AMBIENT AIR PCB DATA RECEIVED DURING APRIL 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 Bldg. 16 & 19 (µg/m3) | BK3-Background - East of Bldg. 9B (µg/m3) |
|---|---|---|---|---|---|---|---|---|
| 4/13 - 4/14/06 | 4/20/06 | ND (<0.10) | 0.0068 | 0.0028 | 0.0108 | 0.0111 | 0.0052 | 0.0007 |
| 4/24 - 4/25/06 | 4/27/06 | ND (<0.10) | 0.0058 | 0.0018 | 0.0067 | 0.0088 | 0.0040 | 0.0020 |
| Notification Level | | | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |

Notes:

1. ND - Non-Detect
2. Both of the April PCB events for the 40s Complex were run concurrently with PCB events for Buildings 1, 2, & 3. One colocated site (M2) for both projects was used as a precision check.

**TABLE 1-3**
**AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING APRIL 2006[1]**

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

| Sampling Date[2] | Sampler Location | Average Site Concentration ($mg/m^3$) | Background Site Concentration ($mg/m^3$) | Average Period (Hours:Min) | Predominant Wind Direction |
|---|---|---|---|---|---|
| 4/3/06 | W3 - West of 40s Complex | 0.031* | 0.011* | 11:15 | Variable |
| | MC3 - Near Bldg. 16 & 19 | 0.012* | | 11:00 | |
| | M2 - South of Bldg. 5 | 0.011* | | 10:45 | |
| | S2 - Woodlawn Avenue | 0.007* | | 11:00 | |
| 4/4/06 | W3 - West of 40s Complex | 0.005* | 0.006* | 11:30 | WNW |
| | MC3 - Near Bldg. 16 & 19 | 0.004* | | 11:00 | |
| | M2 - South of Bldg. 5 | 0.006* | | 11:00 | |
| | S2 - Woodlawn Avenue | 0.003* | | 11:15 | |
| 4/5/06 | W3 - West of 40s Complex | 0.012* | 0.006* | 11:15 | NNW |
| | MC3 - Near Bldg. 16 & 19 | 0.004* | | 11:00 | |
| | M2 - South of Bldg. 5 | 0.008* | | 11:00 | |
| | S2 - Woodlawn Avenue | 0.010* | | 11:00 | |
| 4/6/06 | W3 - West of 40s Complex | 0.017* | 0.009* | 11:00 | WNW |
| | MC3 - Near Bldg. 16 & 19 | 0.009* | | 11:15 | |
| | M2 - South of Bldg. 5 | 0.014* | | 11:00 | |
| | S2 - Woodlawn Avenue | 0.007* | | 11:15 | |
| 4/7/06 | W3 - West of 40s Complex | 0.045* | 0.029* | 10:45 | SSW |
| | MC3 - Near Bldg. 16 & 19 | 0.032* | | 11:00 | |
| | M2 - South of Bldg. 5 | 0.032* | | 10:15 | |
| | S2 - Woodlawn Avenue | 0.026* | | 11:00 | |
| 4/10/06 | W3 - West of 40s Complex | 0.021* | 0.010* | 10:30 | WNW |
| | MC3 - Near Bldg. 16 & 19 | 0.012* | | 10:45 | |
| | M2 - South of Bldg. 5 | 0.015* | | 10:30 | |
| | S2 - Woodlawn Avenue | 0.007* | | 10:45 | |
| 4/11/06 | W3 - West of 40s Complex | 0.027* | 0.014* | 11:00 | Calm |
| | MC3 - Near Bldg. 16 & 19 | 0.023* | | 11:00 | |
| | M2 - South of Bldg. 5 | 0.018* | | 11:00 | |
| | S2 - Woodlawn Avenue | 0.012* | | 11:15 | |
| 4/12/06 | W3 - West of 40s Complex | 0.044* | 0.021* | 11:30 | SSW |
| | MC3 - Near Bldg. 16 & 19 | 0.030* | | 11:15 | |
| | M2 - South of Bldg. 5 | 0.023* | | 11:15 | |
| | S2 - Woodlawn Avenue | 0.006* | | 5:15[3] | |
| 4/13/06 | W3 - West of 40s Complex | 0.018* | 0.013* | 11:00 | WNW |
| | MC3 - Near Bldg. 16 & 19 | 0.020* | | 11:15 | |
| | M2 - South of Bldg. 5 | 0.013* | | 11:15 | |
| | S2 - Woodlawn Avenue | 0.011* | | 11:00 | |
| 4/14/06 | W3 - West of 40s Complex | 0.016* | 0.014* | 9:15[4] | SSW |
| | MC3 - Near Bldg. 16 & 19 | 0.027* | | 11:30 | |
| | M2 - South of Bldg. 5 | 0.016* | | 11:15 | |
| | S2 - Woodlawn Avenue | 0.011* | | 11:15 | |
| 4/17/06 | W3 - West of 40s Complex | 0.004* | 0.004* | 11:30 | NNW |
| | MC3 - Near Bldg. 16 & 19 | 0.003* | | 11:15 | |
| | M2 - South of Bldg. 5 | 0.005* | | 11:00 | |
| | S2 - Woodlawn Avenue | 0.006* | | 11:00 | |
| 4/18/06 | W3 - West of 40s Complex | 0.005* | 0.003* | 11:30 | NNW |
| | MC3 - Near Bldg. 16 & 19 | 0.004* | | 11:15 | |
| | M2 - South of Bldg. 5 | 0.007* | | 11:15 | |
| | S2 - Woodlawn Avenue | 0.008* | | 11:00 | |

**TABLE 1-3**
**AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING APRIL 2006[1]**

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

| Sampling Date[2] | Sampler Location | Average Site Concentration ($mg/m^3$) | Background Site Concentration ($mg/m^3$) | Average Period (Hours:Min) | Predominant Wind Direction |
|---|---|---|---|---|---|
| 4/19/06 | W3 - West of 40s Complex | 0.008* | 0.003* | 11:30 | NNW |
| | MC3 - Near Bldg. 16 & 19 | 0.009* | | 11:15 | |
| | M2 - South of Bldg. 5 | 0.009* | | 11:15 | |
| | S2 - Woodlawn Avenue | 0.008* | | 11:15 | |
| 4/20/06 | W3 - West of 40s Complex | 0.008* | 0.005* | 10:45 | WNW, NNW |
| | MC3 - Near Bldg. 16 & 19 | 0.008* | | 11:15 | |
| | M2 - South of Bldg. 5 | 0.009* | | 11:00 | |
| | S2 - Woodlawn Avenue | 0.009* | | 11:00 | |
| 4/21/06 | W3 - West of 40s Complex | 0.013* | 0.007* | 12:00 | Variable |
| | MC3 - Near Bldg. 16 & 19 | 0.008* | | 11:30 | |
| | M2 - South of Bldg. 5 | 0.009* | | 11:30 | |
| | S2 - Woodlawn Avenue | 0.006* | | 11:30 | |
| 4/24/06 | W3 - West of 40s Complex | 0.008* | 0.007* | 11:45 | Calm |
| | MC3 - Near Bldg. 16 & 19 | 0.006* | | 12:15 | |
| | M2 - South of Bldg. 5 | 0.008* | | 12:45 | |
| | S2 - Woodlawn Avenue | 0.007* | | 12:15 | |
| 4/25/06 | W3 - West of 40s Complex | 0.036* | 0.018* | 12:45 | WNW |
| | MC3 - Near Bldg. 16 & 19 | 0.022* | | 12:15 | |
| | M2 - South of Bldg. 5 | 0.028* | | 12:15 | |
| | S2 - Woodlawn Avenue | 0.020* | | 12:15 | |
| 4/26/06 | W3 - West of 40s Complex | 0.011* | 0.005* | 12:30 | SSW |
| | MC3 - Near Bldg. 16 & 19 | 0.007* | | 12:15 | |
| | M2 - South of Bldg. 5 | 0.007* | | 12:15 | |
| | S2 - Woodlawn Avenue | 0.004* | | 12:15 | |
| 4/27/06 | W3 - West of 40s Complex | 0.015* | 0.013* | 11:45 | WNW |
| | MC3 - Near Bldg. 16 & 19 | 0.018* | | 10:30 | |
| | M2 - South of Bldg. 5 | 0.020* | | 11:45 | |
| | S2 - Woodlawn Avenue | 0.010* | | 10:45 | |
| 4/28/06 | W3 - West of 40s Complex | 0.006* | 0.005* | 12:15 | NNW |
| | MC3 - Near Bldg. 16 & 19 | 0.005* | | 12:00 | |
| | M2 - South of Bldg. 5 | 0.006* | | 11:45 | |
| | S2 - Woodlawn Avenue | 0.005* | | 12:00 | |
| Notification Level | | 0.120 | | | |

Notes:

NA - Not Available

* Measured with a DR-2000 or DR-4000.

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.

[1] Monitoring was performed only on days when site activities occurred.

[2] The particulate monitors obtain real-time data. The sampling data were obtained by BEC on the sampling date.

[3] Sampling period was shortened due to site power issue.

[4] Sampling period was shortened due to site access problem (gate locked).

# ITEM 2
# PLANT AREA
# EAST STREET AREA 2-SOUTH
# (GECD150)
# APRIL 2006

**a. Activities Undertaken/Completed**

- Conducted sampling of interplant roadway sweepings at Building 64, as identified in Table 2-1.
- Conducted sampling of GE microfilm at Building 16, as identified in Table 2-1.
- Conducted drum sampling at Building 78 of carbon from Building 64G roll-offs and of water from decontamination activities, 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 APRIL 2006**

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Building 16 GE Micro Film Sampling | 10734-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 10757-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 10759-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 10760-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 10761-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 10762-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 10765-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 10813-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11102-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11103-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11104-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11106-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11108-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11111-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11114-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11116-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11118-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11120-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11122-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11123-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11124-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11125-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11128-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11231-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11252-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 11282-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP114-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP12-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP133-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP136-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP146-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP155-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP158-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP160-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |

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

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Building 16 GE Micro Film Sampling | 16DP195-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP198-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP23-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP3-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP44-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP46-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP48-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP5-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP57-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP58-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP64-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | 16DP7-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | PWR-D546449-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | PWR-D572164-W1 | 4/5/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | PWR-D575009-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 16 GE Micro Film Sampling | TCI-C155607-W1 | 4/3/06 | Wipe | SGS | PCB | 4/14/06 |
| Building 78 Drum Sampling | BLDG64G-VPC-1 | 4/25/06 | Carbon | SGS | PCB, TCLP | |
| Building 78 On/Off Site Drum Sampling | BLDG78-042506-1 | 4/25/06 | Water | SGS | PCB | |
| Interplant Roadway Sweepings | Bldg64-Sweepings-C1 | 4/13/06 | Soil | SGS | PCB | 4/19/06 |
| Interplant Roadway Sweepings | Bldg64-Sweepings-C2 | 4/13/06 | Soil | SGS | PCB | 4/19/06 |
| Interplant Roadway Sweepings | Bldg64-Sweepings-C3 | 4/13/06 | Soil | SGS | PCB | 4/19/06 |
| Interplant Roadway Sweepings | Bldg64-Sweepings-C4 | 4/13/06 | Soil | SGS | PCB | 4/19/06 |
| Interplant Roadway Sweepings | Bldg64-Sweepings-C5 | 4/13/06 | Soil | SGS | PCB | 4/19/06 |

**TABLE 2-2**
**PCB DATA RECEIVED DURING APRIL 2006**

**INTERPLANT ROADWAY SWEEPINGS**
**EAST STREET AREA 2 - SOUTH**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in dry weight parts per million, ppm)**

| Sample ID | Date Collected | Aroclor-1016, -1221, -1232, -1242, -1248 | Aroclor-1254 | Aroclor-1260 | Total PCBs |
|---|---|---|---|---|---|
| BLDG64-SWEEPINGS-C1 | 4/13/06 | ND(0.036) | 0.47 | 0.13 | 0.60 |
| BLDG64-SWEEPINGS-C2 | 4/13/06 | ND(0.036) | 0.39 | 0.43 | 0.82 |
| BLDG64-SWEEPINGS-C3 | 4/13/06 | ND(0.36) | 2.3 | 6.1 | 8.4 |
| BLDG64-SWEEPINGS-C4 | 4/13/06 | ND(0.036) | 0.92 | 0.27 | 1.19 |
| BLDG64-SWEEPINGS-C5 | 4/13/06 | ND(0.18) | 1.8 | 2.1 | 3.9 |

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 2-3**
**PCB DATA RECEIVED DURING APRIL 2006**

**BUILDING 16 GE MICRO FILM SAMPLING**
**EAST STREET AREA 2 - SOUTH**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in µg/100cm$^2$)**

| Sample ID | Date Collected | Aroclor-1016 | Aroclor-1221 | Aroclor-1232 | Aroclor-1242 | Aroclor-1248 | Aroclor-1254 | Aroclor-1260 | Total PCBs |
|---|---|---|---|---|---|---|---|---|---|
| 16DP3-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP5-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP7-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP12-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP23-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP44-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP46-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP48-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP57-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP58-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP64-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP114-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | 0.94 J | ND(1.0) | ND(1.0) | ND(1.0) | 0.94 J |
| 16DP133-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP136-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP146-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP155-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP158-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | 2.1 | ND(1.0) | ND(1.0) | ND(1.0) | 2.1 |
| 16DP160-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP195-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 16DP198-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 10734-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 10757-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 10759-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 10760-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 10761-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 10762-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 10765-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 10813-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11102-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11103-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11104-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11106-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11108-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11111-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11114-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11116-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11118-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11120-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |

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

**BUILDING 16 GE MICRO FILM SAMPLING**
**EAST STREET AREA 2 - SOUTH**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in µg/100cm$^2$)**

| Sample ID | Date Collected | Aroclor-1016 | Aroclor-1221 | Aroclor-1232 | Aroclor-1242 | Aroclor-1248 | Aroclor-1254 | Aroclor-1260 | Total PCBs |
|---|---|---|---|---|---|---|---|---|---|
| 11122-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11123-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11124-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11125-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11128-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11231-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11252-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| 11282-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| PWR-D546449-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| PWR-D572164-W1 | 4/5/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| PWR-D575009-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| TCI-C155607-W1 | 4/3/06 | 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. 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.

Data Qualifiers:

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

**TABLE 2-4**
**DATA RECEIVED DURING APRIL 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-13 / 3/21/06 |
|---|---|---|
| **Volatile Organics** | | |
| 1,1,1-Trichloroethane | | 0.0010 |
| 1,1-Dichloroethane | | 0.0016 |
| Benzene | | ND(0.00021) |
| Chlorobenzene | | ND(0.00022) |
| Chloroethane | | 0.0010 |
| Chloroform | | 0.00036 |
| Ethylbenzene | | ND(0.00035) |
| Methylene Chloride | | 0.00035 B |
| Toluene | | ND(0.00028) |
| Trichloroethene | | ND(0.00040) |
| Vinyl Chloride | | 0.00049 |

Note:

1. These results have been revised by the laboratory and supersede those results reported in Table 2-9 of the March 2006 CD Monthly Report.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

Data Qualifiers:

Organics (volatiles)

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

# ITEM 3
# PLANT AREA
# EAST STREET AREA 2-NORTH
# (GECD140)
# APRIL 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 particulates and PCBs in connection with above-mentioned demolition activities, as identified in Table 3-1.

- Continued asbestos removal activities at Buildings 7, 17, 17C, and 19.

- Continued equipment/liquids removal activities at Buildings 7, 17, 17C, and 19.

- Issued Request for Proposal for the upcoming building demolition and site restoration program to be conducted at Buildings 7, 17, 17C, and 19 (April 18, 2006).

- Conducted wipe sampling of heavy equipment used for demolition of Buildings 1, 2, and 3, as identified in Table 3-1.

- Collected five additional samples for dioxin/furan analyses to supplement data presented in the Conceptual Removal Design/Removal Action (RD/RA) Work Plan, as identified in Table 3-1.*

- Collected and tankered approximately 107,500 gallons of groundwater from Building 9 to Building 64G.

- Verbally notified EPA and MDEP of an air monitoring concentration (0.0612 $\mu g/m^3$) exceeding the notification level (0.050 $\mu g/m^3$) (April 21, 2006). This exceedance was suspected to be an anomaly and was confirmed as such in two subsequent sampling events (April 24 and 25, 2006).

**b. Sampling/Test Results Received**

See attached tables.

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

Submitted Addendum to the Conceptual RD/RA Work Plan (April 14, 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).

**ITEM 3**
**(cont'd)**
**PLANT AREA**
**EAST STREET AREA 2-NORTH**
**(GECD140)**
**APRIL 2006**

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

- Continue the asbestos removal program at Buildings 7, 17, 17C, and 19.
- Submit modified air monitoring station locations for the upcoming building demolition and site restoration program to be conducted at Buildings 7, 17, 17C, and 19.
- 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.

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

No issues

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

None

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

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

| Project Name | Field Sample ID | Sample Date | Depth (feet) | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|---|
| Conceptual RD/RA Work Plan Addendum | DUP-RAA5-BLD15-2 (RAA5-D8) | 4/6/06 | 0-1 | Soil | SGS | PCDD/PCDF | 4/10/06 |
| Conceptual RD/RA Work Plan Addendum | RAA5-C4 | 2/23/06 | 0-1 | Soil | SGS | PCDD/PCDF | 4/10/06 |
| Conceptual RD/RA Work Plan Addendum | RAA5-C4 | 2/23/06 | 1-6 | Soil | SGS | PCDD/PCDF | 4/10/06 |
| Conceptual RD/RA Work Plan Addendum | RAA5-D6 | 4/6/06 | 0-1 | Soil | SGS | PCDD/PCDF | 4/10/06 |
| Conceptual RD/RA Work Plan Addendum | RAA5-D6 | 4/6/06 | 6-15 | Soil | SGS | PCDD/PCDF | 4/10/06 |
| Conceptual RD/RA Work Plan Addendum | RAA5-D8 | 4/6/06 | 0-1 | Soil | SGS | PCDD/PCDF | 4/10/06 |
| Conceptual RD/RA Work Plan Addendum | RAA5-D8 | 4/6/06 | 1-6 | Soil | SGS | PCDD/PCDF | 4/10/06 |
| SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe Sampling | SABRE-BOBCAT-W1 | 3/31/06 | NA | Wipe | SGS | PCB | 4/4/06 |
| SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe Sampling | SABRE-BOBCAT-W2 | 3/31/06 | NA | Wipe | SGS | PCB | 4/4/06 |
| SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe Sampling | SABRE-BOBCAT-W3 | 3/31/06 | NA | Wipe | SGS | PCB | 4/4/06 |
| SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe Sampling | SABRE-KAMATSU-W1 | 3/31/06 | NA | Wipe | SGS | PCB | 4/4/06 |
| SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe Sampling | SABRE-KAMATSU-W2 | 3/31/06 | NA | Wipe | SGS | PCB | 4/4/06 |
| SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe Sampling | SABRE-KAMATSU-W3 | 3/31/06 | NA | Wipe | SGS | PCB | 4/4/06 |
| SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe Sampling | SABRE-LOADER-W1 | 3/31/06 | NA | Wipe | SGS | PCB | 4/4/06 |
| SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe Sampling | SABRE-LOADER-W2 | 3/31/06 | NA | Wipe | SGS | PCB | 4/4/06 |
| SABRE Demolition Buildings 1, 2, & 3 Equipment Wipe Sampling | SABRE-LOADER-W3 | 3/31/06 | NA | Wipe | SGS | PCB | 4/4/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/3/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M4 - South of Bldg. 15 | 4/3/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M6 - Southwest of Bldg. 12 | 4/3/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/3/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/4/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M4 - South of Bldg. 15 | 4/4/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M6 - Southwest of Bldg. 12 | 4/4/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/4/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/5/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M4 - South of Bldg. 15 | 4/5/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M6 - Southwest of Bldg. 12 | 4/5/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/5/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/6/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M4 - South of Bldg. 15 | 4/6/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M6 - Southwest of Bldg. 12 | 4/6/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/6/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/10/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | M4 - South of Bldg. 15 | 4/10/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | M6 - Southwest of Bldg. 12 | 4/10/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/10/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/11/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | M4 - South of Bldg. 15 | 4/11/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | M6 - Southwest of Bldg. 12 | 4/11/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/11/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/12/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | M4 - South of Bldg. 15 | 4/12/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |

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

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

| Project Name | Field Sample ID | Sample Date | Depth (feet) | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|---|
| Ambient Air Particulate Matter Sampling | M6 - Southwest of Bldg. 12 | 4/12/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/12/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/13/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | M4 - South of Bldg. 15 | 4/13/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | M6 - Southwest of Bldg. 12 | 4/13/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/13/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/18/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M4 - South of Bldg. 15 | 4/18/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M6 - Southwest of Bldg. 12 | 4/18/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/18/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/19/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M4 - South of Bldg. 15 | 4/19/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M6 - Southwest of Bldg. 12 | 4/19/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/19/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/20/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M4 - South of Bldg. 15 | 4/20/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M6 - Southwest of Bldg. 12 | 4/20/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/20/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/21/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M4 - South of Bldg. 15 | 4/21/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M6 - Southwest of Bldg. 12 | 4/21/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/21/06 | NA | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/24/06 | NA | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | M4 - South of Bldg. 15 | 4/24/06 | NA | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | M6 - Southwest of Bldg. 12 | 4/24/06 | NA | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/24/06 | NA | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/25/06 | NA | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | M4 - South of Bldg. 15 | 4/25/06 | NA | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | M6 - Southwest of Bldg. 12 | 4/25/06 | NA | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/25/06 | NA | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/26/06 | NA | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | M4 - South of Bldg. 15 | 4/26/06 | NA | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | M6 - Southwest of Bldg. 12 | 4/26/06 | NA | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/26/06 | NA | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | M2 - South of Bldg. 5 | 4/27/06 | NA | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | M4 - South of Bldg. 15 | 4/27/06 | NA | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | M6 - Southwest of Bldg. 12 | 4/27/06 | NA | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/27/06 | NA | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| PCB Ambient Air Sampling | Field Blank | 4/13 - 4/14/06 | NA | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | M2 - South of Bldg. 5 | 4/13 - 4/14/06 | NA | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | M2-CO South of Bldg. 5 | 4/13 - 4/14/06 | NA | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | M4 - South of Bldg. 15 | 4/13 - 4/14/06 | NA | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | M6 - Southwest of Bldg. 12 | 4/13 - 4/14/06 | NA | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | BK3-Background - East of Building 9B | 4/13 - 4/14/06 | NA | Air | Berkshire Environmental | PCB | 5/5/2006 |

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

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

| Project Name | Field Sample ID | Sample Date | Depth (feet) | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|---|
| PCB Ambient Air Sampling | Field Blank | 4/24 - 4/25/06 | NA | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | M2 - South of Bldg. 5 | 4/24 - 4/25/06 | NA | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | M2-CO South of Bldg. 5 | 4/24 - 4/25/06 | NA | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | M4 - South of Bldg. 15 | 4/24 - 4/25/06 | NA | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | M6 - Southwest of Bldg. 12 | 4/24 - 4/25/06 | NA | Air | Berkshire Environmental | PCB | 5/5/2006 |
| PCB Ambient Air Sampling | BK3-Background - East of Building 9B | 4/24 - 4/25/06 | NA | Air | Berkshire Environmental | PCB | 5/5/2006 |

Note:
1. Field duplicate sample locations are presented in parenthesis.

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

**SABRE DEMOLITION BUILDINGS 1, 2, & 3 EQUIPMENT WIPE SAMPLING**
**EAST STREET AREA 2 - NORTH**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in µg/100cm$^2$)**

| Sample ID | Date Collected | Aroclor-1016 | Aroclor-1221 | Aroclor-1232 | Aroclor-1242 | Aroclor-1248 | Aroclor-1254 | Aroclor-1260 | Total PCBs |
|---|---|---|---|---|---|---|---|---|---|
| SABRE-BOBCAT-W1 | 3/31/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| SABRE-BOBCAT-W2 | 3/31/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| SABRE-BOBCAT-W3 | 3/31/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | 1.4 | 1.4 |
| SABRE-KAMATSU-W1 | 3/31/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| SABRE-KAMATSU-W2 | 3/31/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| SABRE-KAMATSU-W3 | 3/31/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| SABRE-LOADER-W1 | 3/31/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| SABRE-LOADER-W2 | 3/31/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| SABRE-LOADER-W3 | 3/31/06 | 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 3-3**
**DATA RECEIVED DURING APRIL 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-C4 0-1 2/23/06 | RAA5-C4 1-6 2/23/06 | RAA5-D6 0-1 4/6/06 | RAA5-D6 6-15 4/6/06 |
|---|---|---|---|---|---|
| **Furans** | | | | | |
| 2,3,7,8-TCDF | | 0.000016 Y | 0.0000015 J | 0.0000026 Y | ND(0.00000087) |
| TCDFs (total) | | 0.00012 Q | 0.0000097 Q | 0.0000025 | ND(0.00000087) |
| 1,2,3,7,8-PeCDF | | 0.0000070 J | 0.0000012 J | 0.0000011 J | ND(0.0000011) |
| 2,3,4,7,8-PeCDF | | 0.000026 | 0.0000040 J | 0.0000046 J | ND(0.0000011) |
| PeCDFs (total) | | 0.00028 Q | 0.000035 Q | 0.000018 | 0.0000011 J |
| 1,2,3,4,7,8-HxCDF | | 0.000011 | 0.0000021 J | ND(0.0000023) X | ND(0.0000011) |
| 1,2,3,6,7,8-HxCDF | | 0.0000094 J | ND(0.0000018) X | ND(0.0000011) | ND(0.0000011) |
| 1,2,3,7,8,9-HxCDF | | ND(0.0000040) | ND(0.0000010) | ND(0.0000015) | ND(0.0000011) |
| 2,3,4,6,7,8-HxCDF | | 0.000034 | 0.0000043 J | 0.0000017 J | ND(0.0000011) |
| HxCDFs (total) | | 0.00043 | 0.000059 | 0.000013 | 0.0000058 J |
| 1,2,3,4,6,7,8-HpCDF | | 0.000036 | 0.0000061 J | 0.0000048 J | 0.0000023 J |
| 1,2,3,4,7,8,9-HpCDF | | 0.0000042 J | ND(0.0000015) | ND(0.0000014) | ND(0.0000011) |
| HpCDFs (total) | | 0.00010 | 0.000015 | 0.000012 | 0.0000073 J |
| OCDF | | 0.000018 J | 0.0000047 J | 0.0000046 J | ND(0.0000035) |
| **Dioxins** | | | | | |
| 2,3,7,8-TCDD | | ND(0.0000012) | ND(0.0000016) | ND(0.0000013) | ND(0.0000012) |
| TCDDs (total) | | ND(0.0000012) | ND(0.0000016) | ND(0.0000013) | ND(0.0000012) |
| 1,2,3,7,8-PeCDD | | ND(0.0000011) | ND(0.0000010) | ND(0.0000011) | ND(0.0000011) |
| PeCDDs (total) | | ND(0.0000011) Q | ND(0.0000010) | ND(0.0000011) | ND(0.0000011) |
| 1,2,3,4,7,8-HxCDD | | ND(0.0000014) | ND(0.0000017) | ND(0.0000016) | ND(0.0000015) |
| 1,2,3,6,7,8-HxCDD | | ND(0.0000013) | ND(0.0000016) | ND(0.0000015) | ND(0.0000014) |
| 1,2,3,7,8,9-HxCDD | | ND(0.0000014) | ND(0.0000018) | ND(0.0000016) | ND(0.0000015) |
| HxCDDs (total) | | 0.0000076 J | ND(0.0000017) | ND(0.0000016) | ND(0.0000014) |
| 1,2,3,4,6,7,8-HpCDD | | 0.000015 | 0.0000033 J | 0.0000066 J | 0.0000046 J |
| HpCDDs (total) | | 0.000030 | 0.0000033 J | 0.000013 | 0.0000082 J |
| OCDD | | 0.00017 | 0.000026 | 0.00012 | 0.000094 |
| Total TEQs (WHO TEFs) | | 0.000023 | 0.0000047 | 0.0000045 | 0.0000020 |

**TABLE 3-3**
**DATA RECEIVED DURING APRIL 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-D8 0-1 4/6/06 | RAA5-D8 1-6 4/6/06 |
|---|---|---|---|
| **Furans** | | | |
| 2,3,7,8-TCDF | | ND(0.0000010) X [0.0000017 J] | ND(0.0000021) X |
| TCDFs (total) | | ND(0.00000083) [0.0000030] | 0.0000016 J |
| 1,2,3,7,8-PeCDF | | ND(0.0000011) [ND(0.0000011)] | ND(0.0000011) |
| 2,3,4,7,8-PeCDF | | 0.0000012 J [0.0000021 J] | 0.0000026 J |
| PeCDFs (total) | | 0.0000042 J [0.0000088 J] | 0.0000069 J |
| 1,2,3,4,7,8-HxCDF | | ND(0.0000011) [ND(0.0000014)] | ND(0.0000014) X |
| 1,2,3,6,7,8-HxCDF | | ND(0.0000011) [ND(0.0000012)] | ND(0.0000011) |
| 1,2,3,7,8,9-HxCDF | | ND(0.0000011) [ND(0.0000017)] | ND(0.0000011) |
| 2,3,4,6,7,8-HxCDF | | ND(0.0000011) [ND(0.0000014)] | ND(0.0000011) |
| HxCDFs (total) | | 0.0000018 J [ND(0.0000014)] | 0.0000099 J |
| 1,2,3,4,6,7,8-HpCDF | | 0.0000014 J [0.0000026 J] | 0.0000034 J |
| 1,2,3,4,7,8,9-HpCDF | | ND(0.0000013) [ND(0.0000012)] | ND(0.0000014) |
| HpCDFs (total) | | 0.0000036 J [0.0000077 J] | 0.000012 |
| OCDF | | ND(0.0000033) [ND(0.0000025) X] | 0.0000040 J |
| **Dioxins** | | | |
| 2,3,7,8-TCDD | | ND(0.0000012) [ND(0.0000011)] | ND(0.0000018) |
| TCDDs (total) | | ND(0.0000012) [ND(0.0000011)] | ND(0.0000018) |
| 1,2,3,7,8-PeCDD | | ND(0.0000011) [ND(0.0000011)] | ND(0.0000011) |
| PeCDDs (total) | | ND(0.0000011) [ND(0.0000011)] | ND(0.0000011) |
| 1,2,3,4,7,8-HxCDD | | ND(0.0000016) [ND(0.0000023)] | ND(0.0000015) |
| 1,2,3,6,7,8-HxCDD | | ND(0.0000015) [ND(0.0000021)] | ND(0.0000014) |
| 1,2,3,7,8,9-HxCDD | | ND(0.0000016) [ND(0.0000023)] | ND(0.0000015) |
| HxCDDs (total) | | ND(0.0000016) [ND(0.0000023)] | ND(0.0000015) |
| 1,2,3,4,6,7,8-HpCDD | | 0.0000033 J [0.0000045 J] | 0.0000082 J |
| HpCDDs (total) | | 0.0000057 J [0.0000086 J] | 0.000014 |
| OCDD | | 0.000046 [0.000082] | 0.00014 |
| Total TEQs (WHO TEFs) | | 0.0000023 [0.0000030] | 0.0000035 |

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of dioxin/furans.
2. Field duplicate sample results are presented in brackets.
3. Only those constituents detected in one or more samples are summarized.

Data Qualifiers:

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

**TABLE 3-4**
**AMBIENT AIR PCB DATA RECEIVED DURING APRIL 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) |
|---|---|---|---|---|---|---|---|
| 4/13 - 4/14/06 | 4/20/06 | ND (<0.10) | 0.0108 | 0.0111 | 0.0050 | 0.0612 | 0.0007 |
| 4/24 - 4/25/06 | 4/27/06 | ND (<0.10) | 0.0067 | 0.0088 | 0.0059 | 0.0087 | 0.0020 |
| Notification Level | | | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |

Note:
ND - Non-Detect

**TABLE 3-5**
**AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING APRIL 2006[1]**

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

| Sampling Date[2] | Sampler Location | Average Site Concentration ($mg/m^3$) | Background Site Concentration ($mg/m^3$) | Average Period (Hours:Min) | Predominant Wind Direction |
|---|---|---|---|---|---|
| 4/3/06 | M2 - South of Bldg. 5 | 0.011* | 0.011* | 10:45 | Variable |
| | M4 - South of Bldg. 15 | 0.013* | | 10:45 | |
| | M6 - Southwest of Bldg. 12 | 0.012* | | 10:45 | |
| 4/4/06 | M2 - South of Bldg. 5 | 0.006* | 0.006* | 11:00 | WNW |
| | M4 - South of Bldg. 15 | 0.016* | | 10:45 | |
| | M6 - Southwest of Bldg. 12 | 0.034* | | 11:00 | |
| 4/5/06 | M2 - South of Bldg. 5 | 0.008* | 0.006* | 11:00 | NNW |
| | M4 - South of Bldg. 15 | 0.015* | | 10:45 | |
| | M6 - Southwest of Bldg. 12 | 0.007* | | 11:00 | |
| 4/6/06 | M2 - South of Bldg. 5 | 0.014* | 0.009* | 11:00 | WNW |
| | M4 - South of Bldg. 15 | 0.017* | | 10:45 | |
| | M6 - Southwest of Bldg. 12 | 0.013* | | 11:00 | |
| 4/10/06 | M2 - South of Bldg. 5 | 0.015* | 0.010* | 10:30 | WNW |
| | M4 - South of Bldg. 15 | 0.014* | | 10:30 | |
| | M6 - Southwest of Bldg. 12 | 0.015* | | 10:30 | |
| 4/11/06 | M2 - South of Bldg. 5 | 0.018* | 0.014* | 11:00 | Calm |
| | M4 - South of Bldg. 15 | 0.017* | | 10:45 | |
| | M6 - Southwest of Bldg. 12 | 0.018* | | 11:00 | |
| 4/12/06 | M2 - South of Bldg. 5 | 0.023* | 0.021* | 11:15 | SSW |
| | M4 - South of Bldg. 15 | 0.029* | | 11:00 | |
| | M6 - Southwest of Bldg. 12 | 0.027* | | 11:15 | |
| 4/13/06 | M2 - South of Bldg. 5 | 0.013* | 0.013* | 11:15 | WNW |
| | M4 - South of Bldg. 15 | 0.025* | | 11:00 | |
| | M6 - Southwest of Bldg. 12 | 0.030* | | 11:15 | |
| 4/18/06 | M2 - South of Bldg. 5 | 0.007* | 0.003* | 11:15 | NNW |
| | M4 - South of Bldg. 15 | 0.005* | | 11:00 | |
| | M6 - Southwest of Bldg. 12 | 0.018* | | 11:00 | |
| 4/19/06 | M2 - South of Bldg. 5 | 0.009* | 0.003* | 11:15 | NNW |
| | M4 - South of Bldg. 15 | 0.007* | | 11:00 | |
| | M6 - Southwest of Bldg. 12 | 0.024* | | 11:00 | |
| 4/20/06 | M2 - South of Bldg. 5 | 0.009* | 0.005* | 11:00 | WNW, NNW |
| | M4 - South of Bldg. 15 | 0.006* | | 10:45 | |
| | M6 - Southwest of Bldg. 12 | 0.015* | | 10:45 | |
| 4/21/06 | M2 - South of Bldg. 5 | 0.009* | 0.007* | 11:30 | Variable |
| | M4 - South of Bldg. 15 | 0.006* | | 11:30 | |
| | M6 - Southwest of Bldg. 12 | 0.018* | | 11:30 | |
| 4/24/06 | M2 - South of Bldg. 5 | 0.008* | 0.007* | 12:45 | Calm |
| | M4 - South of Bldg. 15 | 0.007* | | 12:45 | |
| | M6 - Southwest of Bldg. 12 | 0.013** | | 12:45 | |
| 4/25/06 | M2 - South of Bldg. 5 | 0.028* | 0.018* | 12:15 | WNW |
| | M4 - South of Bldg. 15 | 0.020* | | 12:15 | |
| | M6 - Southwest of Bldg. 12 | 0.060** | | 11:15 | |

**TABLE 3-5**
**AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING APRIL 2006[1]**

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

| Sampling Date[2] | Sampler Location | Average Site Concentration ($mg/m^3$) | Background Site Concentration ($mg/m^3$) | Average Period (Hours:Min) | Predominant Wind Direction |
|---|---|---|---|---|---|
| 4/26/06 | M2 - South of Bldg. 5 | 0.007* | 0.005* | 12:15 | SSW |
| | M4 - South of Bldg. 15 | 0.005* | | 12:15 | |
| | M6 - Southwest of Bldg. 12 | 0.017** | | 11:30 | |
| 4/27/06 | M2 - South of Bldg. 5 | 0.020* | 0.013* | 11:45 | WNW |
| | M4 - South of Bldg. 15 | 0.013* | | 12:15 | |
| | M6 - Southwest of Bldg. 12 | 0.036** | | 11:00 | |
| Notification Level | | 0.120 | | | |

Notes:

* Measured with a DR-2000 or DR-4000.

** Measured with and EBAM.

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.

[1] Monitoring was performed only on days when site activities occurred.

[2] The particulate monitors obtain real-time data. The sampling data were obtained by BEC on the sampling date.

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

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

**a. Activities Undertaken/Completed**

- Conducted air monitoring for particulates and PCBs, as identified in Table 5-1.

- Initiated and completed consolidation of materials from EPA's 1½-Mile Reach Removal Action into the OPCAs (April 24-26, 2006).

- Continued transfer of leachate from Building 71 On-Plant Consolidation Area (OPCA) to Building 64G for treatment. The total amount transferred in April 2006 was 104,000 gallons (see Table 5-4).

**b. Sampling/Test Results Received**

See attached tables.

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

Submitted final 2006 Addendum to OPCA Work Plan summarizing enhancements/modifications to OPCA operations, including proposed modifications of Hill 78 OPCA boundaries (April 13, 2006).

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

- Submit letter summarizing 2006 consolidation activities and final cover design/construction for portions of the Building 71 and Hill 78 OPCAs.

- Initiate consolidation of certain building demolition materials and materials from Phase 4 floodplain properties into the OPCAs.

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

No issues

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

Received EPA approval of the 2006 Addendum to the OPCA Work Plan (April 17, 2006).

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

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Ambient Air Particulate Matter Sampling | North of OPCAs | 4/17/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Pittsfield Generating Co. | 4/17/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Southeast of OPCAs | 4/17/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Northwest of OPCAs | 4/17/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | West of OPCAs | 4/17/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/17/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | North of OPCAs | 4/18/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Pittsfield Generating Co. | 4/18/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Southeast of OPCAs | 4/18/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Northwest of OPCAs | 4/18/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | West of OPCAs | 4/18/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/18/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | North of OPCAs | 4/19/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Pittsfield Generating Co. | 4/19/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Southeast of OPCAs | 4/19/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Northwest of OPCAs | 4/19/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | West of OPCAs | 4/19/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/19/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | North of OPCAs | 4/20/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Pittsfield Generating Co. | 4/20/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Southeast of OPCAs | 4/20/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Northwest of OPCAs | 4/20/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | West of OPCAs | 4/20/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/20/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | North of OPCAs | 4/21/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Pittsfield Generating Co. | 4/21/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Southeast of OPCAs | 4/21/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Northwest of OPCAs | 4/21/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | West of OPCAs | 4/21/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/21/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | North of OPCAs | 4/24/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Pittsfield Generating Co. | 4/24/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Southeast of OPCAs | 4/24/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Northwest of OPCAs | 4/24/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | West of OPCAs | 4/24/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/24/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | North of OPCAs | 4/25/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Pittsfield Generating Co. | 4/25/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Southeast of OPCAs | 4/25/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |

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

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Ambient Air Particulate Matter Sampling | Northwest of OPCAs | 4/25/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | West of OPCAs | 4/25/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/25/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | North of OPCAs | 4/26/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Pittsfield Generating Co. | 4/26/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Southeast of OPCAs | 4/26/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Northwest of OPCAs | 4/26/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | West of OPCAs | 4/26/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/26/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | North of OPCAs | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Pittsfield Generating Co. | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Southeast of OPCAs | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Northwest of OPCAs | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | West of OPCAs | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | North of OPCAs | 4/28/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Pittsfield Generating Co. | 4/28/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Southeast of OPCAs | 4/28/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Northwest of OPCAs | 4/28/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | West of OPCAs | 4/28/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/28/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| PCB Ambient Air Sampling | Field Blank | 4/6 - 4/7/06 | Air | Berkshire Environmental | PCB | 4/15/06 |
| PCB Ambient Air Sampling | Northwest of OPCAs | 4/6 - 4/7/06 | Air | Berkshire Environmental | PCB | 4/15/06 |
| PCB Ambient Air Sampling | West of OPCAs | 4/6 - 4/7/06 | Air | Berkshire Environmental | PCB | 4/15/06 |
| PCB Ambient Air Sampling | West of OPCAs colocated | 4/6 - 4/7/06 | Air | Berkshire Environmental | PCB | 4/15/06 |
| PCB Ambient Air Sampling | North of OPCAs | 4/6 - 4/7/06 | Air | Berkshire Environmental | PCB | 4/15/06 |
| PCB Ambient Air Sampling | Southeast of OPCAs | 4/6 - 4/7/06 | Air | Berkshire Environmental | PCB | 4/15/06 |
| PCB Ambient Air Sampling | Pittsfield Generating (PGE) | 4/6 - 4/7/06 | Air | Berkshire Environmental | PCB | 4/15/06 |
| PCB Ambient Air Sampling | Background East of Building 9B | 4/6 - 4/7/06 | Air | Berkshire Environmental | PCB | 4/15/06 |
| PCB Ambient Air Sampling | Field Blank | 4/18 - 4/19/06 | Air | Berkshire Environmental | PCB | 4/24/06 |
| PCB Ambient Air Sampling | Northwest of OPCAs | 4/18 - 4/19/06 | Air | Berkshire Environmental | PCB | 4/24/06 |
| PCB Ambient Air Sampling | West of OPCAs | 4/18 - 4/19/06 | Air | Berkshire Environmental | PCB | 4/24/06 |
| PCB Ambient Air Sampling | West of OPCAs colocated | 4/18 - 4/19/06 | Air | Berkshire Environmental | PCB | 4/24/06 |
| PCB Ambient Air Sampling | North of OPCAs | 4/18 - 4/19/06 | Air | Berkshire Environmental | PCB | 4/24/06 |
| PCB Ambient Air Sampling | Southeast of OPCAs | 4/18 - 4/19/06 | Air | Berkshire Environmental | PCB | 4/24/06 |
| PCB Ambient Air Sampling | Pittsfield Generating (PGE) | 4/18 - 4/19/06 | Air | Berkshire Environmental | PCB | 4/24/06 |
| PCB Ambient Air Sampling | Background East of Building 9B | 4/18 - 4/19/06 | Air | Berkshire Environmental | PCB | 4/24/06 |
| PCB Ambient Air Sampling | Field Blank | 4/25 - 4/26/06 | Air | Berkshire Environmental | PCB | 5/3/06 |
| PCB Ambient Air Sampling | Northwest of OPCAs | 4/25 - 4/26/06 | Air | Berkshire Environmental | PCB | 5/3/06 |

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

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| PCB Ambient Air Sampling | West of OPCAs | 4/25 - 4/26/06 | Air | Berkshire Environmental | PCB | 5/3/06 |
| PCB Ambient Air Sampling | West of OPCAs colocated | 4/25 - 4/26/06 | Air | Berkshire Environmental | PCB | 5/3/06 |
| PCB Ambient Air Sampling | North of OPCAs | 4/25 - 4/26/06 | Air | Berkshire Environmental | PCB | 5/3/06 |
| PCB Ambient Air Sampling | Southeast of OPCAs | 4/25 - 4/26/06 | Air | Berkshire Environmental | PCB | 5/3/06 |
| PCB Ambient Air Sampling | Pittsfield Generating (PGE) | 4/25 - 4/26/06 | Air | Berkshire Environmental | PCB | 5/3/06 |
| PCB Ambient Air Sampling | Background East of Building 9B | 4/25 - 4/26/06 | Air | Berkshire Environmental | PCB | 5/3/06 |
| PCB Ambient Air Sampling | Field Blank | 4/27 - 4/28/06 | Air | Berkshire Environmental | PCB | 5/4/06 |
| PCB Ambient Air Sampling | Northwest of OPCAs | 4/27 - 4/28/06 | Air | Berkshire Environmental | PCB | 5/4/06 |
| PCB Ambient Air Sampling | West of OPCAs | 4/27 - 4/28/06 | Air | Berkshire Environmental | PCB | 5/4/06 |
| PCB Ambient Air Sampling | West of OPCAs colocated | 4/27 - 4/28/06 | Air | Berkshire Environmental | PCB | 5/4/06 |
| PCB Ambient Air Sampling | North of OPCAs | 4/27 - 4/28/06 | Air | Berkshire Environmental | PCB | 5/4/06 |
| PCB Ambient Air Sampling | Southeast of OPCAs | 4/27 - 4/28/06 | Air | Berkshire Environmental | PCB | 5/4/06 |
| PCB Ambient Air Sampling | Pittsfield Generating (PGE) | 4/27 - 4/28/06 | Air | Berkshire Environmental | PCB | 5/4/06 |
| PCB Ambient Air Sampling | Background East of Building 9B | 4/27 - 4/28/06 | Air | Berkshire Environmental | PCB | 5/4/06 |

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

**AMBIENT AIR PCB 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$^3$) | West of OPCAs (µg/m$^3$) | West of OPCAs colocated (µg/m$^3$) | North of OPCAs (µg/m$^3$) | Southeast of OPCAs (µg/m$^3$) | Pittsfield Generating (PGE) (µg/m$^3$) | Background East of Bldg. 9B (µg/m$^3$) |
|---|---|---|---|---|---|---|---|---|---|
| 4/06 - 4/07/06 | 4/13/06 | ND (<0.10) | 0.0006 | 0.0004 | 0.0005 | 0.0005 | 0.0009 | 0.0014 | 0.0005 |
| 4/18 - 4/19/06 | 4/26/06 | ND (<0.10) | 0.0010 | 0.0011 | 0.0009 | 0.0040 | 0.0019 | 0.0148 | 0.0031 |
| 4/25 - 4/26/06 | 5/2/06 | ND (<0.10) | 0.0009 | 0.0010 | 0.0009 | 0.0007 | 0.0013 | 0.0019 | 0.0007 |
| 4/27 - 4/28/06 | 5/4/06 | ND (<0.10) | 0.0006 | 0.0006 | 0.0007 | 0.0004 | 0.0009 | 0.0020 | 0.0005 |
| Action Level | | | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |

Note:
ND - Non-Detect

**TABLE 5-3**
**AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING APRIL 2006[1]**

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

| Sampling Date[2] | Sampler Location | Average Site Concentration ($mg/m^3$) | Background Site Concentration ($mg/m^3$) | Average Period (Hours:Min) | Predominant Wind Direction |
|---|---|---|---|---|---|
| 4/17/06 | North of OPCAs | 0.003* | 0.004* | 9:45 | NNW |
| | Pittsfield Generating Co. | 0.005* | | 10:15 | |
| | Southeast of OPCAs | 0.004* | | 10:00 | |
| | Northwest of OPCAs | 0.002* | | 10:30 | |
| | West of OPCAs | 0.003* | | 10:30 | |
| 4/18/06 | North of OPCAs | 0.003* | 0.003* | 9:15[3] | NNW |
| | Pittsfield Generating Co. | 0.003* | | 10:45 | |
| | Southeast of OPCAs | 0.020* | | 10:45 | |
| | Northwest of OPCAs | 0.001* | | 10:30 | |
| | West of OPCAs | 0.003* | | 10:45 | |
| 4/19/06 | North of OPCAs | 0.001* | 0.003* | 6:15[3] | NNW |
| | Pittsfield Generating Co. | 0.004* | | 10:45 | |
| | Southeast of OPCAs | 0.005* | | 10:45 | |
| | Northwest of OPCAs | 0.001* | | 11:00 | |
| | West of OPCAs | 0.004* | | 11:00 | |
| 4/20/06 | North of OPCAs | 0.004* | 0.005* | 11:30 | WNW, NNW |
| | Pittsfield Generating Co. | 0.008* | | 12:00 | |
| | Southeast of OPCAs | 0.006* | | 11:30 | |
| | Northwest of OPCAs | 0.003* | | 11:30 | |
| | West of OPCAs | 0.006* | | 11:30 | |
| 4/21/06 | North of OPCAs | 0.004* | 0.007* | 10:30 | Variable |
| | Pittsfield Generating Co. | 0.010* | | 10:45 | |
| | Southeast of OPCAs | 0.008* | | 10:30 | |
| | Northwest of OPCAs | 0.004* | | 10:30 | |
| | West of OPCAs | 0.006* | | 10:30 | |
| 4/24/06 | North of OPCAs | 0.006* | 0.007* | 10:45 | Calm |
| | Pittsfield Generating Co. | 0.008* | | 10:45 | |
| | Southeast of OPCAs | 0.011* | | 10:45 | |
| | Northwest of OPCAs | 0.005* | | 10:45 | |
| | West of OPCAs | 0.007* | | 10:45 | |
| 4/25/06 | North of OPCAs | 0.015* | 0.018* | 10:45 | WNW |
| | Pittsfield Generating Co. | 0.025* | | 10:30 | |
| | Southeast of OPCAs | 0.022* | | 10:30 | |
| | Northwest of OPCAs | 0.013* | | 10:45 | |
| | West of OPCAs | 0.019* | | 10:45 | |
| 4/26/06 | North of OPCAs | 0.003* | 0.005* | 11:00 | SSW |
| | Pittsfield Generating Co. | 0.005* | | 10:45 | |
| | Southeast of OPCAs | 0.004* | | 10:45 | |
| | Northwest of OPCAs | 0.002* | | 11:00 | |
| | West of OPCAs | 0.004* | | 11:00 | |
| 4/27/06 | North of OPCAs | 0.009* | 0.013* | 10:30 | WNW |
| | Pittsfield Generating Co. | 0.014* | | 10:30 | |
| | Southeast of OPCAs | 0.014* | | 10:30 | |
| | Northwest of OPCAs | 0.007* | | 10:30 | |
| | West of OPCAs | 0.012* | | 10:45 | |

**TABLE 5-3**
**AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING APRIL 2006[1]**

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

| Sampling Date[2] | Sampler Location | Average Site Concentration ($mg/m^3$) | Background Site Concentration ($mg/m^3$) | Average Period (Hours:Min) | Predominant Wind Direction |
|---|---|---|---|---|---|
| 4/28/06 | North of OPCAs | 0.003* | 0.005* | 10:45 | NNW |
| | Pittsfield Generating Co. | 0.006* | | 10:30 | |
| | Southeast of OPCAs | 0.006* | | 10:45 | |
| | Northwest of OPCAs | 0.003* | | 10:45 | |
| | West of OPCAs | 0.005* | | 10:45 | |
| Notification Level | | 0.120 | | | |

Notes:

* Measured with DR-2000 or DR-4000.

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

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

[1] Monitoring was performed only on days when site activities occurred.

[2] The particulate monitors obtain real-time data. The sampling data were obtained by BEC on the sampling date.

[3] Sampling period was shortened due to instrument malfunction.

**TABLE 5-4**
**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**
**April 2006**

| Month / Year | Total Volume of Leachate Transferred (Gallons) |
|---|---|
| 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 |
| April 2006 | 104,000 |

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
# APRIL 2006

**a. Activities Undertaken/Completed**

Initiated preparation of proposal for supplemental pre-design investigations.*

**b. Sampling/Test Results Received**

None

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

None

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

- Submit supplemental pre-design investigation proposal (due by May 13, 2006).*
- 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**

Received EPA approval of the September 2005 Pre-Design Investigation Report (April 13, 2006).*

# ITEM 7
# PLANT AREA
# UNKAMET BROOK AREA
# (GECD170)
# APRIL 2006

**a. Activities Undertaken/Completed**

Initiated detailed survey (including metes and bounds and topographic survey) of the Unkamet Brook Area (being performed by Hill Engineers, Architects & Planners, Inc.).*

**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 6, 2005), initiate the additional soil sampling activities proposed therein and proposed in the EPA-approved November 2005 Addendum (approval received in March 2006).*

- Continue performing detailed survey of the Unkamet Brook Area.*

**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.*

# ITEM 8
# FORMER OXBOW AREAS A & C
# (GECD410)
# APRIL 2006

**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 result meeting MCP definition of potential "imminent hazard" (April 7, 2006).

- Submitted Second Addendum to Final RD/RA Work Plan to EPA (April 14, 2006).*

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

- Select a Remediation Contractor (by May 5, 2006).*

- Submit Supplemental Information Package to EPA (within 30 days after selection of Remediation Contractor).*

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

No issues

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

None

# ITEM 9
# LYMAN STREET AREA
# (GECD430)
# APRIL 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 Addendum to Final RD/RA Work Plan to EPA (April 4, 2006).

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

- Select Remediation Contractor for properties west of Lyman Street (by May 5, 2006).
- Submit Supplemental Information Package to EPA (within 30 days after selection of Remediation Contractor).

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

No issues

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

Received EPA approval of Addendum to Final RD/RA Work Plan (April 13, 2006).

# ITEM 10
# NEWELL STREET AREA I
# (GECD440)
# APRIL 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 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.

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

No issues

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

None

# ITEM 11
# NEWELL STREET AREA II
# (GECD450)
# APRIL 2006

**a. Activities Undertaken/Completed**

- 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 sampling of overpacked drums observed during removal actions, as identified in Table 11-1.
- Continued shipment of soil excavated from Parcel J9-23-8 to the selected disposal facility located in Port Arthur, Texas.
- Continued with previously planned soil remediation activities (i.e., soil replacement, installation of barriers).

**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 a proposal to modify the engineered barrier limits in portions of Parcels J9-23-8 and J9-23-12 adjacent to or near off-site Parcels J9-23-9 and J9-23-10.
- 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 remaining soil remediation activities – i.e., 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 APRIL 2006**

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Excavation Drum Sampling | D0552-SOLID | 4/6/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0556-SOLID | 4/6/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0557-SOLID | 4/6/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0558-SOLID | 4/6/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0559-SOLID | 4/5/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0762-SOLID | 4/5/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0764-SOLID | 4/5/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0765-SOLID | 4/5/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0767-SOLID | 4/5/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0768-SOLID | 4/5/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0781-SOLID | 4/6/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0782-SOLID | 4/6/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0783-SOLID | 4/6/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0785-SOLID | 4/6/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0788-SOLID | 4/6/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0789-SOLID | 4/6/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0790-SOLID | 4/6/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0791-SOLID | 4/5/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0792-SOLID | 4/5/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0793-SOLID | 4/5/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0794-SOLID | 4/5/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0795-SOLID | 4/5/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0796-SOLID | 4/5/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0797-SOLID | 4/6/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0798-SOLID | 4/5/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0799-SOLID | 4/6/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Excavation Drum Sampling | D0800-SOLID | 4/5/06 | Solid | SGS | PCB, VOC, SVOC, TCLP | |
| Gondola Wipe Sampling Program | MHFX-5616-W1 | 4/10/06 | Wipe | SGS | PCB | 4/12/06 |
| Gondola Wipe Sampling Program | MHFX-5616-W2 | 4/10/06 | Wipe | SGS | PCB | 4/12/06 |
| Gondola Wipe Sampling Program | MHFX-5616-W3 | 4/10/06 | Wipe | SGS | PCB | 4/12/06 |
| Gondola Wipe Sampling Program | MHFX-5616-W4 | 4/10/06 | Wipe | SGS | PCB | 4/12/06 |
| Gondola Wipe Sampling Program | MHFX-5616-W5 | 4/10/06 | Wipe | SGS | PCB | 4/12/06 |
| Gondola Wipe Sampling Program | MHFX-5663-W1 | 4/10/06 | Wipe | SGS | PCB | 4/12/06 |
| Gondola Wipe Sampling Program | MHFX-5663-W2 | 4/10/06 | Wipe | SGS | PCB | 4/12/06 |
| Gondola Wipe Sampling Program | MHFX-5663-W3 | 4/10/06 | Wipe | SGS | PCB | 4/12/06 |
| Gondola Wipe Sampling Program | MHFX-5663-W4 | 4/10/06 | Wipe | SGS | PCB | 4/12/06 |
| Gondola Wipe Sampling Program | MHFX-5663-W5 | 4/10/06 | Wipe | SGS | PCB | 4/12/06 |
| Gondola Wipe Sampling Program | MHFX-5669-W1 | 4/3/06 | Wipe | SGS | PCB | 4/5/06 |
| Gondola Wipe Sampling Program | MHFX-5669-W2 | 4/3/06 | Wipe | SGS | PCB | 4/5/06 |
| Gondola Wipe Sampling Program | MHFX-5669-W3 | 4/3/06 | Wipe | SGS | PCB | 4/5/06 |
| Gondola Wipe Sampling Program | MHFX-5669-W4 | 4/3/06 | Wipe | SGS | PCB | 4/5/06 |

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

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Gondola Wipe Sampling Program | MHFX-5669-W5 | 4/3/06 | Wipe | SGS | PCB | 4/5/06 |
| Gondola Wipe Sampling Program | MHFX-5670-W1 | 4/25/06 | Wipe | SGS | PCB | 4/28/06 |
| Gondola Wipe Sampling Program | MHFX-5670-W2 | 4/25/06 | Wipe | SGS | PCB | 4/28/06 |
| Gondola Wipe Sampling Program | MHFX-5670-W3 | 4/25/06 | Wipe | SGS | PCB | 4/28/06 |
| Gondola Wipe Sampling Program | MHFX-5670-W4 | 4/25/06 | Wipe | SGS | PCB | 4/28/06 |
| Gondola Wipe Sampling Program | MHFX-5670-W5 | 4/25/06 | Wipe | SGS | PCB | 4/28/06 |
| Gondola Wipe Sampling Program | MHFX-5715-W1 | 4/3/06 | Wipe | SGS | PCB | 4/5/06 |
| Gondola Wipe Sampling Program | MHFX-5715-W2 | 4/3/06 | Wipe | SGS | PCB | 4/5/06 |
| Gondola Wipe Sampling Program | MHFX-5715-W3 | 4/3/06 | Wipe | SGS | PCB | 4/5/06 |
| Gondola Wipe Sampling Program | MHFX-5715-W4 | 4/3/06 | Wipe | SGS | PCB | 4/5/06 |
| Gondola Wipe Sampling Program | MHFX-5715-W5 | 4/3/06 | Wipe | SGS | PCB | 4/5/06 |
| Gondola Wipe Sampling Program | MHFX-5764-W1 | 4/25/06 | Wipe | SGS | PCB | 4/28/06 |
| Gondola Wipe Sampling Program | MHFX-5764-W2 | 4/25/06 | Wipe | SGS | PCB | 4/28/06 |
| Gondola Wipe Sampling Program | MHFX-5764-W3 | 4/25/06 | Wipe | SGS | PCB | 4/28/06 |
| Gondola Wipe Sampling Program | MHFX-5764-W4 | 4/25/06 | Wipe | SGS | PCB | 4/28/06 |
| Gondola Wipe Sampling Program | MHFX-5764-W5 | 4/25/06 | Wipe | SGS | PCB | 4/28/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/3/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/3/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/3/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/3/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/3/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/4/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/4/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/4/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/4/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/4/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/5/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/5/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/5/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/5/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/5/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/6/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/6/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/6/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/6/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/6/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/7/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/7/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/7/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/7/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/7/06 | Air | Berkshire Environmental | Particulate Matter | 4/11/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/10/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |

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

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/10/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/10/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/10/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/10/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/11/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/11/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/11/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/11/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/11/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/12/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/12/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/12/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/12/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/12/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/13/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/13/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/13/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/13/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/13/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/14/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/14/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/14/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/14/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/14/06 | Air | Berkshire Environmental | Particulate Matter | 4/18/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/17/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/17/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/17/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/17/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/17/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/18/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/18/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/18/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/18/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/18/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/19/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/19/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/19/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/19/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/19/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/20/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/20/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/20/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/20/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |

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

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Ambient Air Particulate Matter Sampling | Background Location | 4/20/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/21/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/21/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/21/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/21/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/21/06 | Air | Berkshire Environmental | Particulate Matter | 4/24/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/24/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/24/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/24/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/24/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/24/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/25/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/25/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/25/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/25/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/25/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/26/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/26/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/26/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/26/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/26/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/27/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN1 - Northwest | 4/28/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN2 - Southwest | 4/28/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN3 - Southeast | 4/28/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | NN4 - Northeast | 4/28/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| Ambient Air Particulate Matter Sampling | Background Location | 4/28/06 | Air | Berkshire Environmental | Particulate Matter | 5/3/06 |
| PCB Ambient Air Sampling | Field Blank | 4/04 - 4/05/06 | Air | Berkshire Environmental | PCB | 4/7/06 |
| PCB Ambient Air Sampling | Northwest of NS Area II | 4/04 - 4/05/06 | Air | Berkshire Environmental | PCB | 4/7/06 |
| PCB Ambient Air Sampling | Southwest of NS Area II | 4/04 - 4/05/06 | Air | Berkshire Environmental | PCB | 4/7/06 |
| PCB Ambient Air Sampling | Southeast of NS Area II | 4/04 - 4/05/06 | Air | Berkshire Environmental | PCB | 4/7/06 |
| PCB Ambient Air Sampling | Northeast of NS Area II | 4/04 - 4/05/06 | Air | Berkshire Environmental | PCB | 4/7/06 |
| PCB Ambient Air Sampling | Northeast of NS Area II - colocated | 4/04 - 4/05/06 | Air | Berkshire Environmental | PCB | 4/7/06 |
| PCB Ambient Air Sampling | Background - East of Building 9B | 4/04 - 4/05/06 | Air | Berkshire Environmental | PCB | 4/7/06 |
| PCB Ambient Air Sampling | Field Blank | 4/11 - 4/12/06 | Air | Berkshire Environmental | PCB | 4/14/06 |
| PCB Ambient Air Sampling | Northwest of NS Area II | 4/11 - 4/12/06 | Air | Berkshire Environmental | PCB | 4/14/06 |
| PCB Ambient Air Sampling | Southwest of NS Area II | 4/11 - 4/12/06 | Air | Berkshire Environmental | PCB | 4/14/06 |
| PCB Ambient Air Sampling | Southeast of NS Area II | 4/11 - 4/12/06 | Air | Berkshire Environmental | PCB | 4/14/06 |
| PCB Ambient Air Sampling | Northeast of NS Area II | 4/11 - 4/12/06 | Air | Berkshire Environmental | PCB | 4/14/06 |

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

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| PCB Ambient Air Sampling | Northeast of NS Area II - colocated | 4/11 - 4/12/06 | Air | Berkshire Environmental | PCB | 4/14/06 |
| PCB Ambient Air Sampling | Background - East of Building 9B | 4/11 - 4/12/06 | Air | Berkshire Environmental | PCB | 4/14/06 |

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

**GONDOLA WIPE SAMPLING**
**NEWELL STREET AREA II**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in μg/100cm$^2$)**

| Sample ID | Date Collected | Aroclor-1016 | Aroclor-1221 | Aroclor-1232 | Aroclor-1242 | Aroclor-1248 | Aroclor-1254 | Aroclor-1260 | Total PCBs |
|---|---|---|---|---|---|---|---|---|---|
| MHFX-5616-W1 | 4/10/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5616-W2 | 4/10/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5616-W3 | 4/10/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5616-W4 | 4/10/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5616-W5 | 4/10/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5663-W1 | 4/10/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5663-W2 | 4/10/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5663-W3 | 4/10/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5663-W4 | 4/10/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5663-W5 | 4/10/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5669-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5669-W2 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5669-W3 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5669-W4 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5669-W5 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5670-W1 | 4/25/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5670-W2 | 4/25/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5670-W3 | 4/25/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5670-W4 | 4/25/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5670-W5 | 4/25/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5715-W1 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5715-W2 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5715-W3 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5715-W4 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5715-W5 | 4/3/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5764-W1 | 4/25/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5764-W2 | 4/25/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5764-W3 | 4/25/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5764-W4 | 4/25/06 | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) | ND(1.0) |
| MHFX-5764-W5 | 4/25/06 | 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 11-3**
**AMBIENT AIR PCB DATA RECEIVED DURING APRIL 2006**

**AMBIENT AIR PCB 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) |
|---|---|---|---|---|---|---|---|---|
| 4/04 - 4/05/06 | 4/7/06 | ND (<0.10) | 0.0006 | 0.0008 | 0.0036 | 0.0016 | 0.0016 | 0.0010 |
| 4/11 - 4/12/06 | 4/14/06 | ND (<0.10) | 0.0048 | ND (<0.0003) | 0.0070 | 0.0030 | 0.0014 | ND (<0.0003) |
| Notification Level | | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |

Note:
ND - Non-Detect

**TABLE 11-4**
**AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING APRIL 2006[1]**

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

| Sampling Date[2] | Sampler Location | Average Site Concentration ($mg/m^3$) | Background Site Concentration ($mg/m^3$) | Average Period (Hours:Min) | Predominant Wind Direction |
|---|---|---|---|---|---|
| 4/3/06 | NN1 - Northwest | 0.014* | 0.011* | 10:30 | Variable |
| | NN2 - Southwest | 0.010* | | 10:30 | |
| | NN3 - Southeast | 0.012* | | 10:30 | |
| | NN4 - Northeast | 0.016* | | 10:30 | |
| 4/4/06 | NN1 - Northwest | 0.021* | 0.006* | 11:00 | WNW |
| | NN2 - Southwest | 0.004* | | 10:45 | |
| | NN3 - Southeast | 0.004* | | 11:00 | |
| | NN4 - Northeast | 0.009* | | 10:45 | |
| 4/5/06 | NN1 - Northwest | 0.005* | 0.006* | 8:45[3] | NNW |
| | NN2 - Southwest | 0.007* | | 10:45 | |
| | NN3 - Southeast | 0.011* | | 10:45 | |
| | NN4 - Northeast | 0.011* | | 10:45 | |
| 4/6/06 | NN1 - Northwest | 0.018* | 0.009* | 11:30 | WNW |
| | NN2 - Southwest | 0.010* | | 11:15 | |
| | NN3 - Southeast | 0.013* | | 11:30 | |
| | NN4 - Northeast | 0.018* | | 11:30 | |
| 4/7/06 | NN1 - Northwest | 0.053* | 0.029* | 5:00[3] | SSW |
| | NN2 - Southwest | 0.031* | | 11:30 | |
| | NN3 - Southeast | 0.033* | | 11:45 | |
| | NN4 - Northeast | 0.053* | | 11:30 | |
| 4/10/06 | NN1 - Northwest | 0.019* | 0.010* | 10:30 | WNW |
| | NN2 - Southwest | 0.010* | | 10:30 | |
| | NN3 - Southeast | 0.012* | | 10:45 | |
| | NN4 - Northeast | 0.018* | | 10:45 | |
| 4/11/06 | NN1 - Northwest | 0.029* | 0.014* | 6:15[3] | Calm |
| | NN2 - Southwest | 0.016* | | 11:30 | |
| | NN3 - Southeast | 0.019* | | 11:15 | |
| | NN4 - Northeast | 0.025* | | 11:30 | |
| 4/12/06 | NN1 - Northwest | 0.029* | 0.021* | 11:00 | SSW |
| | NN2 - Southwest | 0.021* | | 11:00 | |
| | NN3 - Southeast | 0.023* | | 11:00 | |
| | NN4 - Northeast | 0.033* | | 11:00 | |
| 4/13/06 | NN1 - Northwest | 0.028* | 0.013* | 10:15 | WNW |
| | NN2 - Southwest | 0.011* | | 10:30 | |
| | NN3 - Southeast | 0.018* | | 9:45 | |
| | NN4 - Northeast | 0.031* | | 10:30 | |
| 4/14/06 | NN1 - Northwest | 0.018* | 0.014* | 10:30 | SSW |
| | NN2 - Southwest | 0.011* | | 10:45 | |
| | NN3 - Southeast | 0.015* | | 10:45 | |
| | NN4 - Northeast | 0.024* | | 10:30 | |
| 4/17/06 | NN1 - Northwest | 0.004* | 0.004* | 10:45 | NNW |
| | NN2 - Southwest | 0.004* | | 11:00 | |
| | NN3 - Southeast | 0.005* | | 11:00 | |
| | NN4 - Northeast | 0.010* | | 11:00 | |
| 4/18/06 | NN1 - Northwest | 0.009* | 0.003* | 10:15 | NNW |
| | NN2 - Southwest | 0.013 | | 9:45 | |
| | NN3 - Southeast | 0.009* | | 10:00 | |
| | NN4 - Northeast | 0.020* | | 10:00 | |

**TABLE 11-4**
**AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING APRIL 2006[1]**

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

| Sampling Date[2] | Sampler Location | Average Site Concentration ($mg/m^3$) | Background Site Concentration ($mg/m^3$) | Average Period (Hours:Min) | Predominant Wind Direction |
|---|---|---|---|---|---|
| 4/19/06 | NN1 - Northwest | 0.014* | 0.003* | 10:15 | NNW |
| | NN2 - Southwest | 0.018 | | 10:15 | |
| | NN3 - Southeast | 0.022* | | 10:00 | |
| | NN4 - Northeast | 0.019* | | 10:00 | |
| 4/20/06 | NN1 - Northwest | 0.009* | 0.005* | 11:15 | WNW, NNW |
| | NN2 - Southwest | 0.004 | | 11:15 | |
| | NN3 - Southeast | 0.008* | | 11:00 | |
| | NN4 - Northeast | 0.019* | | 11:00 | |
| 4/21/06 | NN1 - Northwest | 0.011* | 0.007* | 11:30 | Variable |
| | NN2 - Southwest | 0.005 | | 11:30 | |
| | NN3 - Southeast | 0.007* | | 9:45[3] | |
| | NN4 - Northeast | 0.011* | | 9:45[3] | |
| 4/24/06 | NN1 - Northwest | 0.007* | 0.007* | 10:30 | Calm |
| | NN2 - Southwest | 0.022* | | 10:30 | |
| | NN3 - Southeast | 0.009* | | 11:00 | |
| | NN4 - Northeast | 0.013* | | 10:45 | |
| 4/25/06 | NN1 - Northwest | 0.031* | 0.018* | 11:15 | WNW |
| | NN2 - Southwest | 0.051* | | 11:15 | |
| | NN3 - Southeast | 0.027* | | 11:15 | |
| | NN4 - Northeast | 0.045* | | 11:00 | |
| 4/26/06 | NN1 - Northwest | 0.012* | 0.005* | 11:00 | SSW |
| | NN2 - Southwest | 0.007* | | 11:00 | |
| | NN3 - Southeast | 0.005* | | 11:00 | |
| | NN4 - Northeast | 0.010* | | 10:45 | |
| 4/27/06 | NN1 - Northwest | 0.022* | 0.013* | 11:15 | WNW |
| | NN2 - Southwest | 0.024* | | 10:45 | |
| | NN3 - Southeast | 0.019* | | 11:00 | |
| | NN4 - Northeast | 0.028* | | 10:45 | |
| 4/28/06 | NN1 - Northwest | 0.010* | 0.005* | 11:15 | NNW |
| | NN2 - Southwest | 0.017* | | 11:00 | |
| | NN3 - Southeast | 0.010* | | 10:45 | |
| | NN4 - Northeast | 0.014* | | 11:00 | |
| Notification Level | | 0.120 | | | |

Notes:

* Measured with DR-2000 or DR-4000. All other 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.

[1] Monitoring was performed only on days when site activities occurred.

[2] The particulate monitors obtain real-time data. The sampling data were obtained by BEC on the sampling date.

[3] Sampling period was shortened due to instrument malfunction.

# ITEM 12
# FORMER OXBOW AREAS J & K
# (GECD420)
# APRIL 2006

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

**a. Activities Undertaken/Completed**

Performed additional supplemental sampling activities in accordance with GE's March 27, 2006 Additional Supplemental Sampling Proposal, as conditionally approved by EPA on April 4, 2006.

**b. Sampling/Test Results Received**

See attached tables.

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

Submitted Addendum to Final RD/RA Work Plan (April 26, 2006).

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

- Select a Remediation Contractor (by May 5, 2006).
- Submit Supplemental Information Package to EPA (within 30 days after selection of Remediation Contractor).

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

No issues

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

Received EPA conditional approval letter for GE's March 27, 2006 Additional Supplemental Sampling Proposal (April 4, 2006).

**TABLE 12-1**
**DATA RECEIVED AND/OR SAMPLES COLLECTED DURING APRIL 2006**

**FORMER OXBOW AREAS J AND K**
**GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

| Project Name | Field Sample ID | Sample Date | Depth (feet) | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|---|
| Supplemental Sampling - Addendum to Final RD/RA Work Plan | DUP-OXBOWJK-1 (K10-10-2-SB-2) | 4/11/06 | 0-1 | Soil | SGS | PCB | 4/13/06 |
| Supplemental Sampling - Addendum to Final RD/RA Work Plan | K10-10-2-SB-1 | 4/11/06 | 0-1 | Soil | SGS | PCB | 4/13/06 |
| Supplemental Sampling - Addendum to Final RD/RA Work Plan | K10-10-2-SB-1 | 4/11/06 | 1-3 | Soil | SGS | PCB | 4/13/06 |
| Supplemental Sampling - Addendum to Final RD/RA Work Plan | K10-10-2-SB-2 | 4/11/06 | 0-1 | Soil | SGS | PCB | 4/13/06 |
| Supplemental Sampling - Addendum to Final RD/RA Work Plan | K10-10-2-SB-2 | 4/11/06 | 1-3 | Soil | SGS | PCB | 4/13/06 |
| Supplemental Sampling - Addendum to Final RD/RA Work Plan | K10-10-2-SB-3 | 4/11/06 | 0-1 | Soil | SGS | PCB | Cancelled |
| Supplemental Sampling - Addendum to Final RD/RA Work Plan | K10-10-2-SB-3 | 4/11/06 | 1-3 | Soil | SGS | PCB | Cancelled |
| Supplemental Sampling - Addendum to Final RD/RA Work Plan | K10-10-2-SB-4 | 4/11/06 | 0-1 | Soil | SGS | PCB | Cancelled |
| Supplemental Sampling - Addendum to Final RD/RA Work Plan | K10-10-2-SB-4 | 4/11/06 | 1-3 | Soil | SGS | PCB | Cancelled |
| Supplemental Sampling - Addendum to Final RD/RA Work Plan | K10-10-3-ROW-1 | 4/11/06 | 0-1 | Soil | SGS | PCB | Cancelled |
| Supplemental Sampling - Addendum to Final RD/RA Work Plan | K10-10-3-ROW-1 | 4/11/06 | 3-6 | Soil | SGS | PCB | Cancelled |
| Supplemental Sampling - Addendum to Final RD/RA Work Plan | K10-10-3-ROW-1 | 4/11/06 | 6-10 | Soil | SGS | PCB | 4/17/06 |
| Supplemental Sampling - Addendum to Final RD/RA Work Plan | RAA15-L8S | 4/11/06 | 0-1 | Soil | SGS | PCB | 4/13/06 |
| Supplemental Sampling - Addendum to Final RD/RA Work Plan | RAA15-L8S | 4/11/06 | 3-6 | Soil | SGS | PCB | 4/13/06 |
| Supplemental Sampling - Addendum to Final RD/RA Work Plan | RAA15-L8S | 4/11/06 | 6-8 | Soil | SGS | PCB | 4/13/06 |

Note:
1. Field duplicate sample locations are presented in parenthesis.

**TABLE 12-2**
**PCB DATA RECEIVED DURING APRIL 2006**

**SUPPLEMENTAL SAMPLING - ADDENDUM TO FINAL RD/RA WORK PLAN**
**FORMER OXBOW AREAS J AND K**
**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 |
|---|---|---|---|---|---|---|
| K10-10-2-SB-1 | 0-1 | 4/11/06 | ND(0.039) | ND(0.039) | 0.22 | 0.22 |
| | 1-3 | 4/11/06 | ND(0.042) | ND(0.042) | 0.49 | 0.49 |
| K10-10-2-SB-2 | 0-1 | 4/11/06 | ND(0.044) [ND(0.044)] | ND(0.044) [ND(0.044)] | 0.24 [0.24] | 0.24 [0.24] |
| | 1-3 | 4/11/06 | ND(0.040) | ND(0.040) | 0.11 | 0.11 |
| K10-10-3-ROW-1 | 6-10 | 4/11/06 | ND(0.036) | 0.72 | 0.34 | 1.06 |
| RAA15-L8S | 0-1 | 4/11/06 | ND(0.043) | ND(0.043) | 0.21 | 0.21 |
| | 3-6 | 4/11/06 | ND(0.041) | 0.95 | 0.37 | 1.32 |
| | 6-8 | 4/11/06 | ND(0.47) | 3.4 | 1.8 | 5.2 |

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
3. Field duplicate sample results are presented in brackets.

# ITEM 13
# HOUSATONIC RIVER AREA
# UPPER ½ MILE REACH
# (GECD800)
# APRIL 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**

See attached tables.

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

Submitted letter responding to Trustee comments on 2005 Annual Monitoring Report (April 21, 2006).

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

Install seepage meters in support of upcoming total organic carbon (TOC) report.

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

Issues relating to 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 APRIL 2006**

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| 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 | 4/7/06 |
| 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 | 4/7/06 |

Note:
1. (f) - Indicates filtered analysis requested.

**TABLE 13-2**
**SAMPLE DATA RECEIVED DURING APRIL 2006**

**MONTHLY WATER COLUMN SAMPLING / 1/2 MILE REACH LOW FLOW SAMPLING**
**HOUSATONIC RIVER - UPPER 1/2 MILE REACH**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in parts per million, ppm)**

| Sample ID | Location | Date Collected | Aroclor-1016, -1221, -1232, -1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Total PCBs | POC | TSS | Chlorophyll (a) |
|---|---|---|---|---|---|---|---|---|---|---|
| LOCATION 2 | Newell Street Bridge | 3/28/06 | ND(0.0000220) | 0.0000250 PE | ND(0.000022) | 0.0000440 AG | 0.0000690 | 0.369 | 2.30 | 0.0012 |
| LOCATION 2 (FILTERED) | | 3/28/06 | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | NA | NA | NA |
| LOCATION 4 | Lyman Street Bridge | 3/28/06 | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | 0.443 | 2.20 | 0.0012 |
| LOCATION 4 (FILTERED) | | 3/28/06 | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | NA | NA | NA |

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. for analysis of PCBs (filtered and unfiltered), 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. NA - Not Analyzed.
5. POC and chlorophyll (a), in addition to Housatonic River - 1/2 Mile Reach low flow sampling parameters, have been analyzed as part of the Housatonic River Monthly Water Column Monitoring Program.

Data Qualifiers:

AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
PE - Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration.

# ITEM 14
# HOUSATONIC RIVER AREA
# 1½ MILE REACH
# (GECD820)
# APRIL 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 April 27, 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 APRIL 2006**

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Monthly Water Column Sampling | Location-4 | 4/27/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | |
| Monthly Water Column Sampling | Location-6A | 4/27/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | |
| Monthly Water Column Sampling | Location-6A | 3/28/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | 4/7/06 |
| 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 | 4/7/06 |

Note:
1. (f) - Indicates filtered analysis requested.

**TABLE 14-2**
**SAMPLE DATA RECEIVED DURING APRIL 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 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Total PCBs | POC | TSS | Chlorophyll (a) |
|---|---|---|---|---|---|---|---|---|---|---|
| LOCATION-4 | Lyman Street Bridge | 3/28/06 | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | 0.443 | 2.20 | 0.0012 |
| LOCATION-4 (FILTERED) [5] | | 3/28/06 | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | NA | NA | NA |
| LOCATION-6A | Pomeroy Avenue Bridge | 3/28/06 | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | 0.271 | 2.43 | 0.0013 |

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. for analysis of PCBs (filtered and unfiltered), 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. NA - Not Analyzed.
5. Filtered PCBs in addition to Monthly Water Column monitoring parameters have been analyzed as part of the Housatonic River 1/2 Mile Reach low flow event at Location 4.

# ITEM 15
# HOUSATONIC RIVER AREA
# REST OF THE RIVER
# (GECD850)
# APRIL 2006

**a. Activities Undertaken/Completed**

- On April 27, 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 April 27, 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.

- Completed 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.*

- Conducted drum sampling at Building 78 of soil from Fox River Paper Mill/Rising Pond Dam, as identified in Table 15-1.

**b. Sampling/Test Results**

See attached tables.

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

- Submitted to Connecticut Department of Environmental Protection (CDEP) a proposal for 2006 fish and benthic invertebrate monitoring for the Connecticut portion of the river (April 4, 2006).

- Submitted comments on EPA's Model Validation Report (April 20, 2006).*

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

- Continue Housatonic River monthly water column monitoring.

- Submit report on structural integrity inspection of Woods Pond Dam.*

- 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**
**(GECD850)**
**APRIL 2006**

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

No issues

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

Received approval, with comments, from CDEP for GE's proposed 2006 fish and benthic invertebrate monitoring for the Connecticut portion of the river (April 20, 2006).

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

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Building 78 Drum Sampling Fox River Paper Mill | A2395-1 | 4/25/06 | Soil | SGS | PCB, TCLP | |
| Monthly Water Column Sampling | HR-D1 (Location-12) | 3/28/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | 4/7/06 |
| Monthly Water Column Sampling | HR-D1 (Location-12) | 4/27/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | |
| Monthly Water Column Sampling | Location-1 | 4/27/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | |
| Monthly Water Column Sampling | Location-1 | 3/28/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | 4/7/06 |
| Monthly Water Column Sampling | Location-10 | 3/28/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | 4/7/06 |
| Monthly Water Column Sampling | Location-10 | 4/27/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | |
| Monthly Water Column Sampling | Location-12 | 3/28/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | 4/7/06 |
| Monthly Water Column Sampling | Location-12 | 4/27/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | |
| Monthly Water Column Sampling | Location-13 | 3/28/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | 4/7/06 |
| Monthly Water Column Sampling | Location-13 | 4/27/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | |
| Monthly Water Column Sampling | Location-2 | 4/27/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | |
| Monthly Water Column Sampling | Location-7 | 3/28/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | 4/7/06 |
| Monthly Water Column Sampling | Location-7 | 4/27/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | |
| Monthly Water Column Sampling | Location-9 | 3/28/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | 4/7/06 |
| Monthly Water Column Sampling | Location-9 | 4/27/06 | Water | NEA | PCB, TSS, POC, Chlorophyll-A | |
| 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 | 4/7/06 |

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

**TABLE 15-2**
**SAMPLE DATA RECEIVED DURING APRIL 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 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | Total PCBs | POC | TSS | Chlorophyll (a) |
|---|---|---|---|---|---|---|---|---|---|---|
| LOCATION-1 | Hubbard Avenue Bridge | 3/28/06 | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | 0.290 | 3.29 | 0.00050 |
| LOCATION-2 | Newell Street Bridge | 3/28/06 | ND(0.0000220) | 0.0000250 PE | ND(0.000022) | 0.0000440 AG | 0.0000690 | 0.369 | 2.30 | 0.0012 |
| LOCATION-2 (FILTERED)[6] | | 3/28/06 | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | NA | NA | NA |
| LOCATION-7 | Holmes Road Bridge | 3/28/06 | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | 0.421 | 2.40 | 0.0011 |
| LOCATION-9 | New Lenox Road Bridge | 3/28/06 | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | 0.486 | 2.60 | 0.0017 |
| LOCATION-10 | Headwaters of Woods Pond | 3/28/06 | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | 0.237 | 1.70 | 0.0013 |
| LOCATION-12 | Schweitzer Bridge | 3/28/06 | ND(0.0000220) | 0.0000220 PE | ND(0.0000220) | 0.0000310 AG | 0.0000530 | 0.350 | 3.00 | 0.0027 |
| | | 3/28/06 | [ND(0.0000220)] | [ND(0.0000220)] | [ND(0.0000220)] | [ND(0.0000220)] | [ND(0.0000220)] | [0.350] | [3.20] | [0.0021] |
| LOCATION-13 | Division Street Bridge | 3/28/06 | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | ND(0.0000220) | 0.438 | 4.00 | 0.0023 |

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. for analysis of PCBs (filtered and unfiltered), 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. NA - Not Analyzed.
5. Field duplicate sample results are presented in brackets.
6. Filtered PCBs in addition to Monthly Water Column monitoring parameters have been analyzed as part of the Housatonic River 1/2 Mile Reach low flow event at Location 2.

Data Qualifiers:

AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
PE - Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample that has undergone environmental alteration.

# ITEMS 16 & 17
# HOUSATONIC RIVER FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1½-MILE REACH (GECD710 AND GECD720)
# APRIL 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.
- Conducted topsoil sampling for use at floodplain properties, as identified in Table 16&17-1.

**b. Sampling/Test Results Received**

None

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

Submitted Supplemental Information Package for the Phase 4 Floodplain Properties (April 14, 2006).

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

- Conduct semi-annual inspection of backfilled/restored areas at Phase 3 floodplain properties.
- Upon EPA approval of Supplemental Information Package for Phase 4 floodplain properties, initiate remediation at those properties.
- 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

**TABLE 16 & 17-1**
**DATA RECEIVED AND/OR SAMPLES COLLECTED DURING APRIL 2006**

**FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH**
**GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Floodplain Topsoil Sampling Program | RAYROBERT-TOPSOIL-1 | 4/17/06 | Soil | SGS | PCB, VOC, SVOC, Metals | |
| Floodplain Topsoil Sampling Program | RAYROBERT-TOPSOIL-2 | 4/19/06 | Soil | SGS | PCB, VOC, SVOC, Metals | |

# ITEM 18
# HOUSATONIC RIVER FLOODPLAIN
# CURRENT RESIDENTIAL PROPERTIES
# DOWNSTREAM OF CONFLUENCE
# (ACTUAL/POTENTIAL LAWNS)
# (GECD730)
# APRIL 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
# (GECD500)
# APRIL 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**

No issues

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

None

# ITEM 20
# OTHER AREAS
# SILVER LAKE AREA
# (GECD600)
# APRIL 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 monitoring wells and staff gauge (see Item 21.a).

**b. Sampling/Test Results Received**

None

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

Submitted Addendum to Third Interim Pre-Design Investigation Report for Soils Adjacent to Silver Lake (April 5, 2006).

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

- Submit Revised Bench-Scale Study Report for Silver Lake Sediments (due by June 1, 2006).
- Submit Pilot Study Work Plan for Silver Lake Sediments (due by June 15, 2006).
- Continue water level monitoring at well pairs surrounding the lake.
- Participate in technical meeting with EPA regarding the objectives and outline for the forthcoming Pilot Study Work Plan for Silver Lake Sediments.

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

No issues

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

None

# ITEM 21
# GROUNDWATER MANAGEMENT AREAS
# PLANT SITE 1 (GMA 1)
# (GECD310)
# APRIL 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 and groundwater elevation monitoring round.
- Performed spring 2006 interim groundwater sampling activities.

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

- Continued automated groundwater and NAPL pumping at North Side and South Side Caissons. No LNAPL was recovered from the North Side Caisson in April. Approximately 12 gallons of LNAPL were recovered from the South Side Caisson in April.
- Continued routine well monitoring and manual NAPL removal activities. No LNAPL was removed from this area during April.

**East Street Area 2-South:**

- Continued automated groundwater and LNAPL removal activities. A total of approximately 3,926,309 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 950 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 29 gallons of DNAPL were removed from pumping system RW-3(X) during April.
- Continued routine well monitoring and manual NAPL removal activities. Approximately 0.802 liter (0.212 gallon) of LNAPL was removed from wells in this area during April.
- Treated/discharged 5,086,460 gallons of water through 64G Groundwater Treatment Facility.

**East Street Area 2-North:**

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

# ITEM 21
# (cont'd)
# GROUNDWATER MANAGEMENT AREAS
# PLANT SITE 1 (GMA 1)
# (GECD310)
# APRIL 2006

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

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

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

**Lyman Street Area:**

- Continued automated groundwater and NAPL removal activities. A total of approximately 245,626 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 April.

- Continued routine well monitoring and NAPL removal activities. Approximately 0.278 liter (0.073 gallon) of DNAPL was removed from wells in this area during April. No LNAPL was removed from wells in this area during April.

**Newell Street Area II:**

- Continued routine well monitoring and NAPL removal activities. No DNAPL or LNAPL was recovered from this area during April.

- Removed sediment from recovery well N2SC-03I(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.

- Preliminary analytical results received in April 2006 from the spring 2006 GMA 1 interim groundwater quality monitoring activities are shown in Table 21-2. These preliminary results have been compared to the applicable Method 1 GW-2 and GW-3 groundwater standards and UCLs for groundwater set forth in the MCP. (Note that, under this interim monitoring program, samples are analyzed for PCBs and cyanide only in filtered form.) These comparisons indicate the following:

**ITEM 21**
**(cont'd)**
**GROUNDWATER MANAGEMENT AREAS**
**PLANT SITE 1 (GMA 1)**
**(GECD310)**
**APRIL 2006**

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

- The MCP UCL for PCBs in groundwater (0.005 ppm) was exceeded in the filtered sample from monitoring well LSSC-18. Similar exceedances were previously observed in unfiltered samples collected from this well.

- There were no other exceedances of UCLs in any of the groundwater sample results received in April 2006.

- The MCP GW-2 standards were not exceeded in any of the GW-2 groundwater sample results received in April 2006.

- The MCP GW-3 standard for PCBs (0.003 ppm) was exceeded in the filtered samples from monitoring wells E2SC-23, E2SC-24, ES1-5, HR-G3-MW-1, LS-29, LSSC-8S, and LSSC-18. Similar exceedances were previously observed in filtered samples collected from each of these wells.

- No other MCP GW-3 standards were exceeded in any of the groundwater sample results received in April 2006.

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

None

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

- Continue routine monitoring activities.

- Repair/replace wells that were damaged during Newell Street Area II Removal Action.

- Remove hydraulic piston from Building 43 elevator shaft and, following EPA approval, grout casing (see also Item 1 above).

- Following EPA approval of the following 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.

**ITEM 21**
**(cont'd)**
**GROUNDWATER MANAGEMENT AREAS**
**PLANT SITE 1 (GMA 1)**
**(GECD310)**
**APRIL 2006**

**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.

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

- Several program modifications were proposed in GE's Spring 2005 NAPL Monitoring Report. Installation of wells GMA1-22, GMA1-23, and GMA1-24 (approved by EPA in an electronic transmittal on March 7, 2006) was completed during late March 2006. EPA approval of the remaining proposed modifications is pending (see Item 21.d above).

- 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. 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. These modifications were verbally approved by EPA on March 30, 2006 and were implemented during the April 2006 sampling event.

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

**GROUNDWATER MANAGEMENT AREA 1**
**GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Semi-Annual Groundwater Sampling | 72R | 4/4/06 | Water | SGS | PCB (f), VOC, CN (f) | 4/14/06 |
| Semi-Annual Groundwater Sampling | E2SC-23 | 4/4/06 | Water | SGS | PCB (f) | 4/14/06 |
| Semi-Annual Groundwater Sampling | E2SC-24 | 4/5/06 | Water | SGS | PCB (f), PAC CN (f) | 4/19/06 |
| Semi-Annual Groundwater Sampling | ES1-27R | 4/3/06 | Water | SGS | PCB (f) | 4/14/06 |
| Semi-Annual Groundwater Sampling | ES1-5 | 4/3/06 | Water | SGS | PCB (f) | 4/14/06 |
| Semi-Annual Groundwater Sampling | ES2-02A | 4/5/06 | Water | SGS | PAC CN (f) | 4/19/06 |
| Semi-Annual Groundwater Sampling | ESA1N-52 | 4/5/06 | Water | SGS | PCB (f) | 4/19/06 |
| Semi-Annual Groundwater Sampling | ESA2S-52 | 4/4/06 | Water | SGS | CN (f) | 4/14/06 |
| Semi-Annual Groundwater Sampling | ESA2S-64 | 4/4/06 | Water | SGS | CN (f) | 4/14/06 |
| Semi-Annual Groundwater Sampling | GMA-DUP-1 (72R) | 4/4/06 | Water | SGS | PCB (f), VOC, CN (f) | 4/14/06 |
| Semi-Annual Groundwater Sampling | GMA1-13 | 4/3/06 | Water | SGS | PCB (f) | 4/14/06 |
| Semi-Annual Groundwater Sampling | GMA1-18 | 4/5/06 | Water | SGS | PCB (f) | 4/19/06 |
| Semi-Annual Groundwater Sampling | GMA1-6 | 4/4/06 | Water | SGS | PCB (f), VOC | 4/14/06 |
| Semi-Annual Groundwater Sampling | HR-G1-MW-3 | 4/6/06 | Water | SGS | PAC CN (f) | 4/14/06 |
| Semi-Annual Groundwater Sampling | HR-G3-MW-1 | 4/6/06 | Water | SGS | PCB (f) | 4/14/06 |
| Semi-Annual Groundwater Sampling | LS-29 | 4/5/06 | Water | SGS | PCB (f) | 4/19/06 |
| Semi-Annual Groundwater Sampling | LS-MW-4R | 4/7/06 | Water | SGS | PCB (f), VOC | 4/14/06 |
| Semi-Annual Groundwater Sampling | LSSC-08S | 4/5/06 | Water | SGS | PCB (f) | 4/19/06 |
| Semi-Annual Groundwater Sampling | LSSC-16S | 4/6/06 | Water | SGS | VOC | 4/14/06 |
| Semi-Annual Groundwater Sampling | LSSC-18 | 4/7/06 | Water | SGS | PCB (f) | 4/14/06 |
| Semi-Annual Groundwater Sampling | MW-139R | 4/14/06 | Water | SGS | PCB (f) | 4/26/06 |
| Semi-Annual Groundwater Sampling | N2SC-07S | 4/7/06 | Water | SGS | PCB (f), VOC | 4/14/06 |
| Semi-Annual Groundwater Sampling | NS-17 | 4/7/06 | Water | SGS | VOC | 4/14/06 |
| Semi-Annual Groundwater Sampling | RF-02 | 4/6/06 | Water | SGS | PCB (f) | 4/14/06 |
| Semi-Annual Groundwater Sampling | RF-16 | 4/6/06 | Water | SGS | PAC CN (f) | 4/14/06 |

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

**TABLE 21-2**
**DATA RECEIVED DURING APRIL 2006**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING**
**GROUNDWATER MANAGEMENT AREA 1**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in parts per million, ppm)**

| Parameter / Sample ID: / Date Collected: | 72R 4/4/06 | E2SC-23 4/4/06 | E2SC-24 4/5/06 | ES1-5 4/3/06 | ES1-27R 4/3/06 | ES2-02A 4/5/06 | ESA1N-52 4/5/06 | ESA2S-52 4/4/06 |
|---|---|---|---|---|---|---|---|---|
| **Volatile Organics** | | | | | | | | |
| 1,1-Dichloroethene | ND(0.0010) [ND(0.0010)] | NA | NA | NA | NA | NA | NA | NA |
| Benzene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Chlorobenzene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Chloroform | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Tetrachloroethene | ND(0.0020) [ND(0.0020)] | NA | NA | NA | NA | NA | NA | NA |
| Toluene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| trans-1,2-Dichloroethene | ND(0.0050) [ND(0.0050)] | NA | NA | NA | NA | NA | NA | NA |
| Vinyl Chloride | ND(0.0020) [ND(0.0020)] | NA | NA | NA | NA | NA | NA | NA |
| Xylenes (total) | ND(0.010) [ND(0.010)] | NA | NA | NA | NA | NA | NA | NA |
| **PCBs-Filtered** | | | | | | | | |
| Aroclor-1248 | ND(0.000065) [ND(0.000065)] | ND(0.000065) | ND(0.000065) | ND(0.000065) | ND(0.000065) | NA | ND(0.000065) | NA |
| Aroclor-1254 | 0.00014 [0.00014] | 0.0021 | 0.00053 | 0.00021 | 0.00028 | NA | 0.000087 | NA |
| Aroclor-1260 | ND(0.000065) [ND(0.000065)] | 0.00059 | ND(0.000065) | 0.00011 | ND(0.000065) | NA | ND(0.000065) | NA |
| Total PCBs | 0.00014 [0.00014] | 0.00269 | 0.00053 | 0.00032 | 0.00028 | NA | 0.000087 | NA |
| **Semivolatile Organics** | | | | | | | | |
| None Detected | -- | NA | NA | NA | NA | NA | NA | NA |
| **Inorganics-Filtered** | | | | | | | | |
| Cyanide-MADEP (PAC) | ND(0.0100) [ND(0.0100)] | NA | ND(0.0100) | NA | NA | 0.00540 B | NA | 0.00550 B |

**TABLE 21-2**
**DATA RECEIVED DURING APRIL 2006**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING**
**GROUNDWATER MANAGEMENT AREA 1**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in parts per million, ppm)**

| Parameter / Sample ID: / Date Collected: | ESA2S-64 4/4/06 | GMA1-6 4/4/06 | GMA1-13 4/3/06 | GMA1-18 4/5/06 | HR-G1-MW-3 4/6/06 | HR-G3-MW-1 4/6/06 | LS-29 4/5/06 | LS-MW-4R 4/7/06 |
|---|---|---|---|---|---|---|---|---|
| **Volatile Organics** | | | | | | | | |
| 1,1-Dichloroethene | NA | ND(0.0010) | NA | NA | NA | NA | NA | ND(0.0010) |
| Benzene | NA | ND(0.0050) | NA | NA | NA | NA | NA | 0.0072 |
| Chlorobenzene | NA | ND(0.0050) | NA | NA | NA | NA | NA | ND(0.0050) |
| Chloroform | NA | ND(0.0050) | NA | NA | NA | NA | NA | ND(0.0050) |
| Tetrachloroethene | NA | ND(0.0020) | NA | NA | NA | NA | NA | ND(0.0020) |
| Toluene | NA | ND(0.0050) | NA | NA | NA | NA | NA | ND(0.0050) |
| trans-1,2-Dichloroethene | NA | ND(0.0050) | NA | NA | NA | NA | NA | ND(0.0050) |
| Vinyl Chloride | NA | ND(0.0020) | NA | NA | NA | NA | NA | ND(0.0020) |
| Xylenes (total) | NA | ND(0.010) | NA | NA | NA | NA | NA | 0.0082 J |
| **PCBs-Filtered** | | | | | | | | |
| Aroclor-1248 | NA | ND(0.000065) | ND(0.000065) | ND(0.000065) | NA | ND(0.000065) | ND(0.000065) | ND(0.000065) |
| Aroclor-1254 | NA | ND(0.000065) | 0.00022 | 0.00011 | NA | 0.00046 | 0.0010 | 0.000064 J |
| Aroclor-1260 | NA | ND(0.000065) | ND(0.000065) | ND(0.000065) | NA | 0.00042 | ND(0.000065) | ND(0.000065) |
| Total PCBs | NA | ND(0.000065) | 0.00022 | 0.00011 | NA | 0.00088 | 0.0010 | 0.000064 J |
| **Semivolatile Organics** | | | | | | | | |
| None Detected | NA | -- | NA | NA | NA | NA | NA | NA |
| **Inorganics-Filtered** | | | | | | | | |
| Cyanide-MADEP (PAC) | 0.00370 B | NA | NA | NA | 0.00600 B | NA | NA | NA |

**TABLE 21-2**
**DATA RECEIVED DURING APRIL 2006**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING**
**GROUNDWATER MANAGEMENT AREA 1**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in parts per million, ppm)**

| Parameter / Sample ID: / Date Collected: | LSSC-08S 4/5/06 | LSSC-16S 4/6/06 | LSSC-18 4/7/06 | MW-139R 4/14/06 | N2SC-07S 4/7/06 | NS-17 4/7/06 | RF-02 4/6/06 | RF-16 4/6/06 |
|---|---|---|---|---|---|---|---|---|
| **Volatile Organics** | | | | | | | | |
| 1,1-Dichloroethene | NA | ND(0.0010) | NA | NA | 0.0035 | ND(0.0010) | NA | NA |
| Benzene | NA | ND(0.0050) | NA | NA | 0.012 | 0.0027 J | NA | NA |
| Chlorobenzene | NA | ND(0.0050) | NA | NA | 0.058 | 0.019 | NA | NA |
| Chloroform | NA | 0.0027 J | NA | NA | ND(0.0050) | ND(0.0050) | NA | NA |
| Tetrachloroethene | NA | 0.0048 | NA | NA | ND(0.0020) | ND(0.0020) | NA | NA |
| Toluene | NA | ND(0.0050) | NA | NA | 0.0016 J | ND(0.0050) | NA | NA |
| trans-1,2-Dichloroethene | NA | ND(0.0050) | NA | NA | 0.0037 J | ND(0.0050) | NA | NA |
| Vinyl Chloride | NA | ND(0.0020) | NA | NA | 0.49 | 0.030 | NA | NA |
| Xylenes (total) | NA | ND(0.010) | NA | NA | ND(0.010) | ND(0.010) | NA | NA |
| **PCBs-Filtered** | | | | | | | | |
| Aroclor-1248 | 0.0014 | NA | ND(0.00025) | ND(0.000065) | ND(0.000065) | NA | ND(0.000065) | NA |
| Aroclor-1254 | 0.0018 | NA | 0.0048 | 0.00015 | 0.000084 | NA | 0.000089 | NA |
| Aroclor-1260 | ND(0.000065) | NA | 0.0014 | ND(0.000065) | ND(0.000065) | NA | ND(0.000065) | NA |
| Total PCBs | 0.0032 | NA | 0.0062 | 0.00015 | 0.000084 | NA | 0.000089 | NA |
| **Semivolatile Organics** | | | | | | | | |
| None Detected | NA | -- | NA | NA | NA | NA | NA | NA |
| **Inorganics-Filtered** | | | | | | | | |
| Cyanide-MADEP (PAC) | NA | NA | NA | NA | NA | NA | NA | ND(0.0100) |

Notes:

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

Data Qualifiers:

Organics (volatiles, PCBs, 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 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**
**April 2006**

| Caisson | Month | Vol. LNAPL Collected (gallon) | Vol. Water Recovered (gallon) | Percent Downtime |
|---|---|---|---|---|
| Northside | 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 |
| | April 2006 | 0.0 | 17,500 | |
| Southside | 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 |
| | April 2006 | 12.0 | 76,200 | |

**TABLE 21-4**
**ROUTINE WELL MONITORING**
**EAST STREET AREA 1 - NORTH & SOUTH**
**GROUNDWATER MANAGEMENT AREA 1**

**CONSENT DECREE MONTHLY STATUS REPORT**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**April 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) |
|---|---|---|---|---|---|---|---|---|---|
| **GMA 1 - East Street Area 1 - North** | | | | | | | | | |
| 25 | 1000.70 | 4/12/06 | 5.90 | --- | 0.00 | --- | 14.90 | 0.00 | 994.80 |
| 49 | 999.90 | 4/12/06 | 5.37 | 5.35 | 0.02 | --- | 20.60 | 0.00 | 994.55 |
| 52 | 999.26 | 4/5/06 | 4.45 | --- | 0.00 | --- | 12.65 | 0.00 | 994.81 |
| 52 | 999.26 | 4/12/06 | 4.90 | --- | 0.00 | --- | 12.80 | 0.00 | 994.36 |
| 60R | 1004.03 | 4/10/06 | 10.66 | --- | 0.00 | --- | 19.36 | 0.00 | 993.37 |
| 105 | 1002.85 | 4/10/06 | 7.26 | 7.09 | 0.17 | --- | 17.65 | 0.00 | 995.75 |
| 106 | 1004.06 | 4/10/06 | 7.31 | 7.17 | 0.14 | --- | 12.77 | 0.00 | 996.88 |
| 107 | 1003.86 | 4/10/06 | 7.07 | --- | 0.00 | --- | 17.76 | 0.00 | 996.79 |
| 108A | 1007.79 | 4/10/06 | 10.11 | --- | 0.00 | --- | 21.84 | 0.00 | 997.68 |
| 109A | 1005.43 | 4/10/06 | 8.32 | --- | 0.00 | --- | 20.88 | 0.00 | 997.11 |
| 118 | 1001.50 | 4/10/06 | 4.47 | --- | 0.00 | --- | 7.09 | 0.00 | 997.03 |
| 120 | 1001.30 | 4/10/06 | Casing destroyed, well unavailable for measuring | | | | -- | -- | NA |
| 128 | 1001.41 | 4/10/06 | 6.70 | --- | 0.00 | --- | 9.52 | 0.00 | 994.71 |
| 131 | 1001.18 | 4/12/06 | 4.46 | 4.43 | 0.03 | --- | 6.55 | 0.00 | 996.75 |
| 131 | 1001.18 | 4/12/06 | 4.46 | 4.43 | 0.03 | --- | 6.55 | 0.00 | 996.75 |
| 140 | 1000.30 | 4/12/06 | 7.20 | --- | 0.00 | --- | 15.30 | 0.00 | 993.10 |
| ES1-08 | 1000.85 | 4/12/06 | 5.30 | --- | 0.00 | --- | 13.45 | 0.00 | 995.55 |
| North Caisson | 997.84 | 4/6/06 | 18.42 | 18.39 | 0.03 | --- | 19.80 | 0.00 | 979.45 |
| North Caisson | 997.84 | 4/12/06 | 18.26 | 18.24 | 0.02 | --- | 19.80 | 0.00 | 979.60 |
| North Caisson | 997.84 | 4/19/06 | 18.15 | 18.14 | 0.01 | --- | 19.80 | 0.00 | 979.70 |
| North Caisson | 997.84 | 4/26/06 | 18.28 | 18.27 | 0.01 | --- | 19.80 | 0.00 | 979.57 |
| **GMA 1 - East Street Area 1 - South** | | | | | | | | | |
| 31R | 1,000.23 | 4/10/06 | 9.39 | --- | 0.00 | --- | 14.86 | 0.00 | 990.84 |
| 33 | 999.50 | 4/10/06 | 6.15 | --- | 0.00 | --- | 21.03 | 0.00 | 993.35 |
| 34 | 999.90 | 4/10/06 | 5.71 | 5.70 | 0.01 | --- | 21.05 | 0.00 | 994.20 |
| 35 | 1000.15 | 4/10/06 | 5.77 | --- | 0.00 | --- | 9.45 | 0.00 | 994.38 |
| 45 | 1000.10 | 4/10/06 | 5.73 | 5.70 | 0.03 | --- | 20.74 | 0.00 | 994.40 |
| 46 | 999.80 | 4/10/06 | 5.91 | --- | 0.00 | --- | 17.06 | 0.00 | 993.89 |
| 72 | 1000.62 | 4/10/06 | 6.48 | --- | 0.00 | --- | 21.82 | 0.00 | 994.14 |
| 72R | 1000.92 | 4/4/06 | 6.82 | --- | 0.00 | --- | 13.48 | 0.00 | 994.10 |
| 72R | 1000.92 | 4/10/06 | 6.32 | --- | 0.00 | --- | 13.30 | 0.00 | 994.60 |
| 75 | 1000.65 | 4/10/06 | 6.39 | --- | 0.00 | --- | 20.46 | 0.00 | 994.26 |
| 76 | 1000.45 | 4/10/06 | 7.03 | 6.98 | 0.05 | --- | 18.68 | 0.00 | 993.47 |
| 78 | 997.61 | 4/12/06 | 3.26 | --- | 0.00 | --- | 21.93 | 0.00 | 994.35 |
| 80 | 989.98 | 4/12/06 | 4.80 | --- | 0.00 | --- | 24.75 | 0.00 | 985.18 |
| 90 | 987.65 | 4/12/06 | 5.45 | --- | 0.00 | --- | 12.20 | 0.00 | 982.20 |
| 139R | 986.91 | 4/12/06 | 10.62 | --- | 0.00 | --- | 14.18 | 0.00 | 976.29 |
| ES1-13 | 999.93 | 4/10/06 | 6.00 | --- | 0.00 | --- | 12.04 | 0.00 | 993.93 |
| ES1-23R | 989.94 | 4/10/06 | 2.58 | --- | 0.00 | --- | 15.94 | 0.00 | 987.36 |
| GMA1-6 | 1000.44 | 4/4/06 | 7.86 | --- | 0.00 | --- | 15.08 | 0.00 | 992.58 |
| GMA1-6 | 1000.44 | 4/10/06 | 7.91 | --- | 0.00 | --- | 14.90 | 0.00 | 992.53 |
| GMA1-7 | 985.81 | 4/12/06 | 11.70 | --- | 0.00 | --- | 14.88 | 0.00 | 974.11 |
| GMA1-18 | 998.29 | 4/5/06 | 7.02 | --- | 0.00 | --- | 13.72 | 0.00 | 991.27 |
| GMA1-18 | 998.29 | 4/10/06 | 6.39 | --- | 0.00 | --- | 13.38 | 0.00 | 991.90 |

**TABLE 21-4**
**ROUTINE WELL MONITORING**
**EAST STREET AREA 1 - NORTH & SOUTH**
**GROUNDWATER MANAGEMENT AREA 1**

**CONSENT DECREE MONTHLY STATUS REPORT**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**April 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) |
|---|---|---|---|---|---|---|---|---|---|
| South Caisson | 1001.11 | 4/6/06 | 14.28 | 14.21 | 0.07 | --- | 15.00 | 0.00 | 986.90 |
| South Caisson | 1001.11 | 4/6/06 | 14.28 | 14.21 | 0.07 | --- | 15.00 | 0.00 | 986.90 |
| South Caisson | 1001.11 | 4/19/06 | 14.32 | 14.30 | 0.02 | --- | 15.00 | 0.00 | 986.81 |
| South Caisson | 1001.11 | 4/26/06 | 14.40 | 14.38 | 0.02 | --- | 15.00 | 0.00 | 986.73 |

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 21-5**
**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**
**April 2006**

| Recovery System Location | Month | Oil Collected (gallon) | Water Recovered (gallon) | Percent Downtime |
|---|---|---|---|---|
| 40R | 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 | | |
| | April 2006 | 0 | | |
| 64R | 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 |
| | April 2006 | 75 | 375,609 | |
| 64S System | 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 |
| | April 2006 | 558 | 696,282 | 5.36 |
| 64V [1] | 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 |
| | April 2006 | 249 | 901,800 | |

**TABLE 21-5**
**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**
**April 2006**

| Recovery System Location | Month | Oil Collected (gallon) | Water Recovered (gallon) | Percent Downtime |
|---|---|---|---|---|
| 64X | 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 |
| | April 2006 | 1 | 403,200 | |
| RW-2(X) | 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 | 1,081,726 | 0.71 |
| | April 2006 | 10 | 408,494 | |
| RW-1(S) [2] | 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 |
| | April 2006 | 57 | 736,984 | |
| RW-1(X) | 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 |
| | April 2006 | 0 | 403,940 | |

**TABLE 21-5**
**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**
**April 2006**

| Recovery System Location | Month | Oil Collected (gallon) | Water Recovered (gallon) | Percent Downtime |
|---|---|---|---|---|
| RW-3(X) | 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 | | |
| | April 2006 | 29 | | |

| Summary of Total Automated Removal | | |
|---|---|---|
| **Water:** | **3,926,309** | **Gallons** |
| **LNAPL:** | **950** | **Gallons** |
| **DNAPL:** | **29** | **Gallons** |

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 21-6**
**64G TREATMENT PLANT DISCHARGE DATA**
**GROUNDWATER MANAGEMENT AREA 1**

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

| Date | Housatonic River Discharge (gallons) | Recharge Pond Discharge (gallons) | Total Discharge (gallons) |
|---|---|---|---|
| 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 |
| April 2006 | 4,830,590 | 255,870 | 5,086,460 |

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

**TABLE 21-7**
**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**
**April 2006**

| Well Name | Date | Depth to Water (ft BMP) | Depth to LNAPL (ft BMP) | LNAPL Thickness (feet) | LNAPL Removed (liters) | April 2006 Removal (liters) |
|---|---|---|---|---|---|---|
| GMA1-19 | 4/5/06 | 11.37 | 10.80 | 0.57 | 0.352 | 0.802 |
| | 4/18/06 | 11.58 | 11.15 | 0.43 | 0.265 | |
| | 4/25/06 | 11.00 | 10.70 | 0.30 | 0.185 | |

**Total LNAPL Removal East Street Area 2 - South for April 2006: 0.802 liters**
**0.212 gallons**

**Total LNAPL Removal East Street Area 2 - North for April 2006: 0.000 liters**
**0.000 gallons**

**Total LNAPL Removal 20's, 30's & 40's Complexes for April 2006: 0.000 liters**
**0.000 gallons**

**Total LNAPL Removal for April 2006: 0.802 liters**
**0.212 gallons**

Note:
1. ft BMP - feet Below Measuring Point.

**TABLE 21-8**
**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**
**April 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) |
|---|---|---|---|---|---|---|---|---|---|
| **20's Complex** | | | | | | | | | |
| CC | 998.84 | 4/10/06 | 18.55 | 18.54 | 0.01 | --- | 27.14 | 0.00 | 980.30 |
| EE | 1,004.27 | 4/10/06 | 23.91 | 23.90 | 0.01 | --- | 33.65 | 0.00 | 980.37 |
| FF | 1,005.70 | 4/10/06 | 14.90 | --- | 0.00 | --- | 32.75 | 0.00 | 990.80 |
| GG | 1,007.40 | 4/10/06 | 25.53 | --- | 0.00 | --- | 24.26 | 0.00 | 981.87 |
| II | 1,007.26 | 4/10/06 | 26.57 | --- | 0.00 | --- | 31.66 | 0.00 | 980.69 |
| JJ | 1,006.38 | 4/10/06 | 26.09 | --- | 0.00 | --- | 36.08 | 0.00 | 980.29 |
| LL-R | 1,010.39 | 4/10/06 | 28.94 | --- | 0.00 | --- | 35.39 | 0.00 | 981.45 |
| O-R | 1,000.42 | 4/10/06 | 15.70 | --- | 0.00 | --- | 21.48 | 0.00 | 984.72 |
| P-R | 1,005.01 | 4/10/06 | 25.11 | --- | 0.00 | --- | 28.19 | 0.00 | 979.90 |
| QQ-R | 998.32 | 4/10/06 | 18.22 | --- | 0.00 | --- | 28.12 | 0.00 | 980.10 |
| U | 998.89 | 4/10/06 | 19.44 | --- | 0.00 | --- | 26.55 | 0.00 | 979.45 |
| Y | 1,002.86 | 4/10/06 | 23.20 | --- | 0.00 | --- | 28.48 | 0.00 | 979.66 |
| **30's Complex** | | | | | | | | | |
| 95-15 | 986.38 | 4/10/06 | 8.12 | --- | 0.00 | --- | 16.58 | 0.00 | 978.26 |
| 95-16 | 1,007.65 | 4/10/06 | 15.27 | --- | 0.00 | --- | 22.73 | 0.00 | 992.38 |
| ES2-19 | 1,007.22 | 4/10/06 | 13.14 | --- | 0.00 | --- | 18.63 | 0.00 | 994.08 |
| GMA1-10 | 984.86 | 4/10/06 | 7.55 | --- | 0.00 | --- | 19.82 | 0.00 | 977.31 |
| GMA1-12 | 992.26 | 4/10/06 | 14.51 | --- | 0.00 | --- | 22.18 | 0.00 | 977.75 |
| RF-02 | 982.43 | 4/6/06 | 5.48 | --- | 0.00 | --- | 18.44 | 0.00 | 976.95 |
| RF-02 | 982.43 | 4/10/06 | 5.43 | --- | 0.00 | --- | 18.31 | 0.00 | 977.00 |
| RF-03 | 985.40 | 4/10/06 | 8.85 | --- | 0.00 | --- | 18.49 | 0.00 | 976.55 |
| RF-03D | 985.31 | 4/10/06 | 7.56 | --- | 0.00 | --- | 36.00 | 0.00 | 977.75 |
| RF-16 | 987.91 | 4/6/06 | 9.47 | --- | 0.00 | --- | 20.84 | 0.00 | 978.44 |
| RF-16 | 987.91 | 4/10/06 | 9.43 | --- | 0.00 | --- | 20.58 | 0.00 | 978.48 |
| **40s Complex** | | | | | | | | | |
| 95-17 | 1,007.67 | 4/12/06 | Buried Under Rock Pile | | -- | -- | -- | -- | NA |
| RF-4 | 1,011.99 | 4/11/06 | 15.19 | --- | 0.00 | --- | 24.15 | 0.00 | 996.80 |
| **East Street Area 2 - North** | | | | | | | | | |
| 05-N | 1,009.23 | 4/10/06 | 24.49 | --- | 0.00 | --- | 27.67 | 0.00 | 984.74 |
| 11-N | 1,010.85 | 4/10/06 | 29.40 | --- | 0.00 | --- | 35.68 | 0.00 | 981.45 |
| 14-N | 1,010.53 | 4/10/06 | 23.66 | 23.42 | 0.24 | --- | 30.35 | 0.00 | 987.09 |
| 16-N | 1,010.65 | 4/12/06 | 29.81 | --- | 0.00 | --- | 37.30 | 0.00 | 980.84 |
| 17A | 1,023.86 | 4/12/06 | 7.20 | --- | 0.00 | --- | 19.45 | 0.00 | 1,016.66 |
| 17-N | 1,010.49 | 4/10/06 | 29.36 | 29.32 | 0.04 | --- | 38.79 | 0.00 | 981.17 |
| 19-N | 1,010.68 | 4/10/06 | 29.07 | --- | 0.00 | --- | 36.10 | 0.00 | 981.61 |
| 20-N | 1,010.66 | 4/10/06 | 28.52 | --- | 0.00 | --- | 36.75 | 0.00 | 982.14 |
| 23-N | 1,011.13 | 4/10/06 | 29.75 | 29.46 | 0.29 | --- | 38.19 | 0.00 | 981.65 |
| 24-N | 1,010.50 | 4/10/06 | 20.66 | --- | 0.00 | --- | 33.80 | 0.00 | 989.84 |
| 27-N | 1,010.40 | 4/10/06 | Well Destroyed | | -- | -- | -- | -- | NA |
| 95-12 | 1,010.20 | 4/10/06 | 16.44 | --- | 0.00 | --- | 28.43 | 0.00 | 993.76 |
| ES1-05 | 1,023.33 | 4/5/06 | 39.58 | --- | 0.00 | --- | 44.12 | 0.00 | 983.75 |
| ES1-05 | 1,023.33 | 4/10/06 | 39.67 | --- | 0.00 | --- | 44.14 | 0.00 | 983.66 |
| ES1-18 | 1,049.71 | 4/10/06 | 6.67 | --- | 0.00 | --- | 14.08 | 0.00 | 1,043.04 |
| ES1-20 | 1,001.56 | 4/10/06 | 14.19 | --- | 0.00 | --- | 19.41 | 0.00 | 987.37 |
| ES1-27R | 1,023.19 | 4/3/06 | 10.07 | --- | 0.00 | --- | 19.16 | 0.00 | 1,013.12 |
| ES1-27R | 1,023.19 | 4/10/06 | 8.80 | --- | 0.00 | --- | 19.03 | 0.00 | 1,014.39 |
| **East Street Area 2 - South** | | | | | | | | | |
| 01R | 992.72 | 4/10/06 | 12.31 | --- | 0.00 | --- | 24.61 | 0.00 | 980.41 |
| 02 | 995.64 | 4/12/06 | 17.40 | --- | 0.00 | --- | 23.38 | 0.00 | 978.24 |
| 05 | 996.10 | 4/10/06 | 14.20 | 14.16 | 0.04 | --- | 23.17 | 0.00 | 981.94 |
| 06 | 991.18 | 4/10/06 | 13.67 | --- | 0.00 | --- | 27.78 | 0.00 | 977.51 |

**TABLE 21-8**
**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**
**April 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) |
|---|---|---|---|---|---|---|---|---|---|
| **East Street Area 2 - South (cont'd)** | | | | | | | | | |
| 09R | 986.88 | 4/12/06 | 13.31 | --- | 0.00 | --- | 19.58 | 0.00 | 973.57 |
| 10 | 987.95 | 4/12/06 | 14.45 | --- | 0.00 | --- | 14.78 | 0.00 | 973.50 |
| 13 | 990.88 | 4/10/06 | 17.60 | --- | 0.00 | --- | 22.63 | 0.00 | 973.28 |
| 14 | 991.61 | 4/10/06 | 17.73 | 17.70 | 0.03 | --- | 25.66 | 0.00 | 973.91 |
| 16R | 987.10 | 4/10/06 | 13.21 | --- | 0.00 | --- | 26.40 | 0.00 | 973.89 |
| 19 | 983.59 | 4/5/06 | 10.62 | --- | 0.00 | --- | 18.42 | 0.00 | 972.97 |
| 19 | 983.59 | 4/10/06 | 10.79 | --- | 0.00 | --- | 18.30 | 0.00 | 972.80 |
| 19 | 983.59 | 4/18/06 | 11.02 | --- | 0.00 | --- | 18.35 | 0.00 | 972.57 |
| 19 | 983.59 | 4/25/06 | 10.55 | --- | 0.00 | --- | 18.30 | 0.00 | 973.04 |
| 25R | 998.31 | 4/10/06 | 24.92 | 21.50 | 3.42 | --- | 37.80 | 0.00 | 976.57 |
| 26RR | 1,000.58 | 4/12/06 | 21.63 | 21.60 | 0.03 | --- | 28.50 | 0.00 | 978.98 |
| 28 | 991.86 | 4/11/06 | 15.40 | --- | 0.00 | --- | 21.78 | 0.00 | 976.46 |
| 29 | 991.59 | 4/11/06 | 18.76 | 18.18 | 0.58 | --- | 22.03 | 0.00 | 973.37 |
| 30 | 989.34 | 4/11/06 | 12.35 | 12.30 | 0.05 | --- | 22.46 | 0.00 | 977.04 |
| 31 | 990.60 | 4/11/06 | 13.59 | --- | 0.00 | --- | 22.87 | 0.00 | 977.01 |
| 32 | 990.81 | 4/11/06 | 12.69 | --- | 0.00 | --- | 16.65 | 0.00 | 978.12 |
| 34 | 982.54 | 4/10/06 | 8.11 | --- | 0.00 | --- | 10.71 | 0.00 | 974.43 |
| 35 | 982.81 | 4/10/06 | 8.96 | --- | 0.00 | --- | 12.12 | 0.00 | 973.85 |
| 36 | 983.02 | 4/10/06 | 8.60 | --- | 0.00 | --- | 13.38 | 0.00 | 974.42 |
| 37 | 980.37 | 4/10/06 | 5.91 | --- | 0.00 | --- | 12.17 | 0.00 | 974.46 |
| 38 | 980.77 | 4/10/06 | 4.72 | --- | 0.00 | --- | 13.70 | 0.00 | 976.05 |
| 40R | 991.60 | 4/6/06 | 17.40 | --- | 0.00 | --- | NM | 0.00 | 974.20 |
| 40R | 991.60 | 4/12/06 | 16.03 | --- | 0.00 | --- | NM | 0.00 | 975.57 |
| 40R | 991.60 | 4/19/06 | 17.85 | --- | 0.00 | --- | NM | 0.00 | 973.75 |
| 40R | 991.60 | 4/26/06 | 16.05 | --- | 0.00 | --- | NM | 0.00 | 975.55 |
| 42 | 988.33 | 4/11/06 | 12.62 | 12.61 | 0.01 | --- | 18.81 | 0.00 | 975.72 |
| 43 | 989.67 | 4/11/06 | 14.98 | 14.94 | 0.04 | --- | 22.83 | 0.00 | 974.73 |
| 44 | 988.33 | 4/11/06 | 12.40 | --- | 0.00 | --- | 18.96 | 0.00 | 975.93 |
| 47 | 991.09 | 4/11/06 | 18.87 | 17.68 | 1.19 | --- | 23.08 | 0.00 | 973.33 |
| 48 | 992.39 | 4/11/06 | 17.45 | 15.61 | 1.84 | --- | 22.68 | 0.00 | 976.65 |
| 49R | 988.71 | 4/11/06 | 15.37 | --- | 0.00 | --- | 24.88 | 0.00 | 973.34 |
| 49RR | 989.80 | 4/11/06 | 16.48 | --- | 0.00 | --- | 21.93 | 0.00 | 973.32 |
| 50 | 985.79 | 4/11/06 | 10.42 | 10.11 | 0.31 | --- | 23.45 | 0.00 | 975.66 |
| 51 | 985.38 | 4/11/06 | 11.72 | --- | 0.00 | --- | 23.95 | 0.00 | 973.66 |
| 52 | 985.18 | 4/4/06 | 12.00 | --- | 0.00 | --- | 23.85 | 0.00 | 973.18 |
| 52 | 985.18 | 4/11/06 | 11.88 | --- | 0.00 | --- | 23.91 | 0.00 | 973.30 |
| 53 | 986.90 | 4/11/06 | 13.95 | --- | 0.00 | --- | 25.57 | 0.00 | 972.95 |
| 54 | 985.78 | 4/11/06 | 13.30 | --- | 0.00 | --- | 25.60 | 0.00 | 972.48 |
| 55 | 989.45 | 4/11/06 | 17.16 | 16.47 | 0.69 | --- | 30.09 | 0.00 | 972.93 |
| 57 | 989.80 | 4/11/06 | 12.26 | 12.25 | 0.01 | --- | 17.10 | 0.00 | 977.55 |
| 58 | 985.79 | 4/11/06 | 13.73 | 13.71 | 0.02 | --- | 24.86 | 0.00 | 972.08 |
| 59 | 986.32 | 4/11/06 | 15.44 | --- | 0.00 | --- | 28.89 | 0.00 | 970.88 |
| 64 | 984.98 | 4/4/06 | 12.42 | --- | 0.00 | --- | 20.79 | 0.00 | 972.56 |
| 64 | 984.98 | 4/11/06 | 12.42 | --- | 0.00 | --- | 21.00 | 0.00 | 972.56 |
| 64R | 993.37 | 4/6/06 | 16.61 | 16.60 | 0.01 | --- | 19.00 | 0.00 | 976.77 |
| 64R | 993.37 | 4/12/06 | 16.73 | 16.71 | 0.02 | --- | 19.00 | 0.00 | 976.66 |
| 64R | 993.37 | 4/19/06 | 17.12 | 17.11 | 0.01 | --- | 19.00 | 0.00 | 976.26 |
| 64R | 993.37 | 4/26/06 | 16.48 | P | < 0.01 | --- | 19.00 | 0.00 | 976.89 |
| 64S | 984.48 | 4/6/06 | 19.15 | P | < 0.01 | --- | 28.70 | 0.00 | 965.33 |
| 64S | 984.48 | 4/12/06 | 19.18 | P | < 0.01 | --- | 28.70 | 0.00 | 965.30 |
| 64S | 984.48 | 4/19/06 | 19.18 | P | < 0.01 | --- | 28.70 | 0.00 | 965.30 |
| 64S | 984.48 | 4/26/06 | 19.20 | P | < 0.01 | --- | 28.70 | 0.00 | 965.28 |

**TABLE 21-8**
**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**
**April 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) |
|---|---|---|---|---|---|---|---|---|---|
| **East Street Area 2 - South (cont'd)** | | | | | | | | | |
| 64S-Caisson | NA | 4/6/06 | 11.08 | 11.03 | 0.05 | --- | 14.55 | 0.00 | NA |
| 64S-Caisson | NA | 4/12/06 | 11.25 | 11.20 | 0.05 | --- | 14.55 | 0.00 | NA |
| 64S-Caisson | NA | 4/19/06 | 11.30 | 11.20 | 0.10 | --- | 14.55 | 0.00 | NA |
| 64S-Caisson | NA | 4/26/06 | 10.60 | 10.58 | 0.02 | --- | 14.55 | 0.00 | NA |
| 64V | 987.29 | 4/6/06 | 22.20 | 21.60 | 0.60 | --- | 29.60 | 0.00 | 965.65 |
| 64V | 987.29 | 4/12/06 | 22.90 | 22.70 | 0.20 | P | 29.60 | < 0.01 | 964.58 |
| 64V | 987.29 | 4/19/06 | 22.00 | 21.70 | 0.30 | --- | 29.60 | 0.00 | 965.57 |
| 64V | 987.29 | 4/26/06 | 21.80 | 21.60 | 0.20 | P | 29.60 | < 0.01 | 965.68 |
| 64X(N) | 984.83 | 4/6/06 | 11.90 | 11.89 | 0.01 | --- | 15.85 | 0.00 | 972.94 |
| 64X(N) | 984.83 | 4/12/06 | 12.32 | 12.31 | 0.01 | --- | 15.85 | 0.00 | 972.52 |
| 64X(N) | 984.83 | 4/19/06 | 12.50 | P | < 0.01 | --- | 15.85 | 0.00 | 972.33 |
| 64X(N) | 984.83 | 4/26/06 | 12.00 | 11.99 | 0.01 | --- | 15.85 | 0.00 | 972.84 |
| 64X(S) | 981.56 | 4/6/06 | 15.04 | 15.01 | 0.03 | --- | 23.82 | 0.00 | 966.55 |
| 64X(S) | 981.56 | 4/12/06 | 15.50 | 15.47 | 0.03 | --- | 23.82 | 0.00 | 966.09 |
| 64X(S) | 981.56 | 4/19/06 | 15.70 | 15.60 | 0.10 | --- | 23.82 | 0.00 | 965.95 |
| 64X(S) | 981.56 | 4/26/06 | 15.10 | 15.09 | 0.01 | --- | 23.82 | 0.00 | 966.47 |
| 64X(W) | 984.87 | 4/6/06 | 18.25 | 18.20 | 0.05 | --- | 24.35 | 0.00 | 966.67 |
| 64X(W) | 984.87 | 4/12/06 | 18.80 | 18.76 | 0.04 | --- | 24.35 | 0.00 | 966.11 |
| 64X(W) | 984.87 | 4/19/06 | 18.95 | 18.85 | 0.10 | --- | 24.35 | 0.00 | 966.01 |
| 64X(W) | 984.87 | 4/26/06 | 18.30 | 18.26 | 0.04 | --- | 24.35 | 0.00 | 966.61 |
| 95-04 | 988.70 | 4/11/06 | 17.00 | 14.37 | 2.63 | --- | 21.68 | 0.00 | 974.15 |
| 95-05 | 989.45 | 4/11/06 | 16.04 | 15.75 | 0.29 | --- | 20.13 | 0.00 | 973.68 |
| 95-07 | 994.91 | 4/10/06 | 22.50 | 19.30 | 3.20 | --- | 29.31 | 0.00 | 975.39 |
| 3-6C-EB-14 | 984.20 | 4/10/06 | Well covered inside building | | | --- | -- | 0.00 | NA |
| 3-6C-EB-22 | 986.94 | 4/10/06 | 13.73 | --- | 0.00 | --- | 20.00 | 0.00 | 973.21 |
| 3-6C-EB-25 | 986.31 | 4/10/06 | 13.30 | --- | 0.00 | --- | 25.80 | 0.00 | 973.01 |
| 3-6C-EB-28 | 985.79 | 4/10/06 | 12.79 | --- | 0.00 | --- | 24.60 | 0.00 | 973.00 |
| E2SC-03I | 982.12 | 4/10/06 | 9.73 | --- | 0.00 | 34.25 | 42.45 | 8.20 | 972.39 |
| E2SC-17 | 985.38 | 4/10/06 | 11.55 | --- | 0.00 | --- | 45.75 | 0.00 | 973.83 |
| E2SC-21 | 981.70 | 4/11/06 | 8.59 | --- | 0.00 | --- | 8.73 | 0.00 | 973.11 |
| E2SC-23 | 992.07 | 4/4/06 | 16.42 | --- | 0.00 | --- | 20.94 | 0.00 | 975.65 |
| E2SC-23 | 992.07 | 4/11/06 | 16.62 | --- | 0.00 | --- | 21.23 | 0.00 | 975.45 |
| E2SC-24 | 987.90 | 4/5/06 | 14.71 | --- | 0.00 | --- | 21.62 | 0.00 | 973.19 |
| E2SC-24 | 987.90 | 4/11/06 | 15.33 | --- | 0.00 | --- | 21.64 | 0.00 | 972.57 |
| ES2-01 | 985.36 | 4/11/06 | 12.53 | --- | 0.00 | --- | 34.09 | 0.00 | 972.83 |
| ES2-02A | 979.63 | 4/5/06 | 5.21 | --- | 0.00 | --- | 17.40 | 0.00 | 974.42 |
| ES2-02A | 979.63 | 4/11/06 | 6.48 | --- | 0.00 | --- | 17.40 | 0.00 | 973.15 |
| ES2-05 | 990.65 | 4/10/06 | 16.68 | --- | 0.00 | --- | 24.25 | 0.00 | 973.97 |
| ES2-06 | 986.00 | 4/11/06 | 13.40 | --- | 0.00 | 42.34 | NM | NA | 972.60 |
| ES2-08 | 994.87 | 4/11/06 | 20.93 | --- | 0.00 | --- | 24.81 | 0.00 | 973.94 |
| ES2-09 | 991.25 | 4/12/06 | 13.45 | --- | 0.00 | --- | 17.40 | 0.00 | 977.80 |
| ES2-11 | 985.05 | 4/11/06 | 10.93 | --- | 0.00 | --- | 19.57 | 0.00 | 974.12 |
| ES2-16 | 986.88 | 4/11/06 | 11.65 | --- | 0.00 | --- | 17.31 | 0.00 | 975.23 |
| ES2-18 | 986.86 | 4/10/06 | 13.50 | --- | 0.00 | --- | 21.72 | 0.00 | 973.36 |
| GMA1-13 | 991.41 | 4/3/06 | 18.34 | --- | 0.00 | --- | 27.32 | 0.00 | 973.07 |
| GMA1-13 | 991.41 | 4/11/06 | 17.99 | --- | 0.00 | --- | 27.14 | 0.00 | 973.42 |
| GMA1-14 | 997.43 | 4/10/06 | 19.00 | 18.91 | 0.09 | --- | 23.25 | 0.00 | 978.51 |
| GMA1-15 | 988.59 | 4/10/06 | 15.68 | 15.14 | 0.54 | --- | 17.91 | 0.00 | 973.41 |
| GMA1-16 | 986.82 | 4/10/06 | 13.67 | 13.05 | 0.62 | --- | 20.50 | 0.00 | 973.73 |
| GMA1-17E | 993.03 | 4/10/06 | 15.28 | 15.22 | 0.06 | --- | 17.35 | 0.00 | 977.81 |
| GMA1-17W | 992.63 | 4/10/06 | 16.85 | 15.28 | 1.57 | --- | 23.30 | 0.00 | 977.24 |

**TABLE 21-8**
**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**
**April 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) |
|---|---|---|---|---|---|---|---|---|---|
| **East Street Area 2 - South (cont'd)** | | | | | | | | | |
| GMA1-19 | 984.28 | 4/5/06 | 11.37 | 10.80 | 0.57 | --- | 17.14 | 0.00 | 973.44 |
| GMA1-19 | 984.28 | 4/10/06 | 11.58 | 10.93 | 0.65 | --- | 17.19 | 0.00 | 973.30 |
| GMA1-19 | 984.28 | 4/18/06 | 11.58 | 11.15 | 0.43 | --- | 17.15 | 0.00 | 973.10 |
| GMA1-19 | 984.28 | 4/25/06 | 11.00 | 10.70 | 0.30 | --- | 17.13 | 0.00 | 973.56 |
| GMA1-20 | 983.49 | 4/5/06 | 10.30 | --- | 0.00 | --- | 17.30 | 0.00 | 973.19 |
| GMA1-20 | 983.49 | 4/10/06 | 10.40 | --- | 0.00 | --- | 17.70 | 0.00 | 973.09 |
| GMA1-20 | 983.49 | 4/18/06 | 10.65 | --- | 0.00 | --- | 17.31 | 0.00 | 972.84 |
| GMA1-20 | 983.49 | 4/25/06 | 10.15 | --- | 0.00 | --- | 17.30 | 0.00 | 973.34 |
| GMA1-21 | 985.68 | 4/5/06 | 12.40 | --- | 0.00 | --- | 19.48 | 0.00 | 973.28 |
| GMA1-21 | 985.68 | 4/10/06 | 13.53 | --- | 0.00 | --- | 19.41 | 0.00 | 972.15 |
| GMA1-21 | 985.68 | 4/18/06 | 12.80 | --- | 0.00 | --- | 19.46 | 0.00 | 972.88 |
| GMA1-21 | 985.68 | 4/25/06 | 13.35 | --- | 0.00 | --- | 19.48 | 0.00 | 972.33 |
| GMA1-22 | NA | 4/10/06 | 14.84 | --- | 0.00 | --- | 19.26 | 0.00 | NA |
| GMA1-23 | NA | 4/10/06 | 12.66 | --- | 0.00 | --- | 17.31 | 0.00 | NA |
| GMA1-24 | NA | 4/10/06 | 10.74 | --- | 0.00 | --- | 16.14 | 0.00 | NA |
| HR-C-RW-1 | NA | 4/10/06 | 8.31 | --- | 0.00 | --- | 23.80 | 0.00 | NA |
| HR-G1-MW-1 | 982.42 | 4/11/06 | 10.11 | --- | 0.00 | --- | 28.30 | 0.00 | 972.31 |
| HR-G1-MW-2 | 980.23 | 4/11/06 | 7.72 | --- | 0.00 | --- | 28.45 | 0.00 | 972.51 |
| HR-G1-MW-3 | 980.21 | 4/6/06 | 7.81 | --- | 0.00 | --- | 17.85 | 0.00 | 972.40 |
| HR-G1-MW-3 | 980.21 | 4/11/06 | 8.07 | --- | 0.00 | --- | 17.87 | 0.00 | 972.14 |
| HR-G2-MW-1 | 982.60 | 4/11/06 | 10.46 | --- | 0.00 | --- | 18.22 | 0.00 | 972.14 |
| HR-G2-MW-2 | 981.39 | 4/11/06 | 8.25 | --- | 0.00 | --- | 17.66 | 0.00 | 973.14 |
| HR-G2-MW-3 | 987.14 | 4/11/06 | 14.05 | --- | 0.00 | --- | 22.00 | 0.00 | 973.09 |
| HR-G2-RW-1 | 976.88 | 4/11/06 | 5.96 | --- | 0.00 | --- | 18.20 | 0.00 | 972.43 |
| HR-G3-MW-1 | 982.45 | 4/6/06 | 14.35 | --- | 0.00 | --- | 17.71 | 0.00 | 968.10 |
| HR-G3-MW-1 | 982.45 | 4/11/06 | 14.59 | --- | 0.00 | --- | 17.74 | 0.00 | 967.86 |
| HR-G3-MW-2 | 987.88 | 4/11/06 | 15.23 | --- | 0.00 | --- | 17.72 | 0.00 | 972.65 |
| HR-G3-RW-1 | 977.78 | 4/11/06 | 6.35 | --- | 0.00 | --- | 10.00 | 0.00 | 971.43 |
| HR-J1-MW-1 | 985.95 | 4/10/06 | 13.37 | --- | 0.00 | --- | 25.84 | 0.00 | 972.58 |
| HR-J1-MW-2 | 983.56 | 4/10/06 | 10.59 | --- | 0.00 | --- | 17.57 | 0.00 | 972.97 |
| HR-J1-MW-3 | 987.68 | 4/10/06 | 14.97 | --- | 0.00 | --- | 26.33 | 0.00 | 972.71 |
| HR-J1-RW-1 | 975.05 | 4/10/06 | 2.81 | --- | 0.00 | --- | 14.92 | 0.00 | 972.24 |
| M-R | 998.19 | 4/10/06 | 19.26 | 19.24 | 0.02 | --- | 29.29 | 0.00 | 978.95 |
| P3 | 989.25 | 4/11/06 | 5.05 | 5.04 | 0.01 | --- | 13.12 | 0.00 | 984.21 |
| PZ-1S | 989.93 | 4/11/06 | 17.50 | 17.48 | 0.02 | --- | 20.34 | 0.00 | 972.45 |
| PZ-6S | 984.13 | 4/12/06 | 12.15 | --- | 0.00 | --- | 13.24 | 0.00 | 971.98 |
| RW-1(S) | 987.23 | 4/6/06 | 19.30 | P | < 0.01 | --- | 28.60 | 0.00 | 967.93 |
| RW-1(S) | 987.23 | 4/12/06 | 20.00 | 19.90 | 0.10 | --- | 28.60 | 0.00 | 967.32 |
| RW-1(S) | 987.23 | 4/19/06 | 19.25 | 19.15 | 0.10 | --- | 28.60 | 0.00 | 968.07 |
| RW-1(S) | 987.23 | 4/26/06 | 19.80 | 19.78 | 0.02 | P | 28.60 | < 0.01 | 967.45 |
| RW-1(X) | 982.68 | 4/6/06 | 13.60 | --- | 0.00 | --- | 20.80 | 0.00 | 969.08 |
| RW-1(X) | 982.68 | 4/12/06 | 14.00 | --- | 0.00 | --- | 20.80 | 0.00 | 968.68 |
| RW-1(X) | 982.68 | 4/19/06 | 13.60 | --- | 0.00 | --- | 20.80 | 0.00 | 969.08 |
| RW-1(X) | 982.68 | 4/26/06 | 13.70 | --- | 0.00 | --- | 20.80 | 0.00 | 968.98 |
| RW-2(X) | 985.96 | 4/6/06 | 13.30 | --- | 0.00 | --- | 15.30 | 0.00 | 972.66 |
| RW-2(X) | 985.96 | 4/12/06 | 13.84 | --- | 0.00 | --- | 15.30 | 0.00 | 972.12 |
| RW-2(X) | 985.96 | 4/19/06 | 14.00 | --- | 0.00 | --- | 15.30 | 0.00 | 971.96 |
| RW-2(X) | 985.96 | 4/26/06 | 13.47 | --- | 0.00 | --- | 15.30 | 0.00 | 972.49 |
| RW-3(X) | 980.28 | 4/6/06 | 8.40 | --- | 0.00 | 43.10 | 44.40 | 1.30 | 971.88 |
| RW-3(X) | 980.28 | 4/12/06 | 8.90 | --- | 0.00 | 42.50 | 44.40 | 1.90 | 971.38 |
| RW-3(X) | 980.28 | 4/19/06 | 8.10 | --- | 0.00 | 42.70 | 44.40 | 1.70 | 972.18 |
| RW-3(X) | 980.28 | 4/26/06 | 8.70 | --- | 0.00 | 42.90 | 44.40 | 1.50 | 971.58 |
| TMP-1 | 992.74 | 4/11/06 | 19.60 | --- | 0.00 | --- | 21.93 | 0.00 | 973.14 |

**TABLE 21-8**
**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**
**April 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) |
|---|---|---|---|---|---|---|---|---|---|
| **Housatonic River** | | | | | | | | | |
| SG-HR-1 | 990.73 | 4/5/06 | 18.60 | See Note 7 regarding depth to water | | | | | 972.13 |
| SG-HR-1 | 990.73 | 4/11/06 | 19.40 | See Note 7 regarding depth to water | | | | | 971.33 |
| SG-HR-1 | 990.73 | 4/18/06 | 19.30 | See Note 7 regarding depth to water | | | | | 971.43 |
| SG-HR-1 | 990.73 | 4/25/06 | 18.35 | See Note 7 regarding depth to water | | | | | 972.38 |

Notes:

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

**TABLE 21-9**
**ACTIVE RECOVERY SYSTEMS MONTHLY SUMMARY**
**LYMAN STREET AREA**
**GROUNDWATER MANAGEMENT AREA 1**

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

| Month / Year | Volume Water Pumped (gallon) | RW-1 DNAPL Recovered (gallon) | RW-1R LNAPL Recovered (gallon) | RW-3 LNAPL Recovered (gallon) |
|---|---|---|---|---|
| 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 | -- | -- | -- |
| April 2006 | 245,626 | -- | -- | -- |

Notes:
1. Volume of water pumped is total from Wells RW-1R, RW-2, and RW-3.
2. -- indicates LNAPL or DNAPL was not recovered by the system.
3. There was no downtime during April 2006.

**TABLE 21-10**
**MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL**
**LYMAN STREET AREA**
**GROUNDWATER MANAGEMENT AREA 1**

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

| Well Name | Date | Depth to Water (ft BMP) | Depth to DNAPL (ft BMP) | DNAPL Thickness (feet) | DNAPL Removed (liters) | April 2006 Removal (liters) |
|---|---|---|---|---|---|---|
| LSSC-07 | 4/5/06 | 10.18 | 24.90 | 0.18 | 0.111 | 0.253 |
| | 4/18/06 | 10.91 | 24.85 | 0.23 | 0.142 | |
| LSSC-08I | 4/18/06 | 12.43 | 23.32 | 0.04 | 0.025 | 0.025 |

**Total Manual DNAPL Removal for April 2006: 0.278 liters**
**0.073 gallons**

Note:
1. ft BMP - feet Below Measuring Point.

**TABLE 21-11**
**ROUTINE WELL MONITORING**
**LYMAN STREET AREA**
**GROUNDWATER MANAGEMENT AREA 1**

**CONSENT DECREE MONTHLY STATUS REPORT**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**April 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-2 | 978.06 | 4/11/06 | Well Destroyed | | 0.00 | --- | --- | 0.00 | NA |
| E-04 | 987.98 | 4/12/06 | 15.40 | --- | 0.00 | --- | 24.53 | 0.00 | 972.58 |
| E-07 | 982.87 | 4/11/06 | 6.83 | --- | 0.00 | --- | 19.68 | 0.00 | 976.04 |
| EPA-01 | 983.04 | 4/11/06 | 12.05 | --- | 0.00 | --- | 22.64 | 0.00 | 970.99 |
| GMA1-5 | 979.50 | 4/11/06 | 8.37 | --- | 0.00 | --- | 13.67 | 0.00 | 971.13 |
| LS-02 | 983.32 | 4/12/06 | 10.15 | --- | 0.00 | --- | 17.37 | 0.00 | 973.17 |
| LS-04 | 984.51 | 4/11/06 | 11.70 | --- | 0.00 | 17.87 | 18.13 | 0.26 | 972.81 |
| LS-12 | 985.49 | 4/11/06 | 13.23 | --- | 0.00 | --- | 26.50 | 0.00 | 972.26 |
| LS-13 | 984.65 | 4/11/06 | Well Buried | | 0.00 | --- | --- | 0.00 | NA |
| LS-20 | 985.64 | 4/12/06 | 4.58 | --- | 0.00 | --- | 17.26 | 0.00 | 981.06 |
| LS-21 | 983.42 | 4/11/06 | 11.20 | 10.73 | 0.47 | --- | 12.40 | 0.00 | 972.66 |
| LS-23 | 984.38 | 4/11/06 | 12.07 | 11.78 | 0.29 | --- | 15.30 | 0.00 | 972.58 |
| LS-24 | 986.58 | 4/12/06 | Covered by Pallet | | 0.00 | --- | --- | 0.00 | NA |
| LS-29 | 988.25 | 4/5/06 | 14.00 | --- | 0.00 | --- | 34.64 | 0.00 | 974.25 |
| LS-29 | 988.25 | 4/11/06 | 14.16 | --- | 0.00 | --- | 34.53 | 0.00 | 974.09 |
| LS-30 | 986.440 | 4/11/06 | 13.90 | --- | 0.00 | 22.10 | 22.20 | 0.10 | 972.54 |
| LS-31 | 987.090 | 4/11/06 | 13.95 | --- | 0.00 | 23.05 | 23.30 | 0.25 | 973.14 |
| LS-32 | 985.75 | 4/11/06 | 13.75 | --- | 0.00 | --- | 22.61 | 0.00 | 972.00 |
| LS-33 | 986.42 | 4/11/06 | 15.05 | --- | 0.00 | --- | 20.55 | 0.00 | 971.37 |
| LS-34 | 985.79 | 4/11/06 | 13.66 | --- | 0.00 | 28.52 | 28.53 | 0.01 | 972.13 |
| LS-35 | 986.80 | 4/11/06 | 14.65 | 14.21 | 0.44 | --- | 21.63 | 0.00 | 972.56 |
| LS-38 | 986.95 | 4/11/06 | 15.48 | --- | 0.00 | --- | 25.05 | 0.00 | 971.47 |
| LS-41 | 986.41 | 4/11/06 | 15.58 | --- | 0.00 | --- | 22.67 | 0.00 | 970.83 |
| LS-43 | 981.17 | 4/11/06 | Obstructed at 6.32 ft BM | | 0.00 | --- | 23.95 | 0.00 | NA |
| LS-44 | 980.78 | 4/11/06 | 9.54 | --- | 0.00 | --- | 24.74 | 0.00 | 971.24 |
| LSSC-06 | 984.91 | 4/11/06 | 11.60 | 11.59 | 0.01 | --- | 19.35 | 0.00 | 973.32 |
| LSSC-07 | 982.48 | 4/5/06 | 10.18 | --- | 0.00 | 24.90 | 25.08 | 0.18 | 972.30 |
| LSSC-07 | 982.48 | 4/11/06 | 12.20 | --- | 0.00 | --- | 23.35 | 0.00 | 970.28 |
| LSSC-07 | 982.48 | 4/18/06 | 10.91 | --- | 0.00 | 24.85 | 25.08 | 0.23 | 971.57 |
| LSSC-07 | 982.48 | 4/25/06 | 10.15 | --- | 0.00 | 24.85 | 25.08 | 0.23 | 972.33 |
| LSSC-08I | 983.13 | 4/5/06 | 11.40 | --- | 0.00 | --- | 23.36 | 0.00 | 971.73 |
| LSSC-08I | 983.13 | 4/11/06 | 10.71 | --- | 0.00 | 24.85 | 25.08 | 0.23 | 972.42 |
| LSSC-08I | 983.13 | 4/18/06 | 12.43 | --- | 0.00 | 23.32 | 23.36 | 0.04 | 970.70 |
| LSSC-08I | 983.13 | 4/25/06 | 11.50 | --- | 0.00 | --- | 23.39 | 0.00 | 971.63 |
| LSSC-08S | 983.11 | 4/5/06 | 11.48 | --- | 0.00 | --- | 14.73 | 0.00 | 971.63 |
| LSSC-08S | 983.11 | 4/11/06 | 12.24 | --- | 0.00 | --- | 14.66 | 0.00 | 970.87 |
| LSSC-09 | 985.06 | 4/11/06 | 12.76 | --- | 0.00 | --- | 19.28 | 0.00 | 972.30 |
| LSSC-16I | 980.88 | 4/11/06 | 9.01 | --- | 0.00 | --- | 28.53 | 0.00 | 971.87 |
| LSSC-16S | 981.37 | 4/6/06 | 9.19 | --- | 0.00 | --- | 13.76 | 0.00 | 972.18 |
| LSSC-16S | 981.37 | 4/11/06 | 9.40 | --- | 0.00 | --- | 14.00 | 0.00 | 971.97 |
| LSSC-18 | 987.32 | 4/7/06 | 14.45 | --- | 0.00 | --- | 19.15 | 0.00 | 972.87 |
| LSSC-18 | 987.32 | 4/11/06 | 14.53 | --- | 0.00 | --- | 18.57 | 0.00 | 972.79 |
| LSSC-32 | 980.68 | 4/11/06 | 9.18 | --- | 0.00 | --- | 35.21 | 0.00 | 971.50 |
| LSSC-33 | 980.49 | 4/11/06 | 8.94 | --- | 0.00 | --- | 29.71 | 0.00 | 971.55 |
| LSSC-34I | 984.74 | 4/11/06 | 13.14 | 13.13 | 0.01 | --- | 28.47 | 0.00 | 971.61 |
| LSSC-34S | 985.01 | 4/11/06 | 13.45 | --- | 0.00 | --- | 17.03 | 0.00 | 971.56 |

**TABLE 21-11**
**ROUTINE WELL MONITORING**
**LYMAN STREET AREA**
**GROUNDWATER MANAGEMENT AREA 1**

**CONSENT DECREE MONTHLY STATUS REPORT**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**April 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-3R | 983.54 | 4/11/06 | 10.33 | --- | 0.00 | --- | 14.92 | 0.00 | 973.21 |
| MW-4R | 980.82 | 4/7/06 | 9.16 | --- | 0.00 | --- | 13.76 | 0.00 | 971.66 |
| MW-4R | 980.82 | 4/12/06 | 9.40 | --- | 0.00 | --- | 14.05 | 0.00 | 971.42 |
| MW-6R | 985.14 | 4/11/06 | 11.07 | --- | 0.00 | --- | 13.91 | 0.00 | 974.07 |
| RW-1 | 984.88 | 4/6/06 | 12.35 | --- | 0.00 | P | 21.00 | < 0.01 | 972.53 |
| RW-1 | 984.88 | 4/12/06 | 12.53 | P | < 0.01 | P | 21.00 | < 0.01 | 972.35 |
| RW-1 | 984.88 | 4/19/06 | 12.60 | --- | 0.00 | P | 21.00 | < 0.01 | 972.28 |
| RW-1 | 984.88 | 4/26/06 | 12.35 | --- | 0.00 | P | 21.00 | < 0.01 | 972.53 |
| RW-1 (R) | 985.07 | 4/6/06 | 15.60 | --- | 0.00 | P | 20.42 | < 0.01 | 969.47 |
| RW-1 (R) | 985.07 | 4/12/06 | 15.95 | --- | 0.00 | P | 20.42 | < 0.01 | 969.12 |
| RW-1 (R) | 985.07 | 4/19/06 | 15.90 | --- | 0.00 | 20.22 | 20.42 | 0.20 | 969.17 |
| RW-1 (R) | 985.07 | 4/26/06 | 16.00 | P | < 0.01 | P | 20.42 | < 0.01 | 969.07 |
| RW-2 | 987.82 | 4/6/06 | 13.95 | --- | 0.00 | --- | 21.75 | 0.00 | 973.87 |
| RW-2 | 987.82 | 4/12/06 | 14.28 | --- | 0.00 | --- | 21.75 | 0.00 | 973.54 |
| RW-2 | 987.82 | 4/19/06 | 14.40 | --- | 0.00 | --- | 21.75 | 0.00 | 973.42 |
| RW-2 | 987.82 | 4/26/06 | 13.90 | --- | 0.00 | --- | 21.75 | 0.00 | 973.92 |
| RW-3 | 984.08 | 4/6/06 | 16.27 | 16.25 | 0.02 | --- | 21.57 | 0.00 | 967.83 |
| RW-3 | 984.08 | 4/12/06 | 16.35 | 16.33 | 0.02 | --- | 21.57 | 0.00 | 967.75 |
| RW-3 | 984.08 | 4/19/06 | 16.80 | 16.78 | 0.02 | --- | 21.57 | 0.00 | 967.30 |
| RW-3 | 984.08 | 4/26/06 | 16.40 | --- | 0.00 | --- | 21.57 | 0.00 | 967.68 |
| **Housatonic River (Lyman Street Bridge)** | | | | | | | | | |
| BM-2A | 986.32 | 4/5/06 | 15.05 | See Note 5 regarding depth to water | | | | | 971.27 |
| BM-2A | 986.32 | 4/11/06 | 16.12 | See Note 5 regarding depth to water | | | | | 970.20 |
| BM-2A | 986.32 | 4/18/06 | 16.32 | See Note 5 regarding depth to water | | | | | 970.00 |
| BM-2A | 986.32 | 4/25/06 | 15.15 | See Note 5 regarding depth to water | | | | | 971.17 |

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 21-12**
**ACTIVE DNAPL RECOVERY SYSTEMS MONTHLY SUMMARY**
**NEWELL STREET AREA II**
**GROUNDWATER MANAGEMENT AREA 1**

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

| Recovery System | Date | Total Gallons Recovered |
|---|---|---|
| **System 1** [(1)] | April 2005 | 24.2 |
| | May 2005 | 9.9 |
| | June 2005 | 18.7 |
| | July 2005 | 14.3 |
| | August 2005 | --[(4)] |
| | September 2005 | --[(4)] |
| | October 2005 | --[(4)] |
| | November 2005 | --[(4)] |
| | December 2005 | --[(4)] |
| | January 2006 | --[(4)] |
| | February 2006 | --[(4)] |
| | March 2006 | --[(4)] |
| | April 2006 | --[(4)] |
| **System 2** [(2)] | April 2005 | 16.2 |
| | May 2005 | 145.8 |
| | June 2005 | 32.4 |
| | July 2005 | 48.6 |
| | August 2005 | --[(4)] |
| | September 2005 | --[(4)] |
| | October 2005 | --[(4)] |
| | November 2005 | --[(4)] |
| | December 2005 | --[(4)] |
| | January 2006 | --[(4)] |
| | February 2006 | --[(4)] |
| | March 2006 | --[(4)] |
| | April 2006 | --[(4)] |
| **Total Automated DNAPL Removal for April 2006:** | | **0.0 Gallons** |

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 21-13**
**ROUTINE WELL MONITORING**
**NEWELL STREET AREA II**
**GROUNDWATER MANAGEMENT AREA 1**

**CONSENT DECREE MONTHLY STATUS REPORT**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**April 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) |
|---|---|---|---|---|---|---|---|---|---|
| GMA1-8 | 981.66 | 4/13/2006 | 9.47 | --- | 0.00 | --- | 16.25 | 0.00 | 972.19 |
| GMA1-9 | 982.36 | 4/12/2006 | 9.61 | --- | 0.00 | --- | 14.34 | 0.00 | 972.75 |
| MW-1D | 987.20 | 4/13/2006 | 14.08 | --- | 0.00 | --- | 39.55 | 0.00 | 973.12 |
| MW-1S | 986.60 | 4/13/2006 | 11.41 | --- | 0.00 | 20.30 | 20.40 | 0.10 | 975.19 |
| N2SC-01I | 984.99 | 4/5/2006 | 12.65 | --- | 0.00 | 37.2 | 41.69 | 4.49 | 972.34 |
| N2SC-01I | 984.99 | 4/13/2006 | 13.15 | --- | 0.00 | --- | 38.80 | 0.00 | 971.84 |
| N2SC-01I | 984.99 | 4/18/2006 | 13.20 | --- | 0.00 | 37.5 | 41.70 | 4.20 | 971.79 |
| N2SC-01I | 984.99 | 4/25/2006 | 12.48 | --- | 37.6 | --- | 41.70 | 0.00 | 1,007.48 |
| N2SC-01I(R) | 985.98 | 4/5/06 | 12.85 | --- | 0.00 | 40.7 | 40.78 | 0.08 | 973.13 |
| N2SC-01I(R) | 985.98 | 4/12/06 | 13.21 | --- | 0.00 | --- | 40.52 | 0.00 | 972.77 |
| N2SC-01I(R) | 985.98 | 4/18/06 | 13.40 | --- | 0.00 | 40.3 | 40.70 | 0.40 | 972.58 |
| N2SC-01I(R) | 985.98 | 4/25/06 | 12.70 | --- | 0.00 | 40.3 | 40.6 | 0.30 | 973.28 |
| N2SC-02 | 985.56 | 4/13/06 | 12.98 | --- | 0.00 | --- | 40.50 | 0.00 | 972.58 |
| N2SC-03I | 985.33 | 4/5/06 | 13.00 | --- | 0.00 | 38.3 | 40.85 | 2.55 | 972.33 |
| N2SC-03I | 985.33 | 4/13/06 | 13.50 | --- | 0.00 | 38.4 | 41.00 | 2.60 | 971.83 |
| N2SC-03I | 985.33 | 4/18/06 | 13.46 | --- | 0.00 | 38.25 | 40.84 | 2.59 | 971.87 |
| N2SC-03I | 985.33 | 4/25/06 | 12.80 | --- | 0.00 | 38.26 | 40.8 | 2.54 | 972.53 |
| N2SC-03I(R) | 986.08 | 4/3/06 | 13.28 | --- | 0.00 | --- | 37.83 | 0.00 | 972.80 |
| N2SC-03I(R) | 986.08 | 4/5/06 | 12.55 | --- | 0.00 | --- | 37.86 | 0.00 | 973.53 |
| N2SC-03I(R) | 986.08 | 4/12/06 | 12.70 | --- | 0.00 | --- | 37.87 | 0.00 | 973.38 |
| N2SC-03I(R) | 986.08 | 4/18/06 | 13.08 | --- | 0.00 | --- | 37.86 | 0.00 | 973.00 |
| N2SC-03I(R) | 986.08 | 4/25/06 | 12.40 | --- | 0.00 | --- | 37.9 | 0.00 | 973.68 |
| N2SC-07 | 984.61 | 4/12/06 | 12.29 | --- | 0.00 | 37.98 | 38.14 | 0.16 | 972.32 |
| N2SC-07S | 982.93 | 4/7/06 | 10.34 | --- | 0.00 | --- | 18.91 | 0.00 | 972.59 |
| N2SC-07S | 982.93 | 4/12/06 | 10.52 | --- | 0.00 | --- | 18.90 | 0.00 | 972.41 |
| N2SC-08 | 986.07 | 4/12/06 | 18.68 | --- | 0.00 | 40.65 | 42.55 | 1.90 | 967.39 |
| N2SC-09I | 987.77 | 4/12/06 | 11.08 | --- | 40.86 | --- | 18.30 | 0.00 | 1,014.69 |
| N2SC-13I | 984.75 | 4/12/06 | 11.12 | --- | 0.00 | 40.27 | 41.00 | 0.73 | 973.63 |
| N2SC-14 | 985.06 | 4/5/06 | 13.60 | --- | 0.00 | 38.48 | 40.10 | 1.62 | 971.46 |
| N2SC-14 | 985.06 | 4/12/06 | 14.07 | --- | 0.00 | 38.45 | 40.10 | 1.65 | 970.99 |
| N2SC-14 | 985.06 | 4/18/06 | 14.40 | --- | 0.00 | 38.6 | 40.24 | 1.64 | 970.66 |
| N2SC-14 | 985.06 | 4/25/06 | 13.65 | --- | 0.00 | 38.55 | 40.25 | 1.70 | 971.41 |
| N2SC-16 | 985.62 | 4/13/06 | 15.52 | --- | 0.00 | --- | 41.40 | 0.00 | 970.10 |
| NS-10 | 984.59 | 4/12/06 | 10.35 | --- | 0.00 | --- | 19.09 | 0.00 | 974.24 |
| NS-15 | 982.76 | 4/5/06 | Well is Gone | | | | --- | 0.00 | NA |
| NS-15 | 982.76 | 4/12/06 | Well is Gone | | | | --- | 0.00 | NA |
| NS-15 | 982.76 | 4/18/06 | Well is Gone | | | | --- | 0.00 | NA |
| NS-15 | 982.76 | 4/25/06 | Well is Gone | | | | --- | 0.00 | NA |
| NS-16 | 984.46 | 4/13/06 | 10.20 | --- | 0.00 | --- | 19.75 | 0.00 | 974.26 |
| NS-17 | 984.64 | 4/7/06 | 12.01 | --- | 0.00 | --- | 18.84 | 0.00 | 972.63 |
| NS-20 | 985.29 | 4/13/06 | 6.27 | --- | 0.00 | --- | 15.03 | 0.00 | 979.02 |
| NS-30 | 985.99 | 4/5/06 | 11.90 | --- | 0.00 | 36.92 | 37.15 | 0.23 | 974.09 |
| NS-30 | 985.99 | 4/13/06 | 12.40 | --- | 0.00 | 37 | 37.25 | 0.25 | 973.59 |
| NS-30 | 985.99 | 4/18/06 | 11.82 | --- | 0.00 | 36.2 | 36.55 | 0.35 | 974.17 |
| NS-30 | 985.99 | 4/25/06 | 11.73 | --- | 0.00 | 36.9 | 37.15 | 0.25 | 974.26 |
| NS-32 | 986.20 | 4/5/06 | 12.50 | --- | 0.00 | --- | 40.00 | 0.00 | 973.70 |
| NS-32 | 986.20 | 4/11/06 | 12.80 | --- | 0.00 | --- | 39.92 | 0.00 | 973.40 |
| NS-32 | 986.20 | 4/18/06 | 13.08 | --- | 0.00 | 39.75 | 39.90 | 0.15 | 973.12 |
| NS-32 | 986.20 | 4/25/06 | 12.30 | --- | 0.00 | 39.75 | 39.94 | 0.19 | 973.90 |
| NS-37 | 986.20 | 4/12/06 | 14.15 | --- | 0.00 | --- | 23.62 | 0.00 | 972.05 |

Notes:

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

**TABLE 21-14**
**ROUTINE WELL MONITORING**
**NEWELL STREET AREA I**
**GROUNDWATER MANAGEMENT AREA 1**

**CONSENT DECREE MONTHLY STATUS REPORT**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**April 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) |
|---|---|---|---|---|---|---|---|---|---|
| FW-16R | 986.51 | 4/17/06 | 8.21 | --- | 0.00 | --- | 20.34 | 0.00 | 978.30 |
| IA-9R | 984.14 | 4/17/06 | 11.20 | --- | 0.00 | --- | 16.90 | 0.00 | 972.94 |
| MM-1 | 988.04 | 4/17/06 | 11.70 | --- | 0.00 | --- | 19.40 | 0.00 | 976.34 |
| SZ-1 | 984.98 | 4/17/06 | 8.35 | --- | 0.00 | --- | 16.05 | 0.00 | 976.63 |

Notes:

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

**TABLE 21-15**
**ROUTINE WELL MONITORING**
**SILVER LAKE AREA**
**GROUNDWATER MANAGEMENT AREA 1**

**CONSENT DECREE MONTHLY STATUS REPORT**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**April 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) |
|---|---|---|---|---|---|---|---|---|---|
| **Monitoring Wells Adjacent to Silver Lake** | | | | | | | | | |
| SLGW-01D | 983.13 | 4/10/06 | 4.59 | --- | 0.00 | --- | 37.11 | 0.00 | 978.54 |
| SLGW-01S | 982.94 | 4/10/06 | 6.33 | --- | 0.00 | --- | 16.28 | 0.00 | 976.61 |
| SLGW-02D | 985.10 | 4/10/06 | 7.42 | --- | 0.00 | --- | 36.96 | 0.00 | 977.68 |
| SLGW-02S | 985.39 | 4/10/06 | 7.67 | --- | 0.00 | --- | 8.27 | 0.00 | 977.72 |
| SLGW-03D | 979.14 | 4/10/06 | 1.23 | --- | 0.00 | --- | 32.13 | 0.00 | 977.91 |
| SLGW-03S | 980.21 | 4/10/06 | 3.59 | --- | 0.00 | --- | 14.68 | 0.00 | 976.62 |
| SLGW-04D | 983.51 | 4/10/06 | 6.21 | --- | 0.00 | --- | 37.22 | 0.00 | 977.30 |
| SLGW-04S | 984.02 | 4/10/06 | 7.38 | --- | 0.00 | --- | 16.77 | 0.00 | 976.64 |
| SLGW-05D | 979.30 | 4/10/06 | 2.83 | --- | 0.00 | --- | 35.04 | 0.00 | 976.47 |
| SLGW-05S | 979.12 | 4/10/06 | 2.55 | --- | 0.00 | --- | 11.73 | 0.00 | 976.57 |
| SLGW-06D | 981.63 | 4/10/06 | 5.95 | --- | 0.00 | --- | 35.10 | 0.00 | 975.68 |
| SLGW-06S | 981.66 | 4/10/06 | 4.96 | --- | 0.00 | --- | 13.83 | 0.00 | 976.70 |
| **Staff Gauge within Silver Lake** | | | | | | | | | |
| Silver Lake Gauge | 980.30 | 4/5/06 | 3.28 | See Note 4 regarding depth to water | | | | | 983.58 |
| Silver Lake Gauge | 980.30 | 4/10/06 | 3.75 | See Note 4 regarding depth to water | | | | | 984.05 |
| Silver Lake Gauge | 980.30 | 4/11/06 | 3.80 | See Note 4 regarding depth to water | | | | | 984.10 |
| Silver Lake Gauge | 980.30 | 4/18/06 | 3.78 | See Note 4 regarding depth to water | | | | | 984.08 |
| Silver Lake Gauge | 980.30 | 4/25/06 | 3.85 | See Note 4 regarding depth to water | | | | | 984.15 |

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 refers 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)
# (GECD320)
# APRIL 2006

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

**a. Activities Undertaken/Completed**

- Conducted semi-annual groundwater and river elevation monitoring.
- Performed spring 2006 interim groundwater sampling activities.

**b. Sampling/Test Results Received**

- See attached tables.
- Preliminary analytical results received in April 2006 from the spring 2006 GMA 2 interim groundwater quality monitoring activities consist of the results for PCBs in a filtered sample from well GMA2-9, as shown in Table 22-2. These preliminary results do not show an exceedance of the MCP UCL or GW-3 standard for PCBs.

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

None

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

Continue routine river elevation monitoring.

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

No issues

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

None

**TABLE 22-1**
**DATA RECEIVED AND/OR SAMPLES COLLECTED DURING APRIL 2006**

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Semi-Annual Groundwater Sampling | GMA-DUP-3 (GMA2-1) | 4/17/06 | Water | SGS | PCB (f) | |
| Semi-Annual Groundwater Sampling | GMA2-1 | 4/17/06 | Water | SGS | PCB (f) | |
| Semi-Annual Groundwater Sampling | GMA2-4 | 4/11/06 | Water | SGS | PCB (f) | Cancelled |
| Semi-Annual Groundwater Sampling | GMA2-4 | 4/19/06 | Water | SGS | PCB (f) | |
| Semi-Annual Groundwater Sampling | GMA2-9 | 4/14/06 | Water | SGS | PCB (f) | 4/26/06 |

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

**TABLE 22-2**
**DATA RECEIVED DURING APRIL 2006**

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

| Parameter / Sample ID: / Date Collected: | GMA2-9 4/14/06 |
|---|---|
| **PCBs-Filtered** | |
| Aroclor-1254 | 0.000076 |
| Total PCBs | 0.000076 |

Notes:
1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs (filtered).
2. Only detected constituents are summarized.

**TABLE 22-3**
**ROUTINE WELL MONITORING**
**GROUNDWATER MANAGEMENT AREA 2**

**CONSENT DECREE MONTHLY STATUS REPORT**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**April 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) |
|---|---|---|---|---|---|---|---|---|---|
| **Former Oxbow Area J** | | | | | | | | | |
| GMA 2-1 | 991.36 | 4/13/2006 | 15.33 | --- | 0.00 | --- | 26.95 | 0.00 | 976.03 |
| GMA 2-2 | 991.19 | 4/13/2006 | 17.28 | --- | 0.00 | --- | 24.92 | 0.00 | 973.91 |
| GMA 2-3 | 991.48 | 4/13/2006 | 14.51 | --- | 0.00 | --- | 18.24 | 0.00 | 976.97 |
| GMA 2-6 | 989.73 | 4/13/2006 | 14.94 | --- | 0.00 | --- | 23.22 | 0.00 | 974.79 |
| GMA 2-7 | 989.64 | 4/13/2006 | 14.65 | --- | 0.00 | --- | 18.25 | 0.00 | 974.99 |
| J-1R | 988.25 | 4/17/06 | 14.78 | --- | 0.00 | --- | 21.18 | 0.00 | 973.47 |
| MW-1 | 994.47 | 4/13/06 | 11.70 | --- | 0.00 | --- | 19.19 | 0.00 | 982.77 |
| MW-2 | 991.64 | 4/17/06 | 14.10 | --- | 0.00 | --- | 16.80 | 0.00 | 977.54 |
| **Former Oxbow Area K** | | | | | | | | | |
| GMA 2-4 | 983.41 | 4/11/06 | 8.83 | --- | 0.00 | --- | 18.12 | 0.00 | 974.58 |
| GMA 2-4 | 983.41 | 4/19/06 | 8.97 | --- | 0.00 | --- | 17.86 | 0.00 | 974.44 |
| GMA 2-5 | 985.85 | 4/17/06 | 9.65 | --- | 0.00 | --- | 16.00 | 0.00 | 976.20 |
| GMA 2-8 | 982.30 | 4/17/06 | 8.30 | --- | 0.00 | --- | 17.35 | 0.00 | 974.00 |
| GMA 2-9 | 981.29 | 4/14/06 | 7.54 | --- | 0.00 | --- | 17.50 | 0.00 | 973.75 |
| **Housatonic River (Foot Bridge)** | | | | | | | | | |
| GMA2-SG-1 | 989.82 | 4/17/06 | 16.84 | See Note 3 regarding depth to water | | | | | 972.98 |

Notes:

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

# ITEM 23
# GROUNDWATER MANAGEMENT AREAS
# PLANT SITE 2 (GMA 3)
# (GECD330)
# APRIL 2006

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

**a. Activities Undertaken/Completed**

- Conducted routine groundwater elevation and NAPL monitoring, including semi-annual monitoring round. Approximately 13.632 liters (3.60 gallons) of LNAPL were removed by the automatic skimmer located in well 51-21 and an additional 1.297 liters (0.34 gallon) of LNAPL were manually removed from the wells in this area (see Table 23-2).

- Performed spring 2006 baseline and interim groundwater sampling activities (see Item 23.f 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 ongoing groundwater and NAPL monitoring and recovery activities.

- Submit revised proposal to evaluate the potential volatilization of constituents observed in well 51-8 into the indoor air of Building 51 (see Item 23.e).

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

In its Spring 2005 and Fall 2005 Baseline Groundwater Quality and NAPL Monitoring Interim Reports (submitted on August 30, 2005, and February 27, 2006, respectively), 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. EPA has expressed its disagreement with that proposal and directed GE to submit a revised proposal that includes an alternate approach.

**ITEM 23**
**(cont'd)**
**GROUNDWATER MANAGEMENT AREAS**
**PLANT SITE 2 (GMA 3)**
**(GECD330)**
**APRIL 2006**

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

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. The sampling-related proposals were verbally approved by EPA on April 20, 2006, and implemented during the April 2006 sampling event.

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

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Semi-Annual Groundwater Sampling | 111A-R | 4/24/06 | Water | SGS | VOC, Natural Attenuation | |
| Semi-Annual Groundwater Sampling | 111B-R | 4/25/06 | Water | SGS | PCB, PCB (f), VOC, SVOC, Metals, Metals (f), EPA CN, EPA CN (f), Sulfide, PCDD/PCDF. Natural Attenuation | |
| Semi-Annual Groundwater Sampling | 114B-R | 4/20/06 | Water | SGS | PCB, PCB (f), VOC, Natural Attenuation | |
| Semi-Annual Groundwater Sampling | 16B-R | 4/20/06 | Water | SGS | VOC, Natural Attenuation | |
| Semi-Annual Groundwater Sampling | 16C-R | 4/26/06 | Water | SGS | VOC, Natural Attenuation | |
| Semi-Annual Groundwater Sampling | 2A | 4/19/06 | Water | SGS | VOC, SVOC (Limited), Natural Attenuation | |
| Semi-Annual Groundwater Sampling | 39B-R | 4/20/06 | Water | SGS | VOC, SVOC (Limited), Natural Attenuation | |
| Semi-Annual Groundwater Sampling | 39D-R | 4/20/06 | Water | SGS | VOC, Natural Attenuation | |
| Semi-Annual Groundwater Sampling | 39E | 4/20/06 | Water | SGS | VOC, Natural Attenuation | |
| Semi-Annual Groundwater Sampling | 43A | 4/19/06 | Water | SGS | VOC, Natural Attenuation | |
| Semi-Annual Groundwater Sampling | 43B | 4/19/06 | Water | SGS | VOC, Natural Attenuation | |
| Semi-Annual Groundwater Sampling | 54B-R | 4/26/06 | Water | SGS | PCB, PCB (f), SVOC, CN, CN (f), PCDD/PCDF, Sulfide | |
| Semi-Annual Groundwater Sampling | 54B-R | 4/28/06 | Water | SGS | VOC, Metals, Metals (f), Pest, Herb | |
| Semi-Annual Groundwater Sampling | 6B-R | 4/19/06 | Water | SGS | VOC | |
| Semi-Annual Groundwater Sampling | 82B-R | 4/26/06 | Water | SGS | PCB, PCB (f), VOC, SVOC, Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest, Herb | |
| Semi-Annual Groundwater Sampling | 90A | 4/25/06 | Water | SGS | VOC, Natural Attenuation | |
| Semi-Annual Groundwater Sampling | 90B | 4/25/06 | Water | SGS | VOC, Natural Attenuation | |
| Semi-Annual Groundwater Sampling | 95B-R | 4/26/06 | Water | SGS | PCB, PCB (f), VOC, VOC (Expanded List), Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest. Herb. Natural Attenuation | |
| Semi-Annual Groundwater Sampling | GMA-DUP-5 (111A-R) | 4/24/06 | Water | SGS | VOC, Natural Attenuation | |
| Semi-Annual Groundwater Sampling | GMA-DUP-6 (95B-R) | 4/26/06 | Water | SGS | PCB, PCB (f), VOC, VOC (Expanded List), Metals, Metals (f), CN, CN (f), Sulfide, PCDD/PCDF, Pest. Herb. Natural Attenuation | |

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

**TABLE 23-2**
**MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL**
**GROUNDWATER MANAGEMENT AREA 3**

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

| Well Name | Date | Depth to Water (ft BMP) | Depth to LNAPL (ft BMP) | LNAPL Thickness (feet) | LNAPL Removed (liters) | April 2006 Removal (liters) |
|---|---|---|---|---|---|---|
| 51-21 | 4/6/06 | 15.20 | P | < 0.01 | 2.274 | 13.632 |
| | 4/12/06 | 15.00 | P | < 0.01 | 4.54 | |
| | 4/19/06 | 15.05 | P | < 0.01 | 2.27 | |
| | 4/26/06 | 14.98 | P | < 0.01 | 4.55 | |
| GMA3-12 | 4/5/06 | 11.62 | 11.25 | 0.37 | 0.989 | 0.989 |
| GMA3-13 | 4/5/06 | 11.30 | 11.10 | 0.20 | 0.123 | 0.308 |
| | 4/18/06 | 11.25 | 11.10 | 0.15 | 0.093 | |
| | 4/26/06 | 11.20 | 11.05 | 0.15 | 0.093 | |

**Total Manual LNAPL Removal at Well 51-21 for April 2006: 13.632 liters**
**3.60 Gallons**

**Total Manual LNAPL Removal at All Other Wells for April 2006: 1.297 liters**
**0.34 Gallons**

**Total LNAPL Removed for April 2006: 14.929 liters**
**3.94 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 23-3**
**ROUTINE WELL MONITORING**
**GROUNDWATER MANAGEMENT AREA 3**

**CONSENT DECREE MONTHLY STATUS REPORT**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**April 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) |
|---|---|---|---|---|---|---|---|---|---|
| 002A | 994.16 | 4/11/06 | 7.69 | --- | 0.00 | --- | 54.83 | 0.00 | 986.47 |
| 002A | 994.16 | 4/19/06 | 8.03 | --- | 0.00 | --- | 55.21 | 0.00 | 986.13 |
| 006B-R | 993.62 | 4/11/06 | 6.35 | --- | 0.00 | --- | 14.53 | 0.00 | 987.27 |
| 006B-R | 993.62 | 4/19/06 | 6.80 | --- | 0.00 | --- | 14.50 | 0.00 | 986.82 |
| 016A | 991.77 | 4/12/06 | 6.41 | --- | 0.00 | --- | 51.02 | 0.00 | 985.36 |
| 016A | 991.77 | 4/20/06 | 6.96 | --- | 0.00 | --- | 50.98 | 0.00 | 984.81 |
| 016B-R | 994.87 | 4/11/06 | 8.86 | --- | 0.00 | --- | 16.43 | 0.00 | 986.01 |
| 016B-R | 994.87 | 4/20/06 | 9.13 | --- | 0.00 | --- | 16.51 | 0.00 | 985.74 |
| 016C-R | 993.23 | 4/11/06 | 7.58 | --- | 0.00 | --- | 103.53 | 0.00 | 985.65 |
| 016C-R | 993.23 | 4/26/06 | 7.44 | --- | 0.00 | --- | 102.21 | 0.00 | 985.79 |
| 039B-R | 991.97 | 4/11/06 | 5.89 | --- | 0.00 | --- | 13.58 | 0.00 | 986.08 |
| 039B-R | 991.97 | 4/20/06 | 6.14 | --- | 0.00 | --- | 13.58 | 0.00 | 985.83 |
| 039D-R | NA | 4/11/06 | 8.38 | --- | 0.00 | --- | 63.95 | 0.00 | NA |
| 039D-R | NA | 4/20/06 | 8.55 | --- | 0.00 | --- | 63.14 | 0.00 | NA |
| 039E | 992.21 | 4/11/06 | 5.11 | --- | 0.00 | --- | > than 201 | 0.00 | 987.10 |
| 039E | 992.21 | 4/20/06 | 5.36 | --- | 0.00 | --- | > than 208 | 0.00 | 986.85 |
| 043A | 993.79 | 4/11/06 | 5.30 | --- | 0.00 | --- | 51.16 | 0.00 | 988.49 |
| 043A | 993.79 | 4/19/06 | 9.49 | --- | 0.00 | --- | 51.37 | 0.00 | 984.30 |
| 043B | 993.61 | 4/11/06 | 5.66 | --- | 0.00 | --- | 21.15 | 0.00 | 987.95 |
| 043B | 993.61 | 4/19/06 | 5.85 | --- | 0.00 | --- | 21.35 | 0.00 | 987.76 |
| 050B | 991.76 | 4/12/06 | 2.77 | --- | 0.00 | --- | 14.80 | 0.00 | 988.99 |
| 51-05 | 996.44 | 4/11/06 | 9.99 | 9.93 | 0.06 | --- | 11.75 | 0.00 | 986.51 |
| 51-06 | 997.36 | 4/11/06 | 10.37 | --- | 0.00 | --- | 14.63 | 0.00 | 986.99 |
| 51-07 | 997.08 | 4/11/06 | 10.41 | --- | 0.00 | --- | 11.50 | 0.00 | 986.67 |
| 51-08 | 997.08 | 4/5/06 | 10.68 | 10.65 | 0.03 | --- | 14.70 | 0.00 | 986.43 |
| 51-08 | 997.08 | 4/11/06 | 10.63 | 10.59 | 0.04 | --- | 14.66 | 0.00 | 986.49 |
| 51-08 | 997.08 | 4/18/06 | 10.67 | 10.65 | 0.02 | --- | 14.68 | 0.00 | 986.43 |
| 51-08 | 997.08 | 4/26/06 | 10.60 | 10.57 | 0.03 | --- | 14.68 | 0.00 | 986.51 |
| 51-09 | 997.70 | 4/11/06 | 10.45 | --- | 0.00 | --- | 11.62 | 0.00 | 987.25 |
| 51-11 | 994.37 | 4/11/06 | 7.71 | --- | 0.00 | --- | 13.28 | 0.00 | 986.66 |
| 51-12 | 996.55 | 4/11/06 | 7.40 | --- | 0.00 | --- | 13.33 | 0.00 | 989.15 |
| 51-13 | 997.42 | 4/11/06 | DRY | | 0.00 | --- | 10.02 | 0.00 | 987.40 |
| 51-14 | 996.77 | 4/11/06 | 10.36 | --- | 0.00 | --- | 14.92 | 0.00 | 986.41 |
| 51-15 | 996.43 | 4/11/06 | 9.96 | 9.94 | 0.02 | --- | 14.36 | 0.00 | 986.49 |
| 51-16R | 996.39 | 4/11/06 | 9.92 | 9.85 | 0.07 | --- | 14.54 | 0.00 | 986.54 |
| 51-17 | 996.43 | 4/11/06 | 10.37 | 9.70 | 0.67 | --- | 14.49 | 0.00 | 986.68 |
| 51-18 | 997.12 | 4/13/06 | 10.54 | --- | 0.00 | --- | 12.63 | 0.00 | 986.58 |
| 51-19 | 996.43 | 4/11/06 | 10.29 | 10.02 | 0.27 | --- | 14.05 | 0.00 | 986.39 |
| 51-21 | 1001.49 | 4/6/06 | 15.20 | P | < 0.01 | --- | NM | 0.00 | 986.29 |
| 51-21 | 1001.49 | 4/12/06 | 15.00 | P | < 0.01 | --- | NM | 0.00 | 986.49 |
| 51-21 | 1001.49 | 4/19/06 | 15.05 | P | < 0.01 | --- | NM | 0.00 | 986.44 |
| 51-21 | 1001.49 | 4/26/06 | 14.98 | P | < 0.01 | --- | NM | 0.00 | 986.51 |
| 054B-R | 991.49 | 4/12/06 | 4.19 | --- | 0.00 | --- | 15.25 | 0.00 | 987.30 |
| 054B-R | 991.49 | 4/26/06 | 4.20 | --- | 0.00 | --- | 15.50 | 0.00 | 987.29 |

**TABLE 23-3**
**ROUTINE WELL MONITORING**
**GROUNDWATER MANAGEMENT AREA 3**

**CONSENT DECREE MONTHLY STATUS REPORT**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**April 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) |
|---|---|---|---|---|---|---|---|---|---|
| 59-01 | 997.52 | 4/11/06 | 10.95 | --- | 0.00 | --- | 11.39 | 0.00 | 986.57 |
| 59-03R | 997.64 | 4/11/06 | 11.94 | 11.02 | 0.92 | --- | 17.04 | 0.00 | 986.56 |
| 59-07 | 997.96 | 4/11/06 | 11.30 | 11.28 | 0.02 | --- | 23.51 | 0.00 | 986.68 |
| 078B-R | 988.83 | 4/11/06 | 1.13 | --- | 0.00 | --- | 11.49 | 0.00 | 987.70 |
| 082B-R | 989.90 | 4/11/06 | 3.67 | --- | 0.00 | --- | 11.84 | 0.00 | 986.23 |
| 082B-R | 989.90 | 4/26/06 | 3.47 | --- | 0.00 | --- | 12.22 | 0.00 | 986.43 |
| 089A | 985.76 | 4/13/06 | 2.44 | --- | 0.00 | --- | 47.27 | 0.00 | 983.32 |
| 089B | 986.03 | 4/13/06 | 2.75 | --- | 0.00 | --- | 8.89 | 0.00 | 983.28 |
| 089D-R | 987.11 | 4/13/06 | 3.65 | --- | 0.00 | --- | 79.93 | 0.00 | 983.46 |
| 090A | 988.07 | 4/12/06 | 4.85 | --- | 0.00 | --- | 51.89 | 0.00 | 983.22 |
| 090A | 988.07 | 4/25/06 | 4.39 | --- | 0.00 | --- | 51.39 | 0.00 | 983.68 |
| 090B | 989.10 | 4/12/06 | 5.99 | --- | 0.00 | --- | 12.88 | 0.00 | 983.11 |
| 090B | 989.10 | 4/25/06 | 5.45 | --- | 0.00 | --- | 12.62 | 0.00 | 983.65 |
| 095A | 987.18 | 4/12/06 | 6.23 | --- | 0.00 | --- | 50.99 | 0.00 | 980.95 |
| 095B-R | 986.24 | 4/12/06 | 5.43 | --- | 0.00 | --- | 13.58 | 0.00 | 980.81 |
| 095B-R | 986.24 | 4/26/06 | 5.30 | --- | 0.00 | --- | 13.30 | 0.00 | 980.94 |
| 111A-R | 997.35 | 4/11/06 | 13.28 | --- | 0.00 | --- | 52.17 | 0.00 | 984.07 |
| 111A-R | 997.35 | 4/24/06 | 14.30 | --- | 0.00 | --- | 52.06 | 0.00 | 983.05 |
| 111B-R | 997.48 | 4/11/06 | 13.78 | --- | 0.00 | --- | 19.79 | 0.00 | 983.70 |
| 111B-R | 997.48 | 4/25/06 | 13.66 | --- | 0.00 | --- | 19.73 | 0.00 | 983.82 |
| 114A | 986.16 | 4/12/06 | 7.43 | --- | 0.00 | --- | 52.21 | 0.00 | 978.73 |
| 114B-R | 985.54 | 4/12/06 | 5.80 | --- | 0.00 | --- | 15.35 | 0.00 | 979.74 |
| 114B-R | 985.54 | 4/20/06 | 6.03 | --- | 0.00 | --- | 15.46 | 0.00 | 979.51 |
| 115A | 988.53 | 4/12/06 | 7.91 | --- | 0.00 | --- | 42.77 | 0.00 | 980.62 |
| 115B | 990.90 | 4/12/06 | 11.08 | --- | 0.00 | --- | 15.74 | 0.00 | 979.82 |
| GMA3-2 | 991.94 | 4/12/06 | 6.78 | --- | 0.00 | --- | 14.95 | 0.00 | 985.16 |
| GMA3-3 | 990.45 | 4/11/06 | 0.74 | --- | 0.00 | --- | 11.98 | 0.00 | 989.71 |
| GMA3-4 | 994.60 | 4/11/06 | 6.28 | --- | 0.00 | --- | 12.96 | 0.00 | 988.32 |
| GMA3-5 | 993.67 | 4/12/06 | 7.67 | --- | 0.00 | --- | 15.48 | 0.00 | 986.00 |
| GMA3-6 | 997.49 | 4/11/06 | 16.23 | --- | 0.00 | --- | 23.32 | 0.00 | 981.26 |
| GMA3-7 | 1000.17 | 4/12/06 | 13.26 | --- | 0.00 | --- | 19.65 | 0.00 | 986.91 |
| GMA3-8 | 996.24 | 4/11/06 | 10.09 | --- | 0.00 | --- | 15.72 | 0.00 | 986.15 |
| GMA3-9 | 992.39 | 4/11/06 | 3.91 | --- | 0.00 | --- | 12.40 | 0.00 | 988.48 |
| GMA3-10 | 997.54 | 4/5/06 | 11.06 | 10.92 | 0.14 | --- | 17.95 | 0.00 | 986.61 |
| GMA3-10 | 997.54 | 4/13/06 | 11.24 | 10.82 | 0.42 | --- | 17.91 | 0.00 | 986.69 |
| GMA3-10 | 997.54 | 4/18/06 | 11.08 | 10.90 | 0.18 | --- | 17.95 | 0.00 | 986.63 |
| GMA3-10 | 997.54 | 4/26/06 | 11.05 | 10.89 | 0.16 | --- | 17.94 | 0.00 | 986.64 |
| GMA3-11 | 997.25 | 4/13/06 | 10.12 | --- | 0.00 | --- | 18.38 | 0.00 | 987.13 |
| GMA3-12 | 997.84 | 4/5/06 | 11.62 | 11.25 | 0.37 | --- | 21.22 | 0.00 | 986.56 |
| GMA3-12 | 997.84 | 4/13/06 | 11.53 | 11.18 | 0.35 | --- | 21.20 | 0.00 | 986.64 |
| GMA3-12 | 997.84 | 4/18/06 | 11.39 | 11.24 | 0.15 | --- | 21.23 | 0.00 | 986.59 |
| GMA3-12 | 997.84 | 4/26/06 | 11.40 | 11.20 | 0.20 | --- | 21.23 | 0.00 | 986.63 |
| GMA3-13 | 997.73 | 4/5/06 | 11.30 | 11.10 | 0.20 | --- | 17.71 | 0.00 | 986.62 |
| GMA3-13 | 997.73 | 4/11/06 | 11.14 | 11.02 | 0.12 | --- | 17.74 | 0.00 | 986.70 |
| GMA3-13 | 997.73 | 4/18/06 | 11.25 | 11.10 | 0.15 | --- | 17.74 | 0.00 | 986.62 |
| GMA3-13 | 997.73 | 4/26/06 | 11.20 | 11.05 | 0.15 | --- | 17.73 | 0.00 | 986.67 |

**TABLE 23-3**
**ROUTINE WELL MONITORING**
**GROUNDWATER MANAGEMENT AREA 3**

**CONSENT DECREE MONTHLY STATUS REPORT**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**April 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) |
|---|---|---|---|---|---|---|---|---|---|
| GMA3-14 | 997.42 | 4/13/06 | 10.62 | --- | 0.00 | --- | 17.03 | 0.00 | 986.80 |
| GMA3-15 | NA | 4/11/06 | 10.86 | --- | 0.00 | --- | 17.05 | 0.00 | NA |
| OBG-2 | 992.20 | 4/12/06 | 4.68 | --- | 0.00 | --- | 14.92 | 0.00 | 987.52 |
| UB-MW-10 | 995.99 | 4/13/06 | 9.23 | --- | 0.00 | --- | 14.98 | 0.00 | 986.76 |
| UB-PZ-3 | 998.15 | 4/13/06 | 11.90 | 11.65 | 0.25 | --- | 13.41 | 0.00 | 986.48 |
| **Unkamet Brook Staff Gauges** | | | | | | | | | |
| GMA3-SG-1 | 988.90 | 1/18/06 | NM | Chiseled square in concrete headwall at Outfall 009C - DESTROYED | | | | | NA |
| GMA3-SG-2 | 981.61 | 4/12/06 | 1.38 | See Note 6 regarding depth to water | | | | | 982.99 |
| GMA3-SG-3 | 989.42 | 4/12/06 | 1.72 | See Note 6 regarding depth to water | | | | | 991.14 |
| GMA3-SG-4 | 989.71 | 4/12/06 | 0.56 | See Note 6 regarding depth to water | | | | | 990.27 |

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. Survey reference points were established on the GMA 3 staff gauges. The "Depth to Water" value(s) provided in the above table refers to the vertical distance from the surveyed reference point to the water surface.

# ITEM 24
# GROUNDWATER MANAGEMENT AREAS
# PLANT SITE 3 (GMA 4)
# (GECD340)
# APRIL 2006

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

**a. Activities Undertaken/Completed**

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

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

GE and EPA are currently discussing a number of issues relating to the GMA 4 monitoring program and data.

**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.
- 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. This proposed modification was verbally approved by EPA on March 30, 2006 and implemented during the April 2006 sampling round. 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. 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**
**DATA RECEIVED AND/OR SAMPLES COLLECTED DURING APRIL 2006**

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Semi-Annual Groundwater Sampling | 16A | 4/20/06 | Water | SGS | VOC, SVOC (Limited), Natural Attenuation | |
| Semi-Annual Groundwater Sampling | 78-1 | 4/19/06 | Water | SGS | PCB (f), VOC, Metals (f), PAC CN (f), PCDD/PCDF, Sulfide | |
| Semi-Annual Groundwater Sampling | 78-6 | 4/19/06 | Water | SGS | PCB (f), VOC, Metals (f), PAC CN (f), PCDD/PCDF, Sulfide | |
| Semi-Annual Groundwater Sampling | GMA-DUP-4 (OPCA-MW-1) | 4/18/06 | Water | SGS | PCB (f), VOC, SVOC, Metals (f), PAC CN (f), PCDD/PCDF, Sulfide | |
| Semi-Annual Groundwater Sampling | H78B-15 | 4/19/06 | Water | SGS | PCB (f), VOC, Metals (f), PAC CN (f), PCDD/PCDF, Sulfide | |
| Semi-Annual Groundwater Sampling | H78B-16 | 4/17/06 | Water | SGS | VOC | |
| Semi-Annual Groundwater Sampling | H78B-17R | 4/17/06 | Water | SGS | VOC | |
| Semi-Annual Groundwater Sampling | OPCA-MW-1 | 4/18/06 | Water | SGS | PCB (f), VOC, SVOC, Metals (f), PAC CN (f), PCDD/PCDF, Sulfide | |
| Semi-Annual Groundwater Sampling | OPCA-MW-2 | 4/18/06 | Water | SGS | PCB (f), VOC, SVOC, Metals (f), PAC CN (f), PCDD/PCDF, Sulfide | |
| Semi-Annual Groundwater Sampling | OPCA-MW-3 | 4/18/06 | Water | SGS | PCB (f), VOC, SVOC, Metals (f), PAC CN (f), PCDD/PCDF, Sulfide | |
| Semi-Annual Groundwater Sampling | OPCA-MW-4 | 4/18/06 | Water | SGS | PCB (f), VOC, SVOC, Metals (f), PAC CN (f), PCDD/PCDF, Sulfide | |
| Semi-Annual Groundwater Sampling | OPCA-MW-5R | 4/18/06 | Water | SGS | PCB (f), VOC, SVOC, Metals (f), PAC CN (f), PCDD/PCDF, Sulfide | |
| Semi-Annual Groundwater Sampling | OPCA-MW-6 | 4/17/06 | Water | SGS | PCB (f), VOC, SVOC, Metals (f), PAC CN (f), PCDD/PCDF, Sulfide | |
| Semi-Annual Groundwater Sampling | OPCA-MW-7 | 4/18/06 | Water | SGS | PCB (f), VOC, SVOC, Metals (f), PAC CN (f), PCDD/PCDF, Sulfide | |
| Semi-Annual Groundwater Sampling | OPCA-MW-8 | 4/17/06 | Water | SGS | PCB (f), VOC, SVOC, Metals (f), PAC CN (f), PCDD/PCDF, Sulfide | |
| Semi-Annual Groundwater Sampling | UB-MW-5 | 4/18/06 | Water | SGS | PCB, PCB (f), SVOC, Sulfide, PCDD/PCDF | |
| Semi-Annual Groundwater Sampling | UB-MW-5 | 4/17/06 | Water | SGS | VOC, Metals, Metals (f), PAC CN, PAC CN (f) | |

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

**TABLE 24-2**
**ROUTINE WELL MONITORING**
**GROUNDWATER MANAGEMENT AREA 4**

**CONSENT DECREE MONTHLY STATUS REPORT**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**April 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) |
|---|---|---|---|---|---|---|---|---|---|
| 060A | 1,001.71 | 4/13/06 | 14.58 | --- | 0.00 | --- | 20.78 | 0.00 | 987.13 |
| 060B-R | 1,002.79 | 4/13/06 | 14.58 | --- | 0.00 | --- | 20.78 | 0.00 | 988.21 |
| 78-1 | 1,026.32 | 4/13/06 | 7.73 | --- | 0.00 | --- | 22.35 | 0.00 | 1,018.59 |
| 78-1 | 1,026.32 | 4/19/06 | 10.29 | --- | 0.00 | --- | 22.51 | 0.00 | 1,016.03 |
| 78-2 | 1,033.96 | 4/13/06 | 6.21 | --- | 0.00 | --- | 20.56 | 0.00 | 1,027.75 |
| 78-3 | 1,007.13 | 4/13/06 | 16.72 | --- | 0.00 | --- | 24.84 | 0.00 | 990.41 |
| 78-4 | 998.55 | 4/13/06 | 12.50 | --- | 0.00 | --- | 21.35 | 0.00 | 986.05 |
| 78-5R | 997.36 | 4/13/06 | 4.81 | --- | 0.00 | --- | 18.36 | 0.00 | 992.55 |
| 78-6 | 1,012.00 | 4/13/06 | 6.26 | --- | 0.00 | --- | 17.49 | 0.00 | 1,005.74 |
| 78-6 | 1,012.00 | 4/19/06 | 7.08 | --- | 0.00 | --- | 17.54 | 0.00 | 1,004.92 |
| GMA4-1 | 1,012.35 | 4/13/06 | 22.89 | --- | 0.00 | --- | 28.14 | 0.00 | 989.46 |
| GMA4-2 | 1,006.22 | 4/13/06 | 12.73 | --- | 0.00 | --- | 19.76 | 0.00 | 993.49 |
| GMA4-3 | 1,003.95 | 4/13/06 | 17.26 | --- | 0.00 | --- | 26.27 | 0.00 | 986.69 |
| GMA4-4 | 999.64 | 4/12/06 | 12.38 | --- | 0.00 | --- | 23.21 | 0.00 | 987.26 |
| GMA4-6 | NA | 4/13/06 | 7.94 | --- | 0.00 | --- | 12.61 | 0.00 | NA |
| H78B-13R | 992.93 | 4/12/06 | 10.41 | --- | 0.00 | --- | 20.05 | 0.00 | 982.52 |
| H78B-15 | 1,012.68 | 4/13/06 | 15.14 | --- | 0.00 | --- | 18.17 | 0.00 | 997.54 |
| H78B-15 | 1,012.68 | 4/19/06 | 15.82 | --- | 0.00 | --- | 18.16 | 0.00 | 996.86 |
| H78B-16 | 999.33 | 4/13/06 | 12.22 | --- | 0.00 | --- | 16.91 | 0.00 | 987.11 |
| H78B-17 | 1,002.54 | 4/13/06 | 16.60 | --- | 0.00 | --- | 18.94 | 0.00 | 985.94 |
| H78B-17R | 1,000.31 | 4/13/06 | 13.43 | --- | 0.00 | --- | 24.96 | 0.00 | 986.88 |
| NY-3 | 1,005.49 | 4/13/06 | 15.21 | --- | 0.00 | --- | 24.74 | 0.00 | 990.28 |
| NY-4 | 1,024.24 | 4/13/06 | 8.40 | --- | 0.00 | --- | 31.30 | 0.00 | 1,015.84 |
| OPCA-MW-1 | 1,019.60 | 4/12/06 | 8.73 | --- | 0.00 | --- | 32.76 | 0.00 | 1,010.87 |
| OPCA-MW-1 | 1,019.60 | 4/18/06 | 8.99 | --- | 0.00 | --- | 32.54 | 0.00 | 1,010.61 |
| OPCA-MW-2 | 1,019.58 | 4/12/06 | 17.80 | --- | 0.00 | --- | 25.45 | 0.00 | 1,001.78 |
| OPCA-MW-2 | 1,019.58 | 4/18/06 | 17.70 | --- | 0.00 | --- | 25.09 | 0.00 | 1,001.88 |
| OPCA-MW-3 | 1,014.83 | 4/13/06 | 19.67 | --- | 0.00 | --- | 27.42 | 0.00 | 995.16 |
| OPCA-MW-3 | 1,014.83 | 4/18/06 | 18.28 | --- | 0.00 | --- | 27.45 | 0.00 | 996.55 |
| OPCA-MW-4 | 1,018.67 | 4/13/06 | 12.57 | --- | 0.00 | --- | 21.48 | 0.00 | 1,006.10 |
| OPCA-MW-4 | 1,018.67 | 4/18/06 | 12.67 | --- | 0.00 | --- | 21.60 | 0.00 | 1,006.00 |
| OPCA-MW-5R | 1,016.34 | 4/13/06 | 11.15 | --- | 0.00 | --- | 21.60 | 0.00 | 1,005.19 |
| OPCA-MW-5R | 1,016.34 | 4/18/06 | 11.20 | --- | 0.00 | --- | 21.73 | 0.00 | 1,005.14 |
| OPCA-MW-6 | 1,022.31 | 4/13/06 | 17.64 | --- | 0.00 | --- | 23.86 | 0.00 | 1,004.67 |
| OPCA-MW-7 | 1,026.57 | 4/13/06 | 17.75 | --- | 0.00 | --- | 23.59 | 0.00 | 1,008.82 |
| OPCA-MW-7 | 1,026.57 | 4/18/06 | 17.67 | --- | 0.00 | --- | 23.79 | 0.00 | 1,008.90 |
| OPCA-MW-8 | 1,027.40 | 4/13/06 | 9.25 | --- | 0.00 | --- | 21.79 | 0.00 | 1,018.15 |
| RF-14 | 1,001.59 | 4/13/06 | 8.68 | --- | 0.00 | --- | 22.63 | 0.00 | 992.91 |
| RF-15 | 1,011.80 | 4/13/06 | 14.44 | --- | 0.00 | --- | 22.55 | 0.00 | 997.36 |
| SCH-4 | 1,014.05 | 4/13/06 | 7.11 | --- | 0.00 | --- | 16.28 | 0.00 | 1,006.94 |
| UB-MW-5 | 1,006.06 | 4/13/06 | 12.81 | --- | 0.00 | --- | 15.40 | 0.00 | 993.25 |
| UB-MW-6 | 1,019.79 | 4/13/06 | 20.79 | --- | 0.00 | --- | 34.99 | 0.00 | 999.00 |

Notes:

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

# ITEM 25
# GROUNDWATER MANAGEMENT AREAS
# FORMER OXBOWS A & C (GMA 5)
# (GECD350)
# APRIL 2006

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

**a. Activities Undertaken/Completed**

- Conducted semi-annual groundwater elevation monitoring activities.

- Conducted spring 2006 interim groundwater sampling activities (see Item 25.e below).

**b. Sampling/Test Results Received**

- See attached tables.

- Preliminary analytical results received in April 2006 from the spring 2004 GMA 5 interim groundwater quality monitoring activities are shown in Table 25-2. These preliminary results, which consist of data for volatile organic compounds and select semi-volatile organic compounds from two wells, have been compared to the applicable Method 1 GW-2 and GW-3 groundwater standards and UCLs for groundwater set forth in the MCP. These comparisons indicate the following:

  - There were no exceedances of UCLs in any of the groundwater sample results received in April 2006.

  - The MCP GW-2 standard for tetrachloroethene (0.05 ppm) was exceeded in the sample from well GMA5-7. This is the first time an exceedance of this standard has been observed in this well.

  - No other MCP GW-2 standards were exceeded in any of the GW-2 groundwater sample results received in April 2006.

  - The MCP GW-3 standards were not exceeded in any of the GW-3 groundwater sample results received in April 2006.

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

None

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

None

**ITEM 25**
**(cont'd)**
**GROUNDWATER MANAGEMENT AREAS**
**FORMER OXBOWS A & C (GMA 5)**
**(GECD350)**
**APRIL 2006**

**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. GE discussed the results with EPA during an April 10, 2006 technical call and received EPA approval to resume interim groundwater sampling in spring 2006.

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

See item 25.e above.

**TABLE 25-1**
**DATA RECEIVED AND/OR SAMPLES COLLECTED DURING APRIL 2006**

**GROUNDWATER MANAGEMENT AREA 5**
**GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS**

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| Semi-Annual Groundwater Sampling | GMA-DUP-2 (GMA5-3) | 4/12/06 | Water | SGS | VOC | 4/19/06 |
| Semi-Annual Groundwater Sampling | GMA5-3 | 4/12/06 | Water | SGS | VOC | 4/19/06 |
| Semi-Annual Groundwater Sampling | GMA5-7 | 4/12/06 | Water | SGS | VOC | 4/19/06 |

Note:
1. Field duplicate sample locations are presented in parenthesis.

**TABLE 25-2**
**DATA RECEIVED DURING APRIL 2006**

**BASELINE SEMI-ANNUAL GROUNDWATER SAMPLING**
**GROUNDWATER MANAGEMENT AREA 5**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**(Results are presented in parts per million, ppm)**

| Parameter / Sample ID: / Date Collected: | GMA5-3 4/12/06 | GMA5-7 4/12/06 |
|---|---|---|
| **Volatile Organics** | | |
| Tetrachloroethene | ND(0.0020) [ND(0.0020)] | 0.062 |
| Trichloroethene | ND(0.0050) [ND(0.0050)] | 0.0023 J |
| **Semivolatile Organics** | | |
| None Detected | -- | -- |

Notes:

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

Data Qualifiers:

Organics (volatiles, semivolatiles)

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

**TABLE 25-3**
**ROUTINE WELL MONITORING**
**GROUNDWATER MANAGEMENT AREA 5**

**CONSENT DECREE MONTHLY STATUS REPORT**
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**
**April 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) |
|---|---|---|---|---|---|---|---|---|---|
| **GMA 5 - Former Oxbow Area A** | | | | | | | | | |
| GES-7 | 992.10 | 4/12/06 | 14.25 | --- | 0.00 | --- | 16.76 | 0.00 | 977.85 |
| GES-8 | 990.15 | 4/12/06 | 11.77 | --- | 0.00 | --- | 16.69 | 0.00 | 978.38 |
| GES-9 | 990.72 | 4/12/06 | 15.62 | --- | 0.00 | --- | 16.69 | 0.00 | 975.10 |
| GMA 5-1 | 984.59 | 4/12/06 | 9.05 | --- | 0.00 | --- | 15.79 | 0.00 | 975.54 |
| GMA 5-3 | 989.14 | 4/12/06 | 17.00 | --- | 0.00 | --- | 25.21 | 0.00 | 972.14 |
| GMA 5-4 | 979.10 | 4/12/06 | 8.46 | --- | 0.00 | --- | 18.19 | 0.00 | 970.64 |
| GMA 5-7 | 986.75 | 4/12/06 | 14.98 | --- | 0.00 | --- | 28.08 | 0.00 | 971.77 |
| GMA 5-8 | 984.69 | 4/12/06 | 12.23 | --- | 0.00 | --- | 17.83 | 0.00 | 972.46 |
| GT-7 | 989.76 | 4/12/06 | 17.09 | --- | 0.00 | --- | 24.12 | 0.00 | 972.67 |
| GT-101 | NA | 4/12/06 | 17.60 | --- | 0.00 | --- | 24.40 | 0.00 | NA |
| GT-102 | NA | 4/12/06 | 17.36 | --- | 0.00 | --- | 24.52 | 0.00 | NA |
| RW-2 | NA | 4/12/06 | 17.98 | --- | 0.00 | --- | 20.32 | 0.00 | NA |
| **GMA 5 - Former Oxbow Area C** | | | | | | | | | |
| C-1 | 987.82 | 4/12/06 | 16.39 | --- | 0.00 | --- | 22.84 | 0.00 | 971.43 |
| C-2 | 979.25 | 4/12/06 | 7.45 | --- | 0.00 | --- | 18.58 | 0.00 | 971.80 |
| GMA 5-2 | 982.66 | 4/12/06 | 10.01 | --- | 0.00 | --- | 20.67 | 0.00 | 972.65 |
| GMA 5-5 | 982.64 | 4/12/06 | 11.48 | --- | 0.00 | --- | 18.65 | 0.00 | 971.16 |
| GMA 5-6 | 979.23 | 4/12/06 | 8.33 | --- | 0.00 | --- | 15.40 | 0.00 | 970.90 |

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*
# *April 2006*

BBL®
BLASLAND, BOUCK & LEE, INC.
*engineers, scientists, economists*

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

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| NPDES Sampling | 001-A7175 | 3/7/06 | Water | Columbia | TSS | 4/3/06 |
| NPDES Sampling | 001-A7225 | 4/3/06 | Water | Columbia | Oil & Grease | Cancelled |
| NPDES Sampling | 001-A7227 | 4/3/06 | Water | SGS | PCB | 4/12/06 |
| NPDES Sampling | 001-A7235 | 4/4/06 | Water | Columbia | TSS | 4/12/06 |
| NPDES Sampling | 001-A7248 | 4/6/06 | Water | Columbia | Oil & Grease | 4/14/06 |
| NPDES Sampling | 001-A7256 | 4/11/06 | Water | Columbia | TSS | 4/19/06 |
| NPDES Sampling | 001-A7260 | 4/12/06 | Water | Columbia | TSS | 4/14/06 |
| NPDES Sampling | 001-A7261 | 4/14/06 | Water | Columbia | TSS | 4/20/06 |
| NPDES Sampling | 005-A7176/A7177 | 3/7/06 | Water | Columbia | TSS, BOD | 4/3/06 |
| NPDES Sampling | 005-A7213/A7214 | 3/28/06 | Water | SGS | PCB | 4/3/06 |
| NPDES Sampling | 005-A7236/A7237 | 4/4/06 | Water | Columbia | TSS, BOD | 4/14/06 |
| NPDES Sampling | 005-A7236/A7237 | 4/4/06 | Water | SGS | PCB | 4/14/06 |
| NPDES Sampling | 005-A7257/A7258 | 4/11/06 | Water | SGS | PCB | 4/14/06 |
| NPDES Sampling | 005-A7269/A7270 | 4/18/06 | Water | SGS | PCB | 4/28/06 |
| NPDES Sampling | 005-A7279/A7280 | 4/25/06 | Water | SGS | PCB | |
| NPDES Sampling | 006-A7222 | 4/1/06 | Water | Columbia | Oil & Grease | 4/12/06 |
| NPDES Sampling | 006-A7224 | 4/1/06 | Water | SGS | PCB | 4/12/06 |
| NPDES Sampling | 01A-A7242 | 4/3/06 | Water | Columbia | Oil & Grease | 4/12/06 |
| NPDES Sampling | 01A-A7244 | 4/3/06 | Water | SGS | PCB | 4/12/06 |
| NPDES Sampling | 05A-A7218 | 4/1/06 | Water | Columbia | Oil & Grease | 4/12/06 |
| NPDES Sampling | 05A-A7221 | 4/1/06 | Water | SGS | PCB | 4/12/06 |
| NPDES Sampling | 09B-A7178 | 3/7/06 | Water | Columbia | TSS, BOD | 4/3/06 |
| NPDES Sampling | 09B-A7215 | 3/28/06 | Water | Columbia | TSS, BOD | 4/6/06 |
| NPDES Sampling | 09B-A7232 | 4/3/06 | Water | Columbia | TSS, BOD | 4/12/06 |
| NPDES Sampling | 09B-A7259 | 4/11/06 | Water | Columbia | TSS, BOD | 4/18/06 |
| NPDES Sampling | 09B-A7271 | 4/18/06 | Water | Columbia | TSS | 4/26/06 |
| NPDES Sampling | 09B-A7281 | 4/25/06 | Water | Columbia | TSS, BOD | |
| NPDES Sampling | 09C-A7173 | 3/6/06 | Water | Columbia | Oil & Grease | 4/3/06 |
| NPDES Sampling | 09C-A7210 | 3/27/06 | Water | Columbia | Oil & Grease | 4/6/06 |
| NPDES Sampling | 09C-A7239 | 4/3/06 | Water | Columbia | Oil & Grease | 4/14/06 |
| NPDES Sampling | 09C-A7241 | 4/3/06 | Water | SGS | PCB | 4/12/06 |
| NPDES Sampling | 09C-A7254 | 4/10/06 | Water | Columbia | Oil & Grease | 4/18/06 |
| NPDES Sampling | 09C-A7266 | 4/17/06 | Water | Columbia | Oil & Grease | 4/26/06 |
| NPDES Sampling | 09C-A7272 | 4/23/06 | Water | Columbia | Oil & Grease | |

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

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

| Project Name | Field Sample ID | Sample Date | Matrix | Laboratory | Analyses | Date Received by GE or BBL |
|---|---|---|---|---|---|---|
| NPDES Sampling | 64G-A7171 | 3/6/06 | Water | Columbia | Oil & Grease | 4/3/06 |
| NPDES Sampling | 64G-A7208 | 3/27/06 | Water | Columbia | Oil & Grease | 4/6/06 |
| NPDES Sampling | 64G-A7230 | 4/3/06 | Water | Columbia | Oil & Grease | 4/12/06 |
| NPDES Sampling | 64G-A7233 | 4/3/06 | Water | Columbia | VOC | 4/12/06 |
| NPDES Sampling | 64G-A7234 | 4/3/06 | Water | Columbia | SVOC | 4/12/06 |
| NPDES Sampling | 64G-A7252 | 4/10/06 | Water | Columbia | Oil & Grease | 4/18/06 |
| NPDES Sampling | 64G-A7264 | 4/17/06 | Water | Columbia | Oil & Grease | 4/26/06 |
| NPDES Sampling | 64G-A7276 | 4/24/06 | Water | Columbia | Oil & Grease | |
| NPDES Sampling | 64T-A7169 | 3/6/06 | Water | Columbia | Oil & Grease | 4/3/06 |
| NPDES Sampling | 64T-A7206 | 3/27/06 | Water | Columbia | Oil & Grease | 4/6/06 |
| NPDES Sampling | 64T-A7228 | 4/3/06 | Water | Columbia | Oil & Grease | 4/12/06 |
| NPDES Sampling | 64T-A7250 | 4/10/06 | Water | Columbia | Oil & Grease | 4/18/06 |
| NPDES Sampling | 64T-A7262 | 4/17/06 | Water | Columbia | Oil & Grease | 4/26/06 |
| NPDES Sampling | 64T-A7274 | 4/24/06 | Water | Columbia | Oil & Grease | |
| NPDES Sampling | A7216R | 4/4/06 | Water | Aquatec | Acute Toxicity Test | 4/24/06 |
| NPDES Sampling | A7216RCN | 4/4/06 | Water | Columbia | CN | 4/12/06 |
| NPDES Sampling | A7216RTM | 4/4/06 | Water | Columbia | Metals (10) | 4/12/06 |
| NPDES Sampling | A7217C | 4/4/06 | Water | Aquatec | Acute Toxicity Test | 4/24/06 |
| NPDES Sampling | A7217CCN | 4/4/06 | Water | Columbia | CN | 4/12/06 |
| NPDES Sampling | A7217CDM | 4/4/06 | Water | Columbia | Filtered Metals (8) | 4/12/06 |
| NPDES Sampling | A7217CTM | 4/4/06 | Water | Columbia | Metals (10) | 4/12/06 |
| NPDES Sampling | APR06WK1 | 3/28/06 | Water | Columbia | Cu, Pb, Zn | 4/6/06 |
| NPDES Sampling | APR06WK3 | 4/11/06 | Water | Columbia | Cu, Pb, Zn | 4/18/06 |
| NPDES Sampling | APR06WK4 | 4/18/06 | Water | Columbia | Cu, Pb, Zn | 4/26/06 |
| NPDES Sampling | APR06WK5 | 4/25/06 | Water | Columbia | Cu, Pb, Zn | |
| NPDES Sampling | MAR06WK2 | 3/7/06 | Water | Columbia | Cu, Pb, Zn | 4/3/06 |

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

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

| Parameter / Sample ID: / Date Collected: | 001-A7175 3/7/06 | 001-A7227 4/3/06 | 001-A7235 4/4/06 | 001-A7248 4/6/06 | 001-A7256 4/11/06 | 001-A7260 4/12/06 | 001-A7261 4/14/06 | 01A-A7242 4/3/06 | 01A-A7244 4/3/06 |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organics** | | | | | | | | | |
| None Detected | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCBs-Unfiltered** | | | | | | | | | |
| Aroclor-1254 | NA | 0.00017 | NA | NA | NA | NA | NA | NA | 0.00020 |
| Aroclor-1260 | NA | ND(0.000065) | NA | NA | NA | NA | NA | NA | 0.00010 |
| Total PCBs | NA | 0.00017 | NA | NA | NA | NA | NA | NA | 0.00030 |
| **Semivolatile Organics** | | | | | | | | | |
| None Detected | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Inorganics-Unfiltered** | | | | | | | | | |
| 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 |
| **Inorganics-Filtered** | | | | | | | | | |
| 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 |
| **Conventionals** | | | | | | | | | |
| Biological Oxygen Demand (5-day) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Suspended Solids | 1.41 | NA | 60.0 | NA | 2.83 | 11.2 | 6.60 | NA | NA |
| Oil & Grease | NA | NA | NA | ND(5.1) | NA | NA | NA | ND(5.2) | NA |

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

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

| Parameter / Sample ID: / Date Collected: | 005-A7176/A7177 3/7/06 | 005-A7213/A7214 3/28/06 | 005-A7236/A7237 4/4/06 | 005-A7257/A7258 4/11/06 | 005-A7269/A7270 4/18/06 | 05A-A7218 4/1/06 | 05A-A7221 4/1/06 |
|---|---|---|---|---|---|---|---|
| **Volatile Organics** | | | | | | | |
| None Detected | NA | NA | NA | NA | NA | NA | NA |
| **PCBs-Unfiltered** | | | | | | | |
| Aroclor-1254 | NA | ND(0.000065) | 0.000079 | ND(0.000065) | 0.000042 J | NA | 0.00030 |
| Aroclor-1260 | NA | ND(0.000065) | ND(0.000065) | ND(0.000065) | ND(0.000065) | NA | 0.00040 |
| Total PCBs | NA | ND(0.000065) | 0.000079 | ND(0.000065) | 0.000042 J | NA | 0.00070 |
| **Semivolatile Organics** | | | | | | | |
| None Detected | NA | NA | NA | NA | NA | NA | NA |
| **Inorganics-Unfiltered** | | | | | | | |
| 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 |
| **Inorganics-Filtered** | | | | | | | |
| 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 |
| **Conventionals** | | | | | | | |
| Biological Oxygen Demand (5-day) | ND(2.0) | NA | ND(2.0) | NA | NA | NA | NA |
| Total Suspended Solids | ND(1.00) | NA | ND(1.00) | NA | NA | NA | NA |
| Oil & Grease | NA | NA | NA | NA | NA | ND(5.2) | NA |

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

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

| Parameter / Sample ID: / Date Collected: | 006-A7222 4/1/06 | 006-A7224 4/1/06 | 09B-A7178 3/7/06 | 09B-A7215 3/28/06 | 09B-A7232 4/3/06 | 09B-A7259 4/11/06 | 09B-A7271 4/18/06 | 09C-A7173 3/6/06 | 09C-A7210 3/27/06 |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organics** | | | | | | | | | |
| None Detected | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCBs-Unfiltered** | | | | | | | | | |
| Aroclor-1254 | NA | 0.000049 J | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 | NA | 0.000062 J | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | 0.000111 J | NA | NA | NA | NA | NA | NA | NA |
| **Semivolatile Organics** | | | | | | | | | |
| None Detected | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Inorganics-Unfiltered** | | | | | | | | | |
| 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 |
| **Inorganics-Filtered** | | | | | | | | | |
| 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 |
| **Conventionals** | | | | | | | | | |
| Biological Oxygen Demand (5-day) | NA | NA | ND(2.0) | ND(2.0) | 2.4 | ND(2.0) | NA | NA | NA |
| Total Suspended Solids | NA | NA | 2.97 | 11.1 | 30.5 | 9.55 | 5.70 | NA | NA |
| Oil & Grease | ND(5.2) | NA | NA | NA | NA | NA | NA | ND(5.0) | ND(5.0) |

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

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

| Parameter / Sample ID: / Date Collected: | 09C-A7239 4/3/06 | 09C-A7241 4/3/06 | 09C-A7254 4/10/06 | 09C-A7266 4/17/06 | 64G-A7171 3/6/06 | 64G-A7208 3/27/06 | 64G-A7230 4/3/06 | 64G-A7233 4/3/06 | 64G-A7234 4/3/06 |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organics** | | | | | | | | | |
| None Detected | NA | NA | NA | NA | NA | NA | NA | -- | NA |
| **PCBs-Unfiltered** | | | | | | | | | |
| Aroclor-1254 | NA | ND(0.000065) | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 | NA | 0.000039 J | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | 0.000039 J | NA | NA | NA | NA | NA | NA | NA |
| **Semivolatile Organics** | | | | | | | | | |
| None Detected | NA | NA | NA | NA | NA | NA | NA | NA | -- |
| **Inorganics-Unfiltered** | | | | | | | | | |
| 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 |
| **Inorganics-Filtered** | | | | | | | | | |
| 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 |
| **Conventionals** | | | | | | | | | |
| Biological Oxygen Demand (5-day) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Suspended Solids | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Oil & Grease | ND(5.3) | NA | ND(5.0) | ND(5.2) | ND(5.0) | ND(5.0) | ND(5.2) | NA | NA |

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

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

| Parameter / Sample ID: / Date Collected: | 64G-A7252 4/10/06 | 64G-A7264 4/17/06 | 64T-A7169 3/6/06 | 64T-A7206 3/27/06 | 64T-A7228 4/3/06 | 64T-A7250 4/10/06 | 64T-A7262 4/17/06 | A7216RCN 4/4/06 | A7216RTM 4/4/06 |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organics** | | | | | | | | | |
| None Detected | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **PCBs-Unfiltered** | | | | | | | | | |
| Aroclor-1254 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Semivolatile Organics** | | | | | | | | | |
| None Detected | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Inorganics-Unfiltered** | | | | | | | | | |
| Aluminum | NA | NA | NA | NA | NA | NA | NA | NA | 0.868 |
| Cadmium | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00500) |
| Calcium | NA | NA | NA | NA | NA | NA | NA | NA | 13.6 |
| Chromium | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.0100) |
| Copper | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.0200) |
| Cyanide | NA | NA | NA | NA | NA | NA | NA | ND(0.0100) | NA |
| Lead | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.00500) |
| Magnesium | NA | NA | NA | NA | NA | NA | NA | NA | 5.20 |
| Nickel | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.0400) |
| Silver | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.0100) |
| Zinc | NA | NA | NA | NA | NA | NA | NA | NA | ND(0.0200) |
| **Inorganics-Filtered** | | | | | | | | | |
| 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 |
| **Conventionals** | | | | | | | | | |
| Biological Oxygen Demand (5-day) | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Total Suspended Solids | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Oil & Grease | ND(5.0) | ND(5.2) | ND(5.0) | ND(5.0) | ND(5.2) | ND(5.0) | ND(5.2) | NA | NA |

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

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

| Parameter / Sample ID: / Date Collected: | A7217CCN 4/4/06 | A7217CDM 4/4/06 | A7217CTM 4/4/06 | APR06WK1 3/28/06 | APR06WK3 4/11/06 | APR06WK4 4/18/06 | MAR06WK2 3/7/06 |
|---|---|---|---|---|---|---|---|
| **Volatile Organics** | | | | | | | |
| None Detected | NA | NA | NA | NA | NA | NA | NA |
| **PCBs-Unfiltered** | | | | | | | |
| Aroclor-1254 | NA | NA | NA | NA | NA | NA | NA |
| Aroclor-1260 | NA | NA | NA | NA | NA | NA | NA |
| Total PCBs | NA | NA | NA | NA | NA | NA | NA |
| **Semivolatile Organics** | | | | | | | |
| None Detected | NA | NA | NA | NA | NA | NA | NA |
| **Inorganics-Unfiltered** | | | | | | | |
| Aluminum | NA | NA | 1.29 | NA | NA | NA | NA |
| Cadmium | NA | NA | ND(0.00500) | NA | NA | NA | NA |
| Calcium | NA | NA | 39.2 | NA | NA | NA | NA |
| Chromium | NA | NA | ND(0.0100) | NA | NA | NA | NA |
| Copper | NA | NA | 0.0227 | ND(0.0200) | ND(0.0200) | ND(0.0200) | ND(0.0200) |
| Cyanide | 0.0183 | NA | NA | NA | NA | NA | NA |
| Lead | NA | NA | 0.0134 | ND(0.00500) | ND(0.00500) | ND(0.00500) | ND(0.00500) |
| Magnesium | NA | NA | 16.4 | NA | NA | NA | NA |
| Nickel | NA | NA | ND(0.0400) | NA | NA | NA | NA |
| Silver | NA | NA | ND(0.0100) | NA | NA | NA | NA |
| Zinc | NA | NA | 0.0830 | ND(0.0200) | ND(0.0200) | ND(0.0200) | ND(0.0200) |
| **Inorganics-Filtered** | | | | | | | |
| Aluminum | NA | ND(0.100) | NA | NA | NA | NA | NA |
| Cadmium | NA | ND(0.00500) | NA | NA | NA | NA | NA |
| Chromium | NA | ND(0.0100) | NA | NA | NA | NA | NA |
| Copper | NA | ND(0.0200) | NA | NA | NA | NA | NA |
| Lead | NA | ND(0.00500) | NA | NA | NA | NA | NA |
| Nickel | NA | ND(0.0400) | NA | NA | NA | NA | NA |
| Silver | NA | ND(0.0100) | NA | NA | NA | NA | NA |
| Zinc | NA | 0.0481 | NA | NA | NA | NA | NA |
| **Conventionals** | | | | | | | |
| Biological Oxygen Demand (5-day) | NA | NA | NA | NA | NA | NA | NA |
| Total Suspended Solids | NA | NA | NA | NA | NA | NA | NA |
| Oil & Grease | 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 volatiles, PCBs, semivolatiles, 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.
5. -- Indicates that all constituents for the parameter group were not detected.

Data Qualifiers:

Organics

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

# *Attachment B*

# *NPDES Discharge Monitoring Reports*
# *March 2006*

BLASLAND, BOUCK & LEE, INC.
*engineers, scientists, economists*

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 | 005 1 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

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

*** NO DISCHARGE | | ***

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 03 | 01 | TO | 06 | 03 | 31 |

**NOTE: Read instructions before completing this form.**

| PARAMETER | | 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 | 0 | 0 | ( 26) LBS/DY | ****** | ****** | ****** | | 0 | 01/30 | CP |
| | PERMIT REQUIREMENT | 70 MO AVG | 135 DAILY MX | LBS/DY | ****** | ****** | ****** | **** **** | | ONCE/ MONTH | COMPOS |
| SOLIDS, TOTAL SUSPENDED 00530 T 0 0 SEE COMMENTS BELOW | SAMPLE MEASUREMENT | 0 | 0 | ( 26) LBS/DY | ****** | ****** | ****** | | 0 | 01/30 | CP |
| | PERMIT REQUIREMENT | 188 MO AVG | 270 DAILY MX | LBS/DY | ****** | ****** | ****** | **** **** | | ONCE/ MONTH | COMPOS |
| OIL & GREASE 00556 T 0 0 SEE COMMENTS BELOW | SAMPLE MEASUREMENT | ****** | 25.8 | ( 26) LBS/DY | ****** | ****** | 5.3 | ( 19) MG/L | 0 | 01/07 | GR |
| | PERMIT REQUIREMENT | ****** | 135 DAILY MX | LBS/DY | ****** | ****** | 15 DAILY MX | MG/L | | WEEKLY | GRAB |
| POLYCHLORINATED BIPHENYLS (PCBS) 39516 T 0 0 SEE COMMENTS BELOW | SAMPLE MEASUREMENT | 0.00006 | 0.0002 | ( 26) LBS/DY | ****** | ****** | ****** | | 0 | 01/07 | CP |
| | PERMIT REQUIREMENT | 0.01 MO AVG | 0.03 DAILY MX | LBS/DY | ****** | ****** | ****** | **** **** | | WEEKLY | COMPOS |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 T 0 0 SEE COMMENTS BELOW | SAMPLE MEASUREMENT | 0.182 | 0.321 | ( 03) MGD | ****** | ****** | ****** | | 0 | 99/99 | RC |
| | PERMIT REQUIREMENT | 2.09 MO AVG | 2.09 DAILY MX | MGD | ****** | ****** | ****** | **** **** | | CONTINUOUS | RCORDR |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | | TELEPHONE | DATE | | |
|---|---|---|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll | 413 448-5902 | 2000 | 4 | 27 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE / NUMBER | YEAR | MO | DAY |

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

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

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

Form Approved.
OMB No. 2040-0004

| MA0003891 | 064 G |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

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

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 03 | 01 | TO | 06 | 03 | 31 |

*** NO DISCHARGE | | ***

**NOTE: Read instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| PH | SAMPLE MEASUREMENT | ****** | ****** | | 6.8 | ****** | 7.9 | ( 12) SU | 0 | 99/99 | RCDR |
| 00400 T 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** **** **** | | 6.0 MINIMUM | ****** | 9.0 MAXIMUM | SU | | WEEKLY | RANG-G |
| BASE NEUTRALS & ACID (METHOD 625), TOTAL | SAMPLE MEASUREMENT | ****** | ****** | | ****** | 0 | 0 | ( 19) MG/L | 0 | 01/90 | GR |
| 76030 T 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** **** **** | | ****** | REPORT MO AVG | REPORT DAILY MX | MG/L | | 3TRLY | GRAB |
| VOLATILE COMPOUNDS, (GC/MS) | SAMPLE MEASUREMENT | ****** | ****** | | ****** | 0.0037 | 0.0037 | ( 19) MG/L | 0 | 01/90 | GR |
| 78732 T 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** **** **** | | ****** | REPORT MO AVG | REPORT DAILY MX | MG/L | | 3TRLY | GRAB |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | TELEPHONE | DATE | | |
|---|---|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll | 413 448-5902 | 2006 | 4 | 24 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE / NUMBER | YEAR | MO | DAY |

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

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location if Different)*
NAME GENERAL ELECTRIC CORPORATION
ADDRESS ATTN: JEFFREY G. RUEBESAM
.00 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 | 064 T |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

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

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 03 | 01 | TO | 06 | 03 | 31 |

*** NO DISCHARGE | | ***

**NOTE: Read instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| PH | SAMPLE MEASUREMENT | ****** | ****** | | 7.0 | ****** | 7.8 | ( 12) SU | 0 | 99/99 | RCDR |
| 00400 T 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | 6.0 MINIMUM | ****** | 9.0 MAXIMUM | SU | | WEEKLY | RANG-G |
| DIBENZOFURAN | SAMPLE MEASUREMENT | ****** | ****** | | ****** | NODI [6] | NODI [6] | ( 22) | | | |
| 81302 T 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | REPORT MO 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 | | TELEPHONE | DATE | | |
|---|---|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll | 413 448-5902 | 2006 | 4 | 24 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE / NUMBER | YEAR | MO | DAY |

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

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

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

Form Approved.
OMB No. 2040-0004

| PERMIT NUMBER | DISCHARGE NUMBER |
|---|---|
| MA0003891 | 007 1 |

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

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 03 | 01 | TO | 06 | 03 | 31 |

*** NO DISCHARGE NOT ***

**NOTE: Read instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| TEMPERATURE, WATER DEG. FAHRENHEIT | SAMPLE MEASUREMENT | ******* | ******* | | ******* | | | ( 15) | | | |
| 00011 W 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ******* | ******* **** **** | | ******* | 70 MO 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 | SU | | WEEKLY | RANG-G |
| POLYCHLORINATED BIPHENYLS (PCBS) | SAMPLE MEASUREMENT | ******* | ******* | | ******* | | | ( 21) | | | |
| 39516 W 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ******* | ******* **** **** | | ******* | REPORT MO AVG | REPORT DAILY MX | PPB | | QTRLY | GRAB |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | | | ( 03) | ******* | ******* | ******* | | | | |
| 50050 W 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | REPORT MO AVG | REPORT DAILY MX | MGD | ******* | ******* | ******* | **** **** | | ONCE/ MONTH | CALCTD |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | | TELEPHONE | DATE | | |
|---|---|---|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll | 413 448-5902 | 2006 | 4 | 24 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE / NUMBER | YEAR | MO | DAY |

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

Form Approved.
OMB No. 2040-0004

**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 | 009 1 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

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

*** NO DISCHARGE | | ***

**NOTE: Read instructions before completing this form.**

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 03 | 01 | TO | 06 | 03 | 31 |

| PARAMETER | | QUANTITY OR LOADING AVERAGE | QUANTITY OR LOADING MAXIMUM | QUANTITY OR LOADING UNITS | QUALITY OR CONCENTRATION MINIMUM | QUALITY OR CONCENTRATION AVERAGE | QUALITY OR CONCENTRATION MAXIMUM | QUALITY OR CONCENTRATION UNITS | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 MO AVG | 438 DAILY MX | LBS/DY | ****** | ****** | ****** | **** **** | | WEEKLY | COMPOS |
| PH 00400 V 0 0 SEE COMMENTS BELOW | SAMPLE MEASUREMENT | ****** | ****** | | 7.4 | ****** | 7.4 | ( 12) SU | 0 | 01/DW | GR |
| | PERMIT REQUIREMENT | ****** | ****** **** **** | | 6.0 MINIMUM | ****** | 9.0 MAXIMUM | SU | | WEEKLY | RANG-G |
| SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW | SAMPLE MEASUREMENT | 6.3 | 22.6 | ( 26) LBS/DY | ****** | ****** | ****** | | 0 | 01/07 | CP |
| | PERMIT REQUIREMENT | 213 MO AVG | 876 DAILY MX | LBS/DY | ****** | ****** | ****** | **** **** | | WEEKLY | COMPOS |
| OIL & GREASE 00556 V 0 0 SEE COMMENTS BELOW | SAMPLE MEASUREMENT | ****** | 0.3 | ( 26) LBS/DY | ****** | ****** | 5.3 | ( 19) MG/L | 0 | 01/DW | GR |
| | PERMIT REQUIREMENT | ****** | 438 DAILY MX | LBS/DY | ****** | ****** | 15 DAILY MX | MG/L | | WEEKLY | GRAB |
| POLYCHLORINATED BIPHENYLS (PCBS) 39516 V 0 0 SEE COMMENTS BELOW | SAMPLE MEASUREMENT | ****** | ****** | | ****** | 0.0002 | 0.0002 | ( 19) MG/L | 0 | 01/90 | GR |
| | PERMIT REQUIREMENT | ****** | ****** **** **** | | ****** | REPORT MO AVG | REPORT DAILY MX | MG/L | | QTRLY | GRAB |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V 0 0 SEE COMMENTS BELOW | SAMPLE MEASUREMENT | 0.010 | 0.038 | ( 03) MGD | ****** | ****** | ****** | | 0 | 99/99 | RC |
| | PERMIT REQUIREMENT | REPORT MO AVG | REPORT DAILY MX | MGD | ****** | ****** | ****** | **** **** | | CONTIN UOUS | RCORDR |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | TELEPHONE | | DATE | | |
|---|---|---|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll | 413 448-5902 | 2000 | 4 | 24 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE / NUMBER | YEAR | MO | DAY |

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

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

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

Form Approved.
OMB No. 2040-0004

MA0003891 — PERMIT NUMBER
009 A — DISCHARGE NUMBER

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

*** NO DISCHARGE ***

MONITORING PERIOD

| | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 03 | 01 | TO | 06 | 03 | 31 |

**NOTE: Read instructions before completing this form.**

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

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | TELEPHONE | | DATE | | |
|---|---|---|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll | 413 448-5902 | 2006 | 4 | 24 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE / NUMBER | YEAR | MO | DAY |

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

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

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

Form Approved.
OMB No. 2040-0004

| MA0003891 | 009 B |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

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

*** NO DISCHARGE [ ] ***

**NOTE: Read Instructions before completing this form.**

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 03 | 01 | TO | 06 | 03 | 31 |

| PARAMETER | | 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 MO AVG | 438 DAILY MX | LBS/DY | ****** | ****** | ****** | **** **** | | WEEKLY | COMPOS |
| SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW | SAMPLE MEASUREMENT | 6.3 | 22.6 | ( 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 0 0 SEE COMMENTS BELOW | SAMPLE MEASUREMENT | 0.010 | 0.038 | ( 03) MGD | ****** | ****** | ****** | | 0 | 99/99 | RC |
| | PERMIT REQUIREMENT | REPORT MO AVG | REPORT DAILY MX | MGD | ****** | ****** | ****** | **** **** | | CONTIN UOUS | RECORDR |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | - | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | TELEPHONE | DATE | | |
|---|---|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll | 413 448-5902 | 2006 | 4 | 24 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE / NUMBER | YEAR | MO | DAY |

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

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

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

Form Approved.
OMB No. 2040-0004

| MA0003891 | SUM A |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

MONITORING PERIOD

| | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 03 | 01 | TO | 06 | 03 | 31 |

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

*** NO DISCHARGE [ ] ***

**NOTE: Read Instructions before completing this form.**

| PARAMETER | | 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 | ****** | 0.2 | ( 26) LBS/DY | ****** | ****** | ****** | | 0 | 01/30 | CP |
| | PERMIT REQUIREMENT | ****** | REPORT DAILY MX | LBS/DY 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 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 LBS/DY | ****** | ****** | ****** | **** **** | | ONCE/ MONTH | COMPOS |
| ZINC TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ****** | 0.9 | ( 26) LBS/DY | ****** | ****** | ****** | | 0 | 01/07 | CP |
| | PERMIT REQUIREMENT | ****** | REPORT DAILY MX | LBS/DY LBS/DY | ****** | ****** | ****** | **** **** | | WEEKLY | COMPOS |
| ALUMINUM, TOTAL (AS AL) 01105 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ****** | 2.4 | ( 26) LBS/DY | ****** | ****** | ****** | | 0 | 01/30 | CP |
| | PERMIT REQUIREMENT | ****** | REPORT DAILY MX | LBS/DY 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 LBS/DY | ****** | ****** | ****** | **** **** | | ONCE/ MONTH | COMPOS |
| LEAD TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ****** | 0.29 | ( 26) LBS/DY | ****** | ****** | ****** | | 0 | 01/07 | CP |
| | PERMIT REQUIREMENT | ****** | REPORT DAILY MX | LBS/DY 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 | | DATE | | |
|---|---|---|---|---|
| AREA CODE | NUMBER | YEAR | MO | DAY |
| 413 | 448-5902 | 2006 | 4 | 24 |

**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 | SUM A | MAJOR<br>(SUBR W )<br>F - FINAL |
|---|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER | METALS: 001, 004, 005, 007, 009, 011 |

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 03 | 01 | TO | 06 | 03 | 31 |

*** NO DISCHARGE [ ] ***

**NOTE: Read instructions before completing this form.**

| PARAMETER | | 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 | ****** | 0.01 | ( 26) | ****** | ****** | ****** | | 0 | 01/30 | CP |
| | PERMIT REQUIREMENT | ****** | REPORT DAILY MX | LBS/DY LBS/DY | ****** | ****** | ****** | **** **** | | ONCE/ MONTH | COMPOS |
| COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ****** | 0.25 | ( 26) | ****** | ****** | ****** | | 0 | 01/07 | CP |
| | PERMIT REQUIREMENT | ****** | REPORT DAILY MX | LBS/DY LBS/DY | ****** | ****** | ****** | **** **** | | WEEKLY | COMPOS |
| CYANIDE, TOTAL RECOVERABLE 78248 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ****** | 0.12 | ( 26) | ****** | ****** | ****** | | 0 | 01/30 | CP |
| | PERMIT REQUIREMENT | ****** | REPORT DAILY MX | LBS/DY 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 | | | TELEPHONE | | DATE | | |
|---|---|---|---|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll | 413 | 448-5902 | 2006 | 4 | 24 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE | NUMBER | YEAR | MO | DAY |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
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 | SUM B |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

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

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 03 | 01 | TO | 06 | 03 | 31 |

*** NO DISCHARGE [ ] ***

**NOTE: Read instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| NOAEL STATRE 48HR AC U. D. PULEX TDM3D 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ****** | ****** | | NODI [9] | ****** | ****** | ( 23) | | | |
| | PERMIT REQUIREMENT | ****** | ****** | **** **** | 35 DAILY MN | ****** | ****** | 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 | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | | TELEPHONE | DATE | | |
|---|---|---|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll | 413 448-5902 | 2006 | 4 | 24 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE / NUMBER | YEAR | MO | DAY |

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

PERMITTEE NAME/ADDRESS *(Includes 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 | SUM C |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

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

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 01 | 01 | TO | 06 | 03 | 31 |

*** NO DISCHARGE | | ***

**NOTE: Read Instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| NOAEL STATRE 48HR AC U. D. PULEX TDM3D 1 0 0 EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ****** | ****** | | 100 | ****** | ****** | ( 23) % | 0 | 01/30 | CP |
| | PERMIT REQUIREMENT | ****** | ****** **** **** | | REPORT DAILY MN | ****** | ****** | PER-CENT | | 3TRLY | COMPOS |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | 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 | | TELEPHONE | DATE |
|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll | 413 448-5902 | 2006 4 29 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE / NUMBER | YEAR / MO / DAY |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
QUARTERLY WET WEATHER ACUTE. COMPOSITE PROPORTIONATE TO FLOW. SEE DMR SUMB FOR DRY WEATHER TESTING.
SUBMIT THIS DMR WITH A NODI '9' WHEN SUBMITTING DRY WEATHER ON DMR SUMB.

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 | 005 A |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

MAJOR
(SUBR W )
F - FINAL
NON PROCESS/STORMWATER BYPASS

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 01 | 01 | TO | 06 | 03 | 31 |

*** NO DISCHARGE | | ***

**NOTE: Read instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| PH | SAMPLE MEASUREMENT | ****** | ****** | | 7.2 | ****** | 7.2 | ( 12) | 0 | 01/90 | GR |
| 00400 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | 6.0 MINIMUM | ****** | 9.0 MAXIMUM | SU SU | | QTRLY | RANG-G |
| PH | SAMPLE MEASUREMENT | ****** | ****** | | NODI C | ****** | NODI C | ( 12) | | | |
| 00400 U 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | 6.0 MINIMUM | ****** | 9.0 MAXIMUM | SU | | QTRLY | RANG-G |
| OIL & GREASE | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | 2.2 | ( 20) | 0 | 01/90 | GR |
| 00556 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | 15 DAILY MX | PPM PPM | | QTRLY | GRAB |
| OIL & GREASE | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | NODI C | ( 20) | | | |
| 00556 U 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | 15 DAILY MX | PPM | | QTRLY | GRAB |
| POLYCHLORINATED BIPHENYLS (PCBS) | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | 1.5 | ( 21) | 0 | 01/90 | GR |
| 39516 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | REPORT DAILY MX | PPB PPB | | QTRLY | GRAB |
| POLYCHLORINATED BIPHENYLS (PCBS) | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | NODI C | ( 21) | | | |
| 39516 U 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | REPORT DAILY MX | PPB | | QTRLY | GRAB |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | ****** | 1.63 | ( 03) MGD | ****** | ****** | ****** | | 0 | 01/90 | ES |
| 50050 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | REPORT DAILY MX | MGD | ****** | ****** | ****** | **** **** | | QTRLY | ESTIMA |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | | TELEPHONE | DATE | | |
|---|---|---|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll | 413 494-3500 | 2006 | 4 | 24 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE NUMBER | YEAR | MO | DAY |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
QUARTERLY. SAMPLE AT POINT OF DISCHARGE. SEE PAGES 16-17 FOR WET WEATHER REQUIREMENTS FOR LIMITS WITH MONITORING LOCATION OF 'S'. SEE PAGE 18 FOR DRY WEATHER REQUIREMENTS FOR LIMITS WITH MONITORING LOCATION OF 'U'. IF NO DISCHARGE USE '9'.

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 | 005 A |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

MAJOR
(SUBR W )
F - FINAL
NON PROCESS/STORMWATER BYPASS

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 01 | 01 | TO | 06 | 03 | 31 |

*** NO DISCHARGE [ ] ***

**NOTE: Read instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 U 0 0 SEE COMMENTS BELOW | SAMPLE MEASUREMENT | ****** | | ( 03) | ****** | ****** | ****** | | | | |
| | PERMIT REQUIREMENT | ****** | NODI(C) REPORT DAILY MX | MGD | ****** | ****** | ****** | **** **** | | QTRLY | ESTIMA |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | 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 | | TELEPHONE | DATE |
|---|---|---|---|
| Michael T. Carroll<br>Mgr. Pittsfield Remediation Prog<br>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<br>SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE 413 NUMBER 494-3500<br>YEAR 2000 MO 4 DAY 24 |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
QUARTERLY. SAMPLE AT POINT OF DISCHARGE. SEE PAGES 16-17 FOR WET WEATHER REQUIREMENTS FOR LIMITS WITH MONITORING LOCATION OF 'S'. SEE PAGE 18 FOR DRY WEATHER REQUIREMENTS FOR LIMITS WITH MONITORING LOCATION OF 'U'. IF NO DISCHARGE USE 'Y'.

PERMITTEE NAME/ADDRESS *(Includs 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

| PERMIT NUMBER | DISCHARGE NUMBER |
|---|---|
| MA0003891 | 005 B |

MAJOR
(SUBR W )
F - FINAL
NON PROCESS/STORMWATER BYPASS

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 01 | 01 | TO | 06 | 03 | 31 |

*** NO DISCHARGE | | ***

**NOTE: Read instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| PH | SAMPLE MEASUREMENT | ****** | ****** | | 7.5 | ****** | 7.5 | ( 12) SU | 0 | 01/90 | GR |
| 00400 S O O SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | 6.0 MINIMUM | ****** | 9.0 MAXIMUM | SU | | QTRLY | RANG-G |
| OIL & GREASE | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | 5.9 | ( 20) PPM | 0 | 01/90 | GR |
| 00556 S O O SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | 15 DAILY MX | PPM | | QTRLY | GRAB |
| POLYCHLORINATED BIPHENYLS (PCBS) | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | 7.9 | ( 21) PPB | 0 | 01/90 | GR |
| 39516 S O O SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | REPORT DAILY MX | PPB | | QTRLY | GRAB |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | ****** | 0.288 | ( 03) MGD | ****** | ****** | ****** | | 0 | 01/90 | ES |
| 50050 S O O SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | REPORT DAILY MX | MGD | ****** | ****** | ****** | **** **** | | QTRLY | ESTIMA |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | | TELEPHONE | DATE | | |
|---|---|---|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll | 413 494-3500 | 2006 | 4 | 24 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE / NUMBER | YEAR | MO | DAY |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
QUARTERLY. SAMPLE AT POINT OF DISCHARGE.

Form Approved.
OMB No. 2040-0004

**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 | 006 1 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

MONITORING PERIOD

| | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 01 | 01 | TO | 06 | 03 | 31 |

MAJOR
(SUBR W )
F - FINAL
NON PROCESS/STORMWATER BYPASS
*** NO DISCHARGE [ ] ***
**NOTE: Read instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| PH | SAMPLE MEASUREMENT | ******* | ******* | | 7.2 | ******* | 7.2 | ( 12) SU | 0 | 01/90 | GR |
| 00400 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ******* | ******* | ****** **** | 6.0 MINIMUM | ******* | 9.0 MAXIMUM | SU | | QTRLY | RANG-G |
| PH | SAMPLE MEASUREMENT | ******* | ******* | | NODI [C] | ******* | NODI [C] | ( 12) | | | |
| 00400 U 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ******* | ******* | ****** **** | 6.0 MINIMUM | ******* | 9.0 MAXIMUM | SU | | QTRLY | RANG-G |
| OIL & GREASE | SAMPLE MEASUREMENT | ******* | ******* | | ******* | ******* | 2.3 | ( 20) PPM | 0 | 01/90 | GR |
| 00556 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ******* | ******* | ****** **** | ******* | ******* | 15 DAILY MX | PPM | | QTRLY | GRAB |
| OIL & GREASE | SAMPLE MEASUREMENT | ******* | ******* | | ******* | ******* | NODI [C] | ( 20) | | | |
| 00556 U 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ******* | ******* | ****** **** | ******* | ******* | 15 DAILY MX | PPM | | QTRLY | GRAB |
| POLYCHLORINATED BIPHENYLS (PCBS) | SAMPLE MEASUREMENT | ******* | ******* | | ******* | ******* | 0.4 | ( 21) PPB | 0 | 01/90 | GR |
| 39516 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ******* | ******* | ****** **** | ******* | ******* | REPORT DAILY MX | PPB | | QTRLY | GRAB |
| POLYCHLORINATED BIPHENYLS (PCBS) | SAMPLE MEASUREMENT | ******* | ******* | | ******* | ******* | NODI [C] | ( 21) | | | |
| 39516 U 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ******* | ******* | ****** **** | ******* | ******* | REPORT DAILY MX | PPB | | QTRLY | GRAB |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | ******* | 0.046 | ( 03) MGD | ******* | ******* | ******* | | 0 | 01/90 | ES |
| 50050 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ******* | REPORT DAILY MX | MGD | ******* | ******* | ******* | **** **** | | QTRLY | ESTIMA |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | TELEPHONE | | DATE | | |
|---|---|---|---|---|---|---|
| Michael T. Carroll<br>Mgr. Pittsfield Remediation Prog. | M. T. Carroll | 413 494-3500 | | 2003 | 4 | 29 |
| TYPED OR PRINTED | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE | NUMBER | YEAR | MO | DAY |

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.

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
QUARTERLY. SAMPLE AT POINT OF DISCHARGE. SEE PAGES 16-17 FOR WET WEATHER REQUIREMENTS. FOR LIMITS WITH MONITORING LOCATION OF 'S'. SEE PAGE 18 FOR DRY WEATHER REQUIREMENTS FOR LIMITS WITH MONITORING LOCATION OF 'U'. IF NO DISCHARGE USE '9'.

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 | 006 1 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

MAJOR
(SUBR W )
F - FINAL
NON PROCESS/STORMWATER BYPASS

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 01 | 01 | TO | 06 | 03 | 31 |

*** NO DISCHARGE | | ***

**NOTE: Read instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 U 0 0 SEE COMMENTS BELOW | SAMPLE MEASUREMENT | ****** | | ( 03) | ****** | ****** | ****** | | | | |
| | PERMIT REQUIREMENT | ****** | NODI C REPORT DAILY MX | MGD | ****** | ****** | ****** | **** **** | | 3TRLY | ESTIMA |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | 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 | | TELEPHONE | DATE |
|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll<br>SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | 413 494-3500<br>AREA CODE / NUMBER | 2006 4 24<br>YEAR MO DAY |
| TYPED OR PRINTED | | | | |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
QUARTERLY. SAMPLE AT POINT OF DISCHARGE. SEE PAGES 16-17 FOR WET WEATHER REQUIREMENTS. FOR LIMITS WITH MONITORING LOCATION OF 'S'. SEE PAGE 18 FOR DRY WEATHER REQUIREMENTS FOR LIMITS WITH MONITORING LOCATION OF 'U'. IF NO DISCHARGE USE '9'.

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

| PERMIT NUMBER | DISCHARGE NUMBER |
|---|---|
| MA0003891 | 006 A |

MAJOR
(SUBR W )
F - FINAL
NON PROCESS/STORMWATER BYPASS

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 01 | 01 | TO | 06 | 03 | 31 |

*** NO DISCHARGE | | ***

**NOTE: Read instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| PH | SAMPLE MEASUREMENT | ****** | ****** | | 7.4 | ****** | 7.4 | ( 12) SU | 0 | 01/90 | GR |
| 00400 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | 6.0 MINIMUM | ****** | 9.0 MAXIMUM | SU | | QTRLY | RANG-G |
| OIL & GREASE | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | 0 | ( 20) PPM | 0 | 01/90 | GR |
| 00556 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | 15 DAILY MX | PPM | | QTRLY | GRAB |
| POLYCHLORINATED BIPHENYLS (PCBS) | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | 0 | ( 21) PPB | 0 | 01/90 | GR |
| 39516 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | REPORT DAILY MX | PPB | | QTRLY | GRAB |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | ****** | 0.072 | ( 03) MGD | ****** | ****** | ****** | | 0 | 01/90 | ES |
| 50050 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | REPORT DAILY MX | MGD | ****** | ****** | ****** | **** **** | | QTRLY | ESTIMA |
| | SAMPLE MEASUREMENT | | | | | | | | - | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | | TELEPHONE | DATE | | |
|---|---|---|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll | 413 448-5902 | 2003 | 4 | 29 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE / NUMBER | YEAR | MO | DAY |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
QUARTERLY. SAMPLE AT POINT OF DISCHARGE.

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 | 002 D |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

MONITORING PERIOD

| | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 01 | 01 | TO | 06 | 03 | 31 |

MAJOR
(SUBR W )
F - FINAL
NON PROCESS/STORMWATER BYPASS

*** NO DISCHARGE | | ***

**NOTE: Read instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| PH | SAMPLE MEASUREMENT | ****** | ****** | | NODI [E] | ****** | NODI [E] | ( 12) | | | |
| 00400 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | 6.0 MINIMUM | ****** | 9.0 MAXIMUM | SU | | QTRLY | RANG-G |
| OIL & GREASE | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | NODI [E] | ( 20) | | | |
| 00556 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | 15 DAILY MX | PPM | | QTRLY | GRAB |
| POLYCHLORINATED BIPHENYLS (PCBS) | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | NODI [E] | ( 21) | | | |
| 39516 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | REPORT DAILY MX | PPB | | QTRLY | GRAB |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | ****** | NODI [E] | ( 03) | ****** | ****** | ****** | | | | |
| 50050 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | REPORT DAILY MX | MGD | ****** | ****** | ****** | **** **** | | QTRLY | ESTIMA |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | | TELEPHONE | DATE | | |
|---|---|---|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll | 413 494-3500 | 2006 | 4 | 24 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE / NUMBER | YEAR | MO | DAY |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
QUARTERLY. SAMPLE AT POINT OF DISCHARGE.

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

| PERMIT NUMBER | DISCHARGE NUMBER |
|---|---|
| MA0003891 | SRO 1 |

MAJOR
(SUBR W )
F - FINAL
NON PROCESS/STORMWATER BYPASS

MONITORING PERIOD

| | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 01 | 01 | TO | 06 | 03 | 31 |

*** NO DISCHARGE [ ] ***
**NOTE: Read Instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| PH | SAMPLE MEASUREMENT | ****** | ****** | | NODI [E] | ****** | NODI [E] | ( 12) | | | |
| 00400 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | 6.0 MINIMUM | ****** | 9.0 MAXIMUM | SU | | 1/TRLY | GRAB |
| OIL & GREASE | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | NODI [E] | ( 20) | | | |
| 00556 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | 15 DAILY MX | PPM | | 1/TRLY | GRAB |
| POLYCHLORINATED BIPHENYLS (PCBS) | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | NODI [E] | ( 21) | | | |
| 39516 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | REPORT DAILY MX | PPB | | 1/TRLY | GRAB |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | ****** | NODI [E] | ( 03) | ****** | ****** | ****** | | | | |
| 50050 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | REPORT DAILY MX | MGD | ****** | ****** | ****** | **** **** | | 1/TRLY | ESTIM |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | | TELEPHONE | DATE | | |
|---|---|---|---|---|---|---|
| Michael T. Carroll<br>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. | M. T Carroll | 413 448-5902 | 2006 | 4 | 24 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE / NUMBER | YEAR | MO | DAY |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
SAMPLE AT POINT OF DISCHARGE.

Form Approved.
OMB No. 2040-0004

**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)*

| PERMIT NUMBER | DISCHARGE NUMBER |
|---|---|
| MA0003891 | SRO 2 |

MAJOR
(SUBR W )
F -- FINAL
NON PROCESS/STORMWATER BYPASS

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 01 | 01 | TO | 06 | 03 | 31 |

*** NO DISCHARGE [ ] ***

**NOTE: Read instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING AVERAGE | QUANTITY OR LOADING MAXIMUM | QUANTITY OR LOADING UNITS | QUALITY OR CONCENTRATION MINIMUM | QUALITY OR CONCENTRATION AVERAGE | QUALITY OR CONCENTRATION MAXIMUM | QUALITY OR CONCENTRATION UNITS | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PH | SAMPLE MEASUREMENT | ****** | ****** | | NODI [E] | ****** | NODI [E] | ( 12) | | | |
| 00400 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | 6.0 MINIMUM | ****** | 9.0 MAXIMUM | SU | | QTRLY | RANG-G |
| OIL & GREASE | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | NODI [E] | ( 20) | | | |
| 00556 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | 15 DAILY MX | PPM | | QTRLY | GRAB |
| POLYCHLORINATED BIPHENYLS (PCBS) | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | NODI [E] | ( 21) | | | |
| 39516 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | REPORT DAILY MX | PPB | | QTRLY | GRAB |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | ****** | NODI [E] | ( 03) | ****** | ****** | ****** | | | | |
| 50050 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | REPORT DAILY MX | MGD | ****** | ****** | ****** | **** **** | | QTRLY | ESTIM |
| | 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 AREA CODE | TELEPHONE NUMBER | DATE YEAR | DATE MO | DATE DAY |
|---|---|---|---|---|
| 413 | 448-5902 | 2006 | 4 | 24 |

**COMMENTS AND EXPLANATION OF ANY VIOLATIONS** *(Reference all attachments here)*
SAMPLE AT POINT OF DISCHARGE.

Form Approved.
OMB No. 2040-0004

**PERMITTEE NAME/ADDRESS** *(Includes 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)*

| PERMIT NUMBER | DISCHARGE NUMBER |
|---|---|
| MA0003891 | SBD 3 |

MAJOR
(SUBR W )
F - FINAL
NON PROCESS/STORMWATER BYPASS

*** NO DISCHARGE [ ] ***

**NOTE: Read instructions before completing this form.**

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 01 | 01 | TO | 06 | 03 | 31 |

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| PH | SAMPLE MEASUREMENT | ****** | ****** | | NODI [E] | ****** | NODI [E] | ( 12) | | | |
| 00400 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | 6.0 MINIMUM | ****** | 9.0 MAXIMUM | SU | | 3TRLY | RANG-G |
| OIL & GREASE | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | NODI [E] | ( 20) | | | |
| 00556 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | 15 DAILY MX | PPM | | 3TRLY | GRAB |
| POLYCHLORINATED BIPHENYLS (PCBS) | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | NODI [E] | ( 21) | | | |
| 39516 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | REPORT DAILY MX | PPB | | 3TRLY | GRAB |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | ****** | NODI [E] | ( 03) | ****** | ****** | ****** | | | | |
| 50050 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | REPORT DAILY MX | MGD | ****** | ****** | ****** | **** **** | | 3TRLY | ESTIMA |
| | 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**
AREA CODE: 413 NUMBER: 448-5902

**DATE**
YEAR: 2006 MO: 4 DAY: 24

**COMMENTS AND EXPLANATION OF ANY VIOLATIONS** *(Reference all attachments here)*
SAMPLE AT POINT OF DISCHARGE.

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 | SRO 5 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

MAJOR
(SUBR W )
F - FINAL
NON PROCESS/STORMWATER BYPASS

MONITORING PERIOD

| | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 01 | 01 | TO | 06 | 03 | 31 |

*** NO DISCHARGE | | ***

**NOTE: Read instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| PH | SAMPLE MEASUREMENT | ****** | ****** | | NODI [E] | ****** | NODI [E] | ( 12) | | | |
| 00400 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | 6.0 MINIMUM | ****** | 9.0 MAXIMUM | SU | | GTRLY | GRAB |
| OIL & GREASE | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | NODI [E] | ( 20) | | | |
| 00556 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | 15 DAILY MX | PPM | | GTRLY | GRAB |
| POLYCHLORINATED BIPHENYLS (PCBS) | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | NODI [E] | ( 21) | | | |
| 39516 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** | **** **** | ****** | ****** | REPORT DAILY MX | PPB | | GTRLY | GRAB |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | ****** | NODI [E] | ( 03) | ****** | ****** | ****** | | | | |
| 50050 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | REPORT DAILY MX | MGD | ****** | ****** | ****** | **** **** | | GTRLY | ESTIMA |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | | TELEPHONE | DATE | | |
|---|---|---|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll | 413 448-5902 | 2006 | 4 | 24 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE / NUMBER | YEAR | MO | DAY |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
SAMPLE AT POINT OF DISCHARGE.

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 | SRO 4 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

MAJOR
(SUBR W )
F - FINAL
NON PROCESS/STORMWATER BYPASS

| MONITORING PERIOD | YEAR | MO | DAY | | YEAR | MO | DAY |
|---|---|---|---|---|---|---|---|
| FROM | 06 | 01 | 01 | TO | 06 | 03 | 31 |

*** NO DISCHARGE [X] ***

**NOTE: Read instructions before completing this form.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| PH | SAMPLE MEASUREMENT | ****** | ****** | | | ****** | | ( 12) | | | |
| 00400 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** **** **** | | 6.0 MINIMUM | ****** | 9.0 MAXIMUM | SU | | STRLY | RANG-G |
| OIL & GREASE | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | | ( 20) | | | |
| 00556 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** **** **** | | ****** | ****** | 15 DAILY MX | PPM | | STRLY | GRAB |
| POLYCHLORINATED BIPHENYLS (PCBS) | SAMPLE MEASUREMENT | ****** | ****** | | ****** | ****** | | ( 21) | | | |
| 39516 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | ****** **** **** | | ****** | ****** | REPORT DAILY MX | PPB | | STRLY | GRAB |
| FLOW, IN CONDUIT OR THRU TREATMENT PLANT | SAMPLE MEASUREMENT | ****** | | ( 03) | ****** | ****** | ****** | | | | |
| 50050 S 0 0 SEE COMMENTS BELOW | PERMIT REQUIREMENT | ****** | REPORT DAILY MX | MGD | ****** | ****** | ****** | **** **** | | STRLY | ESTIMA |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | | | TELEPHONE | DATE | | |
|---|---|---|---|---|---|---|
| Michael T. Carroll<br>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. | M. T. Carroll | 413 494-3500 | 2003 | 4 | 24 |
| TYPED OR PRINTED | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | AREA CODE / NUMBER | YEAR | MO | DAY |

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*
SAMPLE AT POINT OF DISCHARGE.

# *Attachment C*

# *NPDES Biomonitoring Report*
# *April 2006*

BLASLAND, BOUCK & LEE, INC.
*engineers, scientists, economists*

1 Mustard Street, Suite 250 Rochester, NY 14609-6925 (585) 288-5380 ph (585) 288-8475 fax

Columbia Analytical Services INC.
An Employee - Owned Company

April 24, 2006

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

Re: NPDES Biomonitoring Report for April 2006
Submission #: R2630904

Dear Mr. Nicholson:

Enclosed is our report on the Whole Effluent Toxicity testing conducted in April 2006. The Outfall Composite samples were collected on 4/4/06 at 11:00 am. The Housatonic River samples were collected on 4/4/06 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

Carlton Beechler
Project Manager

enc.

# NPDES BIOMONITORING REPORT

## GENERAL ELECTRIC COMPANY
## Pittsfield, MA
## NPDES PERMIT MA 0003891

### Monthly Acute Toxicity Monitoring
### Wet Weather Conditions
### APRIL 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: Carlton R. Beechler**
April 24, 2006

TABLE OF CONTENTS

I. Summary

On April 3-4, 2006 sampling of wastewater discharges from the General Electric Company facility in Pittsfield MA was conducted in accordance with the wet weather toxicity testing requirement of the GE NPDES Permit MA0003891. Composite samples were collected from GE outfalls 001, 005-64T, 005-64G and 09B 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 April 4, 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 April 3-4, 2006 was tested for 48-hour acute toxicity using Daphnia pulex organisms. The sample did not require dechlorination with sodium thiosulfate ($Na_2S_2O_3$) prior to toxicity testing. Aquatec Biological Sciences reported the results of this toxicity testing as follows:

| | |
|---|---|
| Effluent toxicity as NOAEL = | 100% |
| Effluent toxicity as $LC_{50}$ = | >100% |

No limit is established for wet weather NOAEL in the GE NPDES permit.

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

| Control Analysis | Result |
|---|---|
| Survival in 100% dilution water | 100% |
| Survival in laboratory water | 100% |
| Survival in laboratory water with 100 mg/L sodium thiosulfate | 100% |
| $LC_{50}$ for Daphnia pulex in sodium chloride reference toxicant solution | 4.243g NaCl/L April 6, 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.

Table I – Summary of Analytical results for

NPDES Outfall Composite Sample and Housatonic River Dilution Water
April 3-4, 2006

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

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

| Parameter Tested | Laboratory | Effluent Composite | Housatonic River |
|---|---|---|---|
| Ammonia | CAS | 0.170 | ND (0.0500) |
| Chloride | CAS | 138 | 17.8 |
| Total Alkalinity | CAS | 122 | 50.0 |
| Total Organic Carbon | CAS | 6.33 | 5.32 |
| Total Phosphorus | CAS | 0.127 | 0.107 |
| Total Solids | CAS | 446 | 144 |
| Total Suspended Solids | CAS | 27.4 | 52.2 |
| Hardness | Aquatec | 164 | 54 |
| Spec. Conductance (umhos) | Aquatec | 795 | 172 |
| pH (SU) | Aquatec | 7.7 | 7.5 |
| TRC (start of toxicity test) | Aquatec | ND | ND |
| | | | |
| Cyanide | CAS | 0.0183 | ND (0.0100) |
| Aluminum, total | CAS | 1.29 | 0.868 |
| Aluminum, dissolved | CAS | ND (0.100) | NA |
| Cadmium, total | CAS | ND (0.00500) | ND (0.00500) |
| Cadmium, dissolved | CAS | ND (0.00500) | NA |
| Chromium, total | CAS | ND (0.0100) | ND (0.0100) |
| Chromium, dissolved | CAS | ND (0.0100) | NA |
| Copper, total | CAS | 0.0227 | ND (0.0200) |
| Copper, dissolved | CAS | ND (0.0200) | NA |
| Lead, total | CAS | 0.0134 | ND (0.00500) |
| Lead, dissolved | CAS | ND (0.00500) | NA |
| Nickel, total | CAS | ND (0.0400) | ND (0.0400) |
| Nickel, dissolved | CAS | ND (0.0400) | NA |
| Silver, total | CAS | ND (0.0100) | ND (0.0100) |
| Silver, dissolved | CAS | ND (0.0100) | NA |
| Zinc, total | CAS | 0.0830 | ND (0.0200) |
| Zinc, dissolved | CAS | 0.0481 | NA |
| pH (SU) | OB&G | 7.79 | 7.91 |
| Hardness | Aquatec | 164 | 54 |

All results are mg/L unless otherwise indicated.

ND – Not detected (Number in parentheses is detection limit.)

NA – Not analyzed

# APPENDIX 1

Chemical and Acute Toxicity Data

Aquatec Biological Sciences

Aquatec Biological Sciences

Ecology | Environmental Toxicology | Natural Resource Assessments | Microbiology

April 14, 2006

Mr. Carl Beechler
Columbia Analytical Services,
1 Mustard Street – Suite 250
Rochester, NY 14609

Dear Mr. Beechler:

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 April 4, 2006.

According to the Chain-of-Custody documentation the samples for Whole Effluent Toxicity (WET) Testing were collected on April 4, 2006. The samples were transported to Aquatec Biological Sciences, Inc. by courier service and delivered on the same day. The effluent sample (Sample 31645) was logged in for the acute 48-hour static toxicity test with *Daphnia pulex*. The receiving water sample (Sample 31646) 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 April 5, 2006, within the specified holding time.

At the conclusion of the toxicity test on April 7, 2006, a final count of surviving organisms was completed. The average survival ranged from 96 - 100 percent in all test concentrations. The 100 percent effluent had 100 percent survival and the receiving water control had 100 percent survival. Acute toxicity to *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

273 Commerce Street, Williston, VT 05495 Tel: 802.860.1638 Fax: 802.658.3189

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

Samples Collected in April 2006

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

SDG number: 9445
Effluent sample ID: Outfall Composite Aquatec sample number: 31645
Receiving water sample ID: Housatonic River Aquatec sample number: 31646

Study Director: John Williams

April 14, 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

4/14/06
Date

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

4/14/06
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: 4/14/06

Authorized signature

John Williams
Name

Manager, Environmental Toxicology
Title

Aquatec Biological Sciences, Inc.
Laboratory

# Table of Contents

# List of Tables

# 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*, 5th Ed., October 2002. Method 2021.0 |
| Aquatec SDG: | 9445 |
| Test material: | Composite effluent from the General Electric Company located in Pittsfield, Massachusetts |
| GE sample ID: | OUTFALL COMPOSITE |
| Dilution water: | Water from the Housatonic River (grab sample) |
| GE sample ID: | HOUSATONIC RIVER |
| Dates collected: | April 4, 2006 |
| Date received: | April 4, 2006 |
| Test dates: | April 5 to April 7, 2006 |
| Test concentrations: | 100%, 75%, 50%, 35%, 15%, 5% effluent.<br>Dilution water control (Housatonic River)<br>Laboratory control 1 (culture water)<br>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 April 5 to April 7, 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*, 5th 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 (Outfall Composite) was collected by GE personnel from April 3 to April 4, 2006. The receiving water sample (Housatonic River) was a grab collected from the Housatonic River on April 4, 2006. Samples were delivered to Aquatec on the same day. Upon receipt at Aquatec on April 4, 2006, the temperature of the temperature blank contained within the cooler was 4.3°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 (7.7); dissolved oxygen (8.1 mg/L); conductivity (223 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 $CaCO_3$) | 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-Karber method, was 4.24 g NaCl/L with 95% confidence intervals of 1.57 – 4.69 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

Qualifiers or special conditions were not applicable to the reported toxicity test.

# 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. 17th Edition

U.S. Environmental Protection Agency, 2002. 5th 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).**

| Parameter | Effluent OUTFALL COMPOSITE | Housatonic River HOUSATONIC RIVER |
|---|---|---|
| Temperature | 19.5 | 19.9 |
| pH | 7.7 | 7.5 |
| Alkalinity (as $CaCO_3$), mg/L | 136 | 40 |
| Hardness (as $CaCO_3$), mg/L | 164 | 54 |
| Dissolved oxygen, mg/L | 8.6 | 8.5 |
| Specific conductivity, uS/cm | 795 | 172 |
| Salinity ($^o/_{oo}$) | 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, April 5-7, 2006.**

| Test Concentration (% effluent) | pH | | | Dissolved Oxygen (mg/L) | | | Temperature (°C) | | |
|---|---|---|---|---|---|---|---|---|---|
| | 0 | 24 | 48 | 0 | 24 | 48 | 0 | 24 | 48 |
| **Dechl. Control** | 7.8 | - | 7.5 | 8.1 | - | 8.5 | 21.0 | 20.7 | 20.6 |
| **Lab Control** | 7.7 | - | 7.5 | 8.1 | - | 8.5 | 20.5 | 20.6 | 20.7 |
| **Dilution Control** | 7.5 | - | 7.5 | 8.5 | - | 8.5 | 19.9 | 20.4 | 20.4 |
| **5%** | 7.5 | - | 7.4 | 8.7 | - | 8.5 | 19.8 | 20.4 | 20.5 |
| **15%** | 7.5 | - | 7.5 | 8.8 | - | 8.6 | 19.9 | 20.4 | 20.4 |
| **35%** | 7.6 | - | 7.6 | 8.8 | - | 8.6 | 19.8 | 20.6 | 20.4 |
| **50%** | 7.6 | - | 7.7 | 8.8 | - | 8.6 | 19.8 | 20.5 | 20.5 |
| **75%** | 7.6 | - | 7.9 | 8.7 | - | 8.7 | 19.7 | 20.4 | 20.5 |
| **100%** | 7.7 | - | 8.0 | 8.6 | - | 8.8 | 19.5 | 20.4 | 20.5 |

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, April 5-7, 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 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lab Control | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rec. Control | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 5% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 4 |
| 35% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 50% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 4 |
| 75% | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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

# Aquatec Biological Sciences

## Chain-of-Custody Record

273 Commerce Street
Williston, VT 05495
TEL: (802) 860-1638
FAX: (802) 658-3189

| COMPANY INFORMATION | COMPANY'S PROJECT INFORMATION | SHIPPING INFORMATION |
|---|---|---|
| Name: General Electric Company | Project Name: GE PITTSFIELD | Carrier: |
| Address: O'Brien & Gere | **Outfall Composite** | |
| 1000 East Street, Gate 64 | Project Number: 06004 | Airbill Number: |
| City/State/Zip: Pittsfield, MA 01201 | Sampler Name(s): Mark Wasnewsky | Date Shipped: 4-4-06 |
| Telephone: (413) 494-6709 | | |
| Facsimile: | | |
| Contact Name: Mark Wasnewsky | Quote #: 10/05 Client Code: GECO | Hand Delivered: ☐ Yes ☐ No |

| SAMPLE IDENTIFICATION | COLLECTION DATE | COLLECTION TIME | GRAB | COMPOSITE | MATRIX | ANALYSIS (detection limits, mg/L) | VOLUME/CONTAINER TYPE/ PRESERVATIVE: NUMBER OF CONTAINERS — 4°C Plastic 1 gal | 4°C Plastic 1/2 gal | 4°C $H_2SO_4$ Plastic 1 L | 4°C $H_2SO_4$ Glass 40 ml | 4°C Amber Glass 250 ml | 4°C $HNO_3$ Plastic 0.5 L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Outfall Composite | 4-4-06 | 11 00 AM | | ✓ | Effluent | *Daphnia pulex* 48-h Static Acute Toxicity (EPA Method 2021.0). Log in for A48DPS | 1 | | | | | |
| Outfall Composite | ↓ | 11 00 AM | | ✓ | Effluent | Total Residual Chlorine | | | | | 1 | |
| Housatonic River | | 8 15 AM | ✓ | | Receiving | Dilution Water | 1 | | | | | |
| Housatonic River | ↓ | 8 15 AM | ✓ | | Receiving | Total Residual Chlorine | | | | | 1 | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| Relinquished by: *(signature)* | DATE | TIME | Received by: *(signature)* |
|---|---|---|---|
| Mark Wasnewsky | 4-4-06 | 1137 | Stewart Rambler |
| Relinquished by: *(signature)* | DATE | TIME | Received by: *(signature)* |
| Raven | 4-4-06 | 16:00 | Raven Downey |
| Relinquished by: *(signature)* | DATE | TIME | Received by: *(signature)* |

**NOTES TO SAMPLER(S): (1): Complete the labels (Date, time, initials) and cover the labels with clear tape. Tape the caps of the sample bottles to ensure that they do not become dislodged during shipment. Nest the samples in sufficient ice to maintain 0°C – 6°C. Results for samples received at temperatures exceeding 6°C will be qualified in the report.**

Notes to Lab: Ambient cooler temperature: 4.3 °C. Dechlorinate the effluent sample if chlorine is detected.

# Appendix 2
# Summary of Test Conditions

**Client: GENERAL ELECTRIC, PITTSFIELD, MA, MA0003891** **SDG: 9445**

**Test Description: Daphnid, *Daphnia pulex*, acute toxicity test**

ASSOCIATED PROTOCOL: EPA 2002, 5th ed. (EPA-821-R-02-012) *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms*, **Method 2002.0**

| | |
|---|---|
| 1. Test type: | Static, non-renewal |
| 2. Test temperature: | 20 ± 1°C |
| 3. Light quality: | Ambient laboratory illumination |
| 4. Photoperiod: | 16 hr. light, 8 hr. dark |
| 5. Test chamber size: | 30 ml |
| 6. Test solution volume: | 15-20 ml / replicate |
| 7. Renewal of test concentrations: | None |
| 8. Age of test organisms: | Less than 24 h |
| 9. No. organisms / test chamber: | 5 |
| 10. No. of replicate chambers / concentration: | 5 |
| 11. No. of organisms / concentration: | 20 |
| 12. Feeding regime: | Feed 0.1 ml of YTC and algal suspension prior to testing. Not fed during test. |
| 13. Cleaning: | None |
| 14. Aeration: | None |
| 15. Dilution water: | Receiving Water (Housatonic River) |
| 16. Test concentrations: | 5, 15, 35, 50, 75, 100% |
| 17. Laboratory control: | 1:1 mix of reconstituted moderately hard water and Lamoille River water. Dechlorination control. |
| 18. Test duration: | 48 h |
| 19. Monitoring: | Day 0: temperature, DO, pH, and conductivity.<br>Day 1: temperature, DO, pH, and conductivity.<br>Day 2: temperature, DO, pH<br>Hardness, alkalinity, salinity, TRC<br>Biological monitoring daily (survival) |
| 19. End points: | Survival |
| 20. Reference toxicant test: | Sodium chloride 48-h LC50 |
| 21. Test acceptability | 90% or greater |
| 22. Data interpretation: | Acute: 48 h LC50 (Point estimate by EPA statistical flowchart using TOXIS 2) and A-NOEC by hypothesis test statistics compared to the receiving water control (EPA statistical flowchart using TOXIS 2) |

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

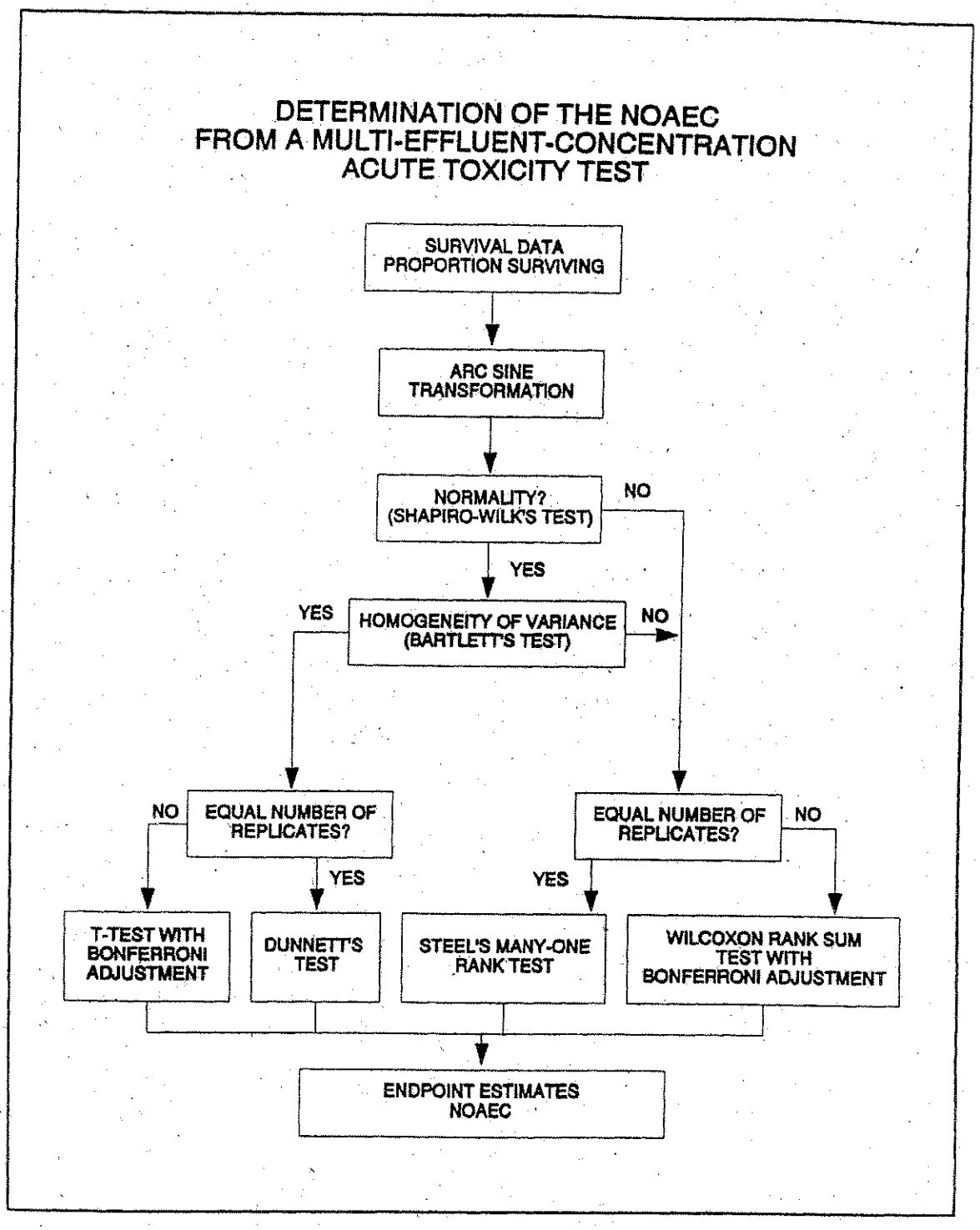



Figure 13. Flowchart for analysis of multi-effluent-concentration test data.

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

Aquatec Biological Sciences, Inc.

Test Date: 4/05/06
Sample Date: 4/04/06
Species: Daphnia pulex
Test Type: Acute - 48 hours

Test Number: 47288
Test Material: Effluent - Industrial %
Source: MA0003891
General Electric Company
Pittsfield, MA

SUMMARY

| End Point | Day | Transformation | | Conc | | #Reps | Mean | StDev | % Surv |
|---|---|---|---|---|---|---|---|---|---|
| Proportion Alive | 2 | Arc sine sqrt w/ adj. | | | | | | | |
| | | | | 0.000 | B | 5 | 1.35 | 0.000 | |
| | | | X | 0.000 | D | 5 | 1.35 | 0.000 | |
| | | | X | 5.000 | D | 5 | 1.35 | 0.000 | |
| | | | X | 15.000 | D | 5 | 1.30 | .106 | |
| | | | X | 35.000 | D | 5 | 1.35 | 0.000 | |
| | | | X | 50.000 | D | 5 | 1.30 | .106 | |
| | | | X | 75.000 | D | 5 | 1.35 | 0.000 | |
| | | | X | 100.000 | D | 5 | 1.35 | 0.000 | |
| Proportion Alive | 2 | No transformation | | | | | | | |
| | | | | 0.000 | B | 5 | 1.00 | 0.000 | |
| | | | | 0.000 | D | 5 | 1.00 | 0.000 | |
| | | | | 5.000 | D | 5 | 1.00 | 0.000 | |
| | | | | 15.000 | D | 5 | .96 | .089 | |
| | | | | 35.000 | D | 5 | 1.00 | 0.000 | |
| | | | | 50.000 | D | 5 | .96 | .089 | |
| | | | | 75.000 | D | 5 | 1.00 | 0.000 | |
| | | | | 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 | .003 | .094 |

- PROPORTION POINT ESTIMATE -

| End Point | Day | Method | P | Conc | 95% CI | TU |
|---|---|---|---|---|---|---|
| Proportion Alive | 2 | Probit | | | | |
| | | | EC 50 | >100 | - | |

Water Flea

| Lab | Species | Test Date | Test Material | Permit | Protocol | Test Number |
|---|---|---|---|---|---|---|
| ABS | DP | 4/05/6 | EFF2 (%) | MA0003891 | EPAA 91 | 47288 |

## 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 | |
|---|---|---|
| EC/LC | 906 | Negative or zero slope with probit model indicates greater or equal proportions of responses with higher doses - EC/LC values may be |
| PROP | 0 | Analysis completed with no errors |

# Probit Analysis For EC/LC

Aquatec Biological Sciences, Inc.

Species: Daphnia pulex
Test Material: Effluent - Industrial (%)
Endpoint: Prop

Test Number: 47288
Test Date: 4/05/6

| Conc. | Number Exposed | Number Resp. | Observed Proportion Responding | Proportion Responding Adjusted for Controls | Predicted Proportion Responding |
|---|---|---|---|---|---|
| 5.0000 | 25 | 0 | 0.0000 | 0.0000 | 0.0170 |
| 15.0000 | 25 | 1 | 0.0400 | 0.0400 | 0.0147 |
| 35.0000 | 25 | 0 | 0.0000 | 0.0000 | 0.0131 |
| 50.0000 | 25 | 1 | 0.0400 | 0.0400 | 0.0124 |
| 75.0000 | 25 | 0 | 0.0000 | 0.0000 | 0.0117 |
| 100.0000 | 25 | 0 | 0.0000 | 0.0000 | 0.0113 |

Chi-square for heterogeneity (calculated) = 3.772
Probability(Chi-square > 3.772) = 0.43770

**********
* NOTE *
*
* Slope not significantly different from zero. *
* LC/EC fiducial limits cannot be computed. *
**********

| Parameter | Estimate | Std. Err. | 95% Confidence Limits Lower | Upper |
|---|---|---|---|---|
| Intercept | 2.968003 | 0.900692 | 1.202647 | 4.733359 |
| Slope | -0.124784 | 0.588702 | -1.278641 | 1.029072 |

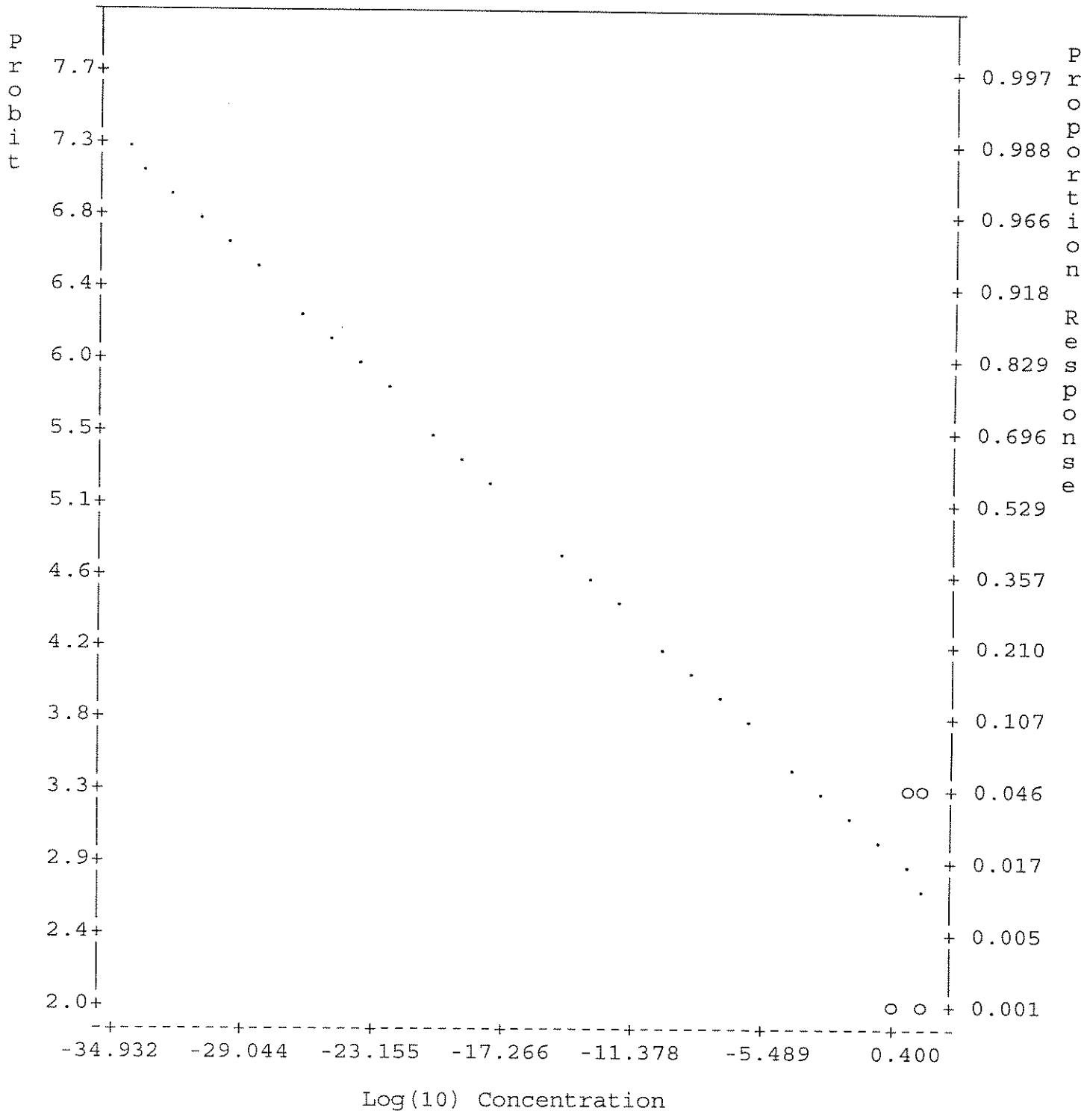
Theoretical spontaneous response rate = 0.0000

Estimated LC/EC values

| Point | Exposure Conc. | 95% Confidence Limits Lower | Upper |
|---|---|---|---|
| 50.00 | 0.000 | | |

**********
* WARNING *
*
* Slope of probit model is negative or zero, indicating lower *
* or same proportion of responses with higher doses. EC/LC *
* values may be nonsense. *
**********

Plot of adjusted probits and predicted regression line



# TOXIS ANALYSIS SUMMARY

Ceriodaphnia — Proportion Alive — Day 2

| Lab | Species | Date | Test Material | Permit | Protocol | Test Number |
|---|---|---|---|---|---|---|
| ABS | DP | 4/05/6 | EFF2 (%) | MA0003891 | EPAA 91 | 47288 |

EPA Flowchart (Chronic and Acute) — 1 control

| | Conc | Mean | SD | N | T | Sum of Ranks |
|---|---|---|---|---|---|---|
| Data transformation: | | Arc sine sqrt w/ adj. | | | | |
| | 0.00B | 1.35 | 0.000 | 5 | | |
| X | 0.00D | 1.35 | 0.000 | 5 | | |
| X | 5.00D | 1.35 | 0.000 | 5 | 0.000 | 27.500 |
| X | 15.00D | 1.30 | .106 | 5 | 1.323 | 25.000 |
| X | 35.00D | 1.35 | 0.000 | 5 | 0.000 | 27.500 |
| X | 50.00D | 1.30 | .106 | 5 | 1.323 | 25.000 |
| X | 75.00D | 1.35 | 0.000 | 5 | 0.000 | 27.500 |
| X | 100.00D | 1.35 | 0.000 | 5 | 0.000 | 27.500 |
| Data transformation: | | No transformation | | | | |
| | 0.00B | 1.00 | 0.000 | 5 | | |
| | 0.00D | 1.00 | 0.000 | 5 | | |
| | 5.00D | 1.00 | 0.000 | 5 | 0.000 | 27.500 |
| | 15.00D | .96 | .089 | 5 | 1.323 | 25.000 |
| | 35.00D | 1.00 | 0.000 | 5 | 0.000 | 27.500 |
| | 50.00D | .96 | .089 | 5 | 1.323 | 25.000 |
| | 75.00D | 1.00 | 0.000 | 5 | 0.000 | 27.500 |
| | 100.00D | 1.00 | 0.000 | 5 | 0.000 | 27.500 |

| NOEC | LOEC | TU | Alpha | Tail | Based on | Critical Sum of Ran |
|---|---|---|---|---|---|---|
| >100 | >100 | <1 | .05 | One-sided | Steel | 16 |

Dunnett Test:

| MSE | MSD % Reduction from Control | Critical T |
|---|---|---|
| .00324 | 9.43880 | 2.41 |

Shapiro-Wilk Test for Normality:

| Alpha | W | Cutoff W | Normal? |
|---|---|---|---|
| .01 | .51902 | .91 | No |

Bartlett Test for Equal Variance:

| Alpha | B | P(B) | Equal Var? |
|---|---|---|---|
| .01 | 9999 | 0 | No |

Aquatec Biological Sciences, Inc.

## WATER FLEA TEST DATA

Test Number: 47288 ( ) Chronic (x) Acute 48 hours
Test Date: 5-Apr-06
Source: MA0003891 Test Material: EFF2 (%)

| Conc | Rep | Cont. No. | Sex | Start | Daily Survival 1 | 2 | 3 | 4 | 5 | 6 | End | Prop Alive | Total Young | Max Young |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.00 B | 1 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 0.00 B | 2 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 0.00 B | 3 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 0.00 B | 4 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 0.00 B | 5 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 0.00 D | 1 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 0.00 D | 2 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 0.00 D | 3 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 0.00 D | 4 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 0.00 D | 5 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 5.00 D | 1 | | F | 5 | | 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 | | 4 | | | | | | .80 | | |
| 35.00 D | 1 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 35.00 D | 2 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 35.00 D | 3 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 35.00 D | 4 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 35.00 D | 5 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 50.00 D | 1 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 50.00 D | 2 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 50.00 D | 3 | | F | 5 | | 4 | | | | | | .80 | | |
| 50.00 D | 4 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 50.00 D | 5 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 75.00 D | 1 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 75.00 D | 2 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 75.00 D | 3 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 75.00 D | 4 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 75.00 D | 5 | | F | 5 | | 5 | | | | | | 1.00 | | |
| 100.00 D | 1 | | F | 5 | | 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 | | |

4/14/06

Client: GENERAL ELECTRIC, PITTSFIELD, MA Test #: 47288 SDG: 9445
MA0003891
Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test

SURVIVAL DATA, SAMPLE 31645

| Treatment (%) | | Day 0 | Day 1 # Surviving | Day 2 # Surviving |
|---|---|---|---|---|
| Rec. | A | 5 | 5 | 5 |
| Water | B | 5 | 5 | 5 |
| Contr | C | 5 | 5 | 5 |
| | D | 5 | 5 | 5 |
| | E | 5 | 5 | 5 |
| 5.0 | A | 5 | 5 | 5 |
| | B | 5 | 5 | 5 |
| | C | 5 | 5 | 5 |
| | D | 5 | 5 | 5 |
| | E | 5 | 5 | 5 |
| 15 | A | 5 | 5 | 5 |
| | B | 5 | 5 | 5 |
| | C | 5 | 5 | 5 |
| | D | 5 | 5 | 5 |
| | E | 5 | 5 | 4 |
| 35 | A | 5 | 5 | 5 |
| | B | 5 | 5 | 5 |
| | C | 5 | 5 | 5 |
| | D | 5 | 5 | 5 |
| | E | 5 | 5 | 5 |
| 50 | A | 5 | 5 | 5 |
| | B | 5 | 5 | 5 |
| | C | 5 | 5 | 4 |
| | D | 5 | 5 | 5 |
| | E | 5 | 5 | 5 |
| 75 | A | 5 | 5 | 5 |
| | B | 5 | 5 | 5 |
| | C | 5 | 5 | 5 |
| | D | 5 | 5 | 5 |
| | E | 5 | 5 | 5 |
| 100 | A | 5 | 5 | 5 |
| | B | 5 | 5 | 5 |
| | C | 5 | 5 | 5 |
| | D | 5 | 5 | 5 |
| | E | 5 | 5 | 5 |
| Sample # | | 31645 | | |
| I/D/T | | KS 4/5 12:00 | KS 4/6/06 12:05 | 4-7-06 12:10 JG |

Aquatec Biological Sciences, Inc. Williston Vermont
Reviewed by: _____ Date: 4/19/06

Client: GENERAL ELECTRIC, PITTSFIELD, MA Test #: 47288 SDG: 9445
MA0003891
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 | 5 |
| | D | 5 | 5 | 5 |
| | E | 5 | 5 | 5 |
| Dechlor. | A | 5 | 5 | 5 |
| Control | B | 5 | 5 | 5 |
| | C | 5 | 5 | 5 |
| | D | 5 | 5 | 5 |
| | E | 5 | 5 | 5 |
| | | 12:00 | | |
| I/D/T | | KS 4/5 | KS 4/6/06 12:00 | 4-7-06 12:05 JG |

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.

Client: GENERAL ELECTRIC, PITTSFIELD, MA Test #: 47288 SDG: 9445
MA0003891 OUTFALL 001
Test Description: *Daphnia pulex* 48-h daily renewal acute toxicity test

| Treatment (%) | Parameter | Day 0 | Day 1 | Day 2 |
|---|---|---|---|---|
| Lab Contr 1:1 mix | pH | 7.7 | | 7.5 |
| | DO | 8.1 | | 8.5 |
| | Temp | 20.5 | 20.6 | 20.7 |
| | Cond. | 223 | -- | — |
| Dechlorination Control | pH | 7.8 | | 7.5 |
| | DO | 8.1 | | 8.5 |
| | Temp | 21.0 | 20.7 | 20.6 |
| | Cond. | 230 | -- | — |
| Rec. Water Contr | pH | 7.5 | | 7.5 |
| | DO | 8.5 | | 8.5 |
| | Temp | 19.9 | 20.4 | 20.4 |
| | Cond. | 172 | -- | — |
| 5.0 | pH | 7.5 | | 7.4 |
| | DO | 8.7 | | 8.5 |
| | Temp | 19.8 | 20.4 | 20.5 |
| | Cond. | 203 | -- | — |
| 15 | pH | 7.5 | | 7.5 |
| | DO | 8.8 | | 8.6 |
| | Temp | 19.9 | 20.4 | 20.4 |
| | Cond. | 269 | -- | — |
| 35 | pH | 7.6 | | 7.6 |
| | DO | 8.8 | | 8.6 |
| | Temp | 19.8 | 20.6 | 20.4 |
| | Cond. | 394 | -- | — |
| 50 | pH | 7.6 | | 7.7 |
| | DO | 8.8 | | 8.6 |
| | Temp | 19.8 | 20.5 | 20.5 |
| | Cond. | 490 | -- | — |
| 75 | pH | 7.6 | | 7.9 |
| | DO | 8.7 | | 8.7 |
| | Temp | 19.7 | 20.4 | 20.5 |
| | Cond. | 632 | -- | — |
| 100 | pH | 7.7 | | 8.0 |
| | DO | 8.6 | | 8.8 |
| | Temp | 19.5 | 20.4 | 20.5 |
| | Cond. | 795 | -- | — |
| Sample # | | 31645 | 31645 | 31645 |
| I/D (2005) | | KS 4/5/06 | KS 4/6/06 | 4-7-06 JG |

Aquatec Biological Sciences, Inc. Williston Vermont
Reviewed by: _____ Date: 4/14/06

# Alkalinity and Hardness Worksheet

| | | | | Alkalinity | | | | | | Hardness | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Identifier | LIMS Identifier | Sub ID Code | Sampling Date | Sample Volume | Initial Titrant (ml) | Final Titrant (ml) | Analyst | Analysis Date | Alkalinity | Sample Volume | Initial Titrant (ml) | Final Titrant (ml) | Analyst | Analysis Date | Hardness |
| 31645 | Outfall Composite | | 4/5/06 | 25 | 16.6 | 20 | KS | 4/10/06 | 136.0 | 50 | 26.9 | 35.1 | KS | 4/5/06 | 164.0 |
| 31646 | Housatonic River | | 4/5/06 | 25 | 20 | 21 | KS | 4/10/06 | 40.0 | 50 | 35.1 | 37.8 | KS | 4/5/06 | 54.0 |

# Sample Preparation

| | |
|---|---|
| **Client: GENERAL ELECTRIC, PITTSFIELD, MA MA0003891** | **SDG: 9445** |
| **Test Description: *Daphnia pulex* acute toxicity test.** | **Test #: 47288** |

**Sample Identification:**

| Sample Description | Rec. Water (Housatonic River) | Effluent | | |
|---|---|---|---|---|
| Sample # | 31646 | 31645 | | |

**Sample Preparation:**

| Filtration | 60 micron | 60 micron | 60 micron | 60 micron |
|---|---|---|---|---|
| Chlorine [1] | ND | ND | | |
| Dechlorine [2] | — | — | | |
| Salinity (o/oo) | 0 o/oo | 1 o/oo | | |
| Prepared by (Init./date) | KS 4-5-06 | | | |

[1] Record vol. 0.025 N sodium thiosulfate to dechorinate 100 mL sample or record "ND" (not detected).
[2] 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 | |

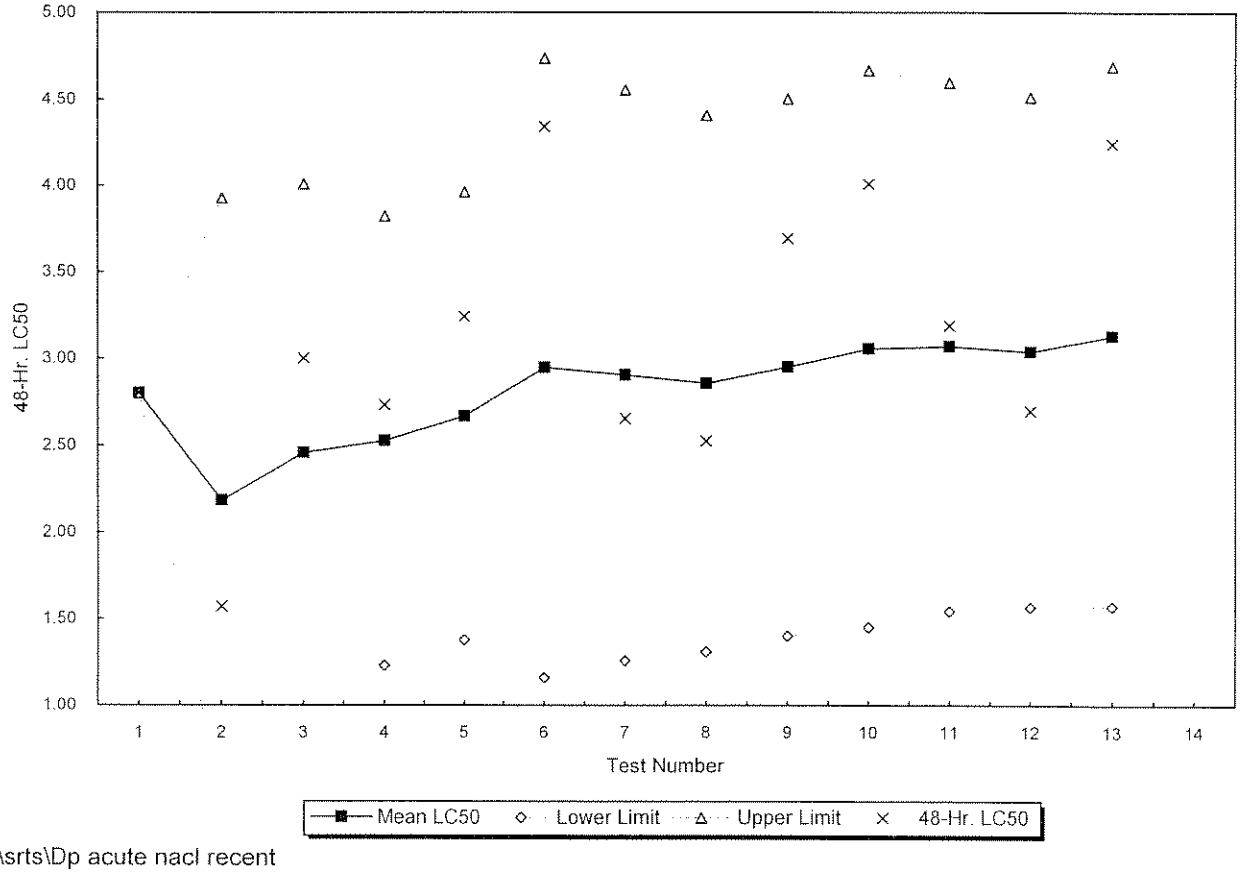
**Comments:**

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 | 03/11/06 | 1 | 2.698 | 3.04 | 1.57 | 4.51 | Aquatec Biological Sciences |
| 13 | 04/06/06 | 1 | 4.243 | 3.13 | 1.57 | 4.69 | Aquatec Biological Sciences |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |




qaqc\srts\Dp acute nacl recent

# 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 dapnids. 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$^{o}$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 quidelines.

## 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 ± 1°C or 20 ± 1°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 ± 1°C or (20 ± 1°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 ± 1°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 ± 1°C of the selected test temperature (20 °C or 25°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°C); 7.4-8.1 (25°C)

Temperature - acceptable range, 19-21°C or 24-26°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°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 (± 15 minutes from time of test start); 48-h test (± 30 minutes from time of test start); and 96-h test (± 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 and "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* (4th 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 |

## DOCUMENT SIGNATURE PAGE

**DOCUMENT NAME: SOP TOX2-001 Daphnid Acute Revision 4**

| Printed Name | Signature | Initials | Date Read and Understood |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

# APPENDIX 2

**Laboratory Reports**

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

NPDES Sampling
GE Pittsfield
Toxicity pH

Date: 4/4/06

Acute Dry ___
Acute Wet ✓
Chronic _____(Day 1,2 or 3)

Effluent Composite
Sample # A7217C
Date 4-4-06
Time 1100 AM
pH 7.79 su

River/Dilution Water
Sample # A7216R
Date 4-4-06
Time 815 AM
pH 7.91 su

Mark Wozniewsky 4-4-06
Signed & Dated

**COLUMBIA ANALYTICAL SERVICES**

Reported: 04/24/06

General Electric
**Project Reference:** GE PITTSFIELD BIOMONITORING 4/06
**Client Sample ID :** A7217CDM

**Date Sampled :** 04/04/06 11:00 **Order #:** 891683 **Sample Matrix:** WATER
**Date Received:** 04/05/06 **Submission #:** R2630904

| ANALYTE | METHOD | PQL | RESULT | UNITS | DATE ANALYZED | DILUTION |
|---|---|---|---|---|---|---|
| ALUMINUM | 200.7 | 0.100 | 0.100 U | MG/L | 04/07/06 | 1.0 |
| CADMIUM | 200.7 | 0.00500 | 0.00500 U | MG/L | 04/07/06 | 1.0 |
| CHROMIUM | 200.7 | 0.0100 | 0.0100 U | MG/L | 04/07/06 | 1.0 |
| COPPER | 200.7 | 0.0200 | 0.0200 U | MG/L | 04/07/06 | 1.0 |
| LEAD | 200.7 | 0.00500 | 0.00500 U | MG/L | 04/11/06 | 1.0 |
| NICKEL | 200.7 | 0.0400 | 0.0400 U | MG/L | 04/07/06 | 1.0 |
| SILVER | 200.7 | 0.0100 | 0.0100 U | MG/L | 04/07/06 | 1.0 |
| ZINC | 200.7 | 0.0200 | 0.0481 | MG/L | 04/07/06 | 1.0 |

**COLUMBIA ANALYTICAL SERVICES**

Reported: 04/24/06

General Electric
**Project Reference:** GE PITTSFIELD BIOMONITORING 4/06
**Client Sample ID :** A7217CTM

**Date Sampled :** 04/04/06 11:00 **Order #:** 891688 **Sample Matrix:** WATER
**Date Received:** 04/05/06 **Submission #:** R2630904

| ANALYTE | METHOD | PQL | RESULT | UNITS | DATE ANALYZED | DILUTION |
|---|---|---|---|---|---|---|
| ALUMINUM | 200.7 | 0.100 | 1.29 | MG/L | 04/07/06 | 1.0 |
| CADMIUM | 200.7 | 0.00500 | 0.00500 U | MG/L | 04/07/06 | 1.0 |
| CALCIUM | 200.7 | 1.00 | 39.2 | MG/L | 04/07/06 | 1.0 |
| CHROMIUM | 200.7 | 0.0100 | 0.0100 U | MG/L | 04/07/06 | 1.0 |
| COPPER | 200.7 | 0.0200 | 0.0227 | MG/L | 04/07/06 | 1.0 |
| LEAD | 200.7 | 0.00500 | 0.0134 | MG/L | 04/11/06 | 1.0 |
| MAGNESIUM | 200.7 | 1.00 | 16.4 | MG/L | 04/07/06 | 1.0 |
| NICKEL | 200.7 | 0.0400 | 0.0400 U | MG/L | 04/07/06 | 1.0 |
| SILVER | 200.7 | 0.0100 | 0.0100 U | MG/L | 04/07/06 | 1.0 |
| ZINC | 200.7 | 0.0200 | 0.0830 | MG/L | 04/07/06 | 1.0 |

**COLUMBIA ANALYTICAL SERVICES**

Reported: 04/24/06

General Electric
**Project Reference:** GE PITTSFIELD BIOMONITORING 4/06
**Client Sample ID :** A7216RTM

**Date Sampled :** 04/04/06 08:15 **Order #:** 891689 **Sample Matrix:** WATER
**Date Received:** 04/05/06 **Submission #:** R2630904

| ANALYTE | METHOD | PQL | RESULT | UNITS | DATE ANALYZED | DILUTION |
|---|---|---|---|---|---|---|
| ALUMINUM | 200.7 | 0.100 | 0.868 | MG/L | 04/07/06 | 1.0 |
| CADMIUM | 200.7 | 0.00500 | 0.00500 U | MG/L | 04/07/06 | 1.0 |
| CALCIUM | 200.7 | 1.00 | 13.6 | MG/L | 04/07/06 | 1.0 |
| CHROMIUM | 200.7 | 0.0100 | 0.0100 U | MG/L | 04/07/06 | 1.0 |
| COPPER | 200.7 | 0.0200 | 0.0200 U | MG/L | 04/07/06 | 1.0 |
| LEAD | 200.7 | 0.00500 | 0.00500 U | MG/L | 04/11/06 | 1.0 |
| MAGNESIUM | 200.7 | 1.00 | 5.20 | MG/L | 04/07/06 | 1.0 |
| NICKEL | 200.7 | 0.0400 | 0.0400 U | MG/L | 04/07/06 | 1.0 |
| SILVER | 200.7 | 0.0100 | 0.0100 U | MG/L | 04/07/06 | 1.0 |
| ZINC | 200.7 | 0.0200 | 0.0200 U | MG/L | 04/07/06 | 1.0 |

**COLUMBIA ANALYTICAL SERVICES**

Reported: 04/24/06

General Electric
**Project Reference:** GE PITTSFIELD BIOMONITORING 4/06
**Client Sample ID :** A7216R

**Date Sampled :** 04/04/06 08:15 **Order #:** 891674 **Sample Matrix:** WATER
**Date Received:** 04/05/06 **Submission #:** R2630904

| ANALYTE | METHOD | PQL | RESULT | UNITS | DATE ANALYZED | TIME ANALYZED | DILUTION |
|---|---|---|---|---|---|---|---|
| AMMONIA | 350.1 | 0.0500 | 0.0500 U | MG/L | 04/10/06 | 11:02 | 1.0 |
| CHLORIDE | 300.0 | 0.200 | 17.8 | MG/L | 04/07/06 | 15:25 | 10.0 |
| TOTAL ALKALINITY | 310.1 | 2.00 | 50.0 | MG/L | 04/11/06 | 10:10 | 1.0 |
| TOTAL ORGANIC CARBON | 9060 | 1.00 | 5.32 | MG/L | 04/07/06 | 08:07 | 1.0 |
| TOTAL PHOSPHORUS | 365.1 | 0.0500 | 0.107 | MG/L | 04/10/06 | 13:53 | 1.0 |
| TOTAL SOLIDS | 160.3 | 10.0 | 144 | MG/L | 04/10/06 | 11:23 | 1.0 |
| TOTAL SUSPENDED SOLIDS | 160.2 | 1.00 | 52.2 | MG/L | 04/06/06 | 11:15 | 1.0 |

**COLUMBIA ANALYTICAL SERVICES**

Reported: 04/24/06

General Electric
**Project Reference:** GE PITTSFIELD BIOMONITORING 4/06
**Client Sample ID :** A7217C

**Date Sampled :** 04/04/06 11:00 **Order #:** 891675 **Sample Matrix:** WATER
**Date Received:** 04/05/06 **Submission #:** R2630904

| ANALYTE | METHOD | PQL | RESULT | UNITS | DATE ANALYZED | TIME ANALYZED | DILUTION |
|---|---|---|---|---|---|---|---|
| AMMONIA | 350.1 | 0.0500 | 0.170 | MG/L | 04/10/06 | 11:02 | 1.0 |
| CHLORIDE | 300.0 | 0.200 | 138 | MG/L | 04/06/06 | 15:37 | 100.0 |
| TOTAL ALKALINITY | 310.1 | 2.00 | 122 | MG/L | 04/11/06 | 10:10 | 1.0 |
| TOTAL ORGANIC CARBON | 9060 | 1.00 | 6.33 | MG/L | 04/07/06 | 08:45 | 1.0 |
| TOTAL PHOSPHORUS | 365.1 | 0.0500 | 0.127 | MG/L | 04/10/06 | 13:53 | 1.0 |
| TOTAL SOLIDS | 160.3 | 10.0 | 446 | MG/L | 04/10/06 | 11:23 | 1.0 |
| TOTAL SUSPENDED SOLIDS | 160.2 | 1.00 | 27.4 | MG/L | 04/06/06 | 11:15 | 1.0 |

**COLUMBIA ANALYTICAL SERVICES**

Reported: 04/24/06

General Electric
**Project Reference:** GE PITTSFIELD BIOMONITORING 4/06
**Client Sample ID :** A7216RCN

**Date Sampled :** 04/04/06 08:15 **Order #:** 891693 **Sample Matrix:** WATER
**Date Received:** 04/05/06 **Submission #:** R2630904

| ANALYTE | METHOD | PQL | RESULT | UNITS | DATE ANALYZED | TIME ANALYZED | DILUTION |
|---|---|---|---|---|---|---|---|
| TOTAL CYANIDE | 335.4 | 0.0100 | 0.0100 U | MG/L | 04/12/06 | 09:20 | 1.0 |

**COLUMBIA ANALYTICAL SERVICES**

Reported: 04/24/06

General Electric
**Project Reference:** GE PITTSFIELD BIOMONITORING 4/06
**Client Sample ID :** A7217CCN

**Date Sampled :** 04/04/06 11:00 **Order #:** 891695 **Sample Matrix:** WATER
**Date Received:** 04/05/06 **Submission #:** R2630904

| ANALYTE | METHOD | PQL | RESULT | UNITS | DATE ANALYZED | TIME ANALYZED | DILUTION |
|---|---|---|---|---|---|---|---|
| TOTAL CYANIDE | 335.4 | 0.0100 | 0.0183 | MG/L | 04/12/06 | 09:20 | 1.0 |

# APPENDIX 3

**Chain of Custody Forms**

4/4/2006

# ACUTE AQUATIC TOXICITY COMPOSITE

Month: APR
Week: 2
Fiscal Wk: 14
Weather: WET

| | Gallons/Day | Ml in Composite | Percent of Composite |
|---|---|---|---|
| **001** | 889,400 | 7,515.07 | 68.32% |
| **004** | 0 | - | 0.00% |
| **007** | 0 | - | 0.00% |
| **64T** | 221,000 | 1,867.36 | 16.98% |
| **64G** | 167,730 | 1,417.25 | 12.88% |
| **09A** | 0 | - | 0.00% |
| **09B** | 23,708 | 200.32 | 1.82% |
| | 1,301,838 | 11000 | 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# A7217C.

Chain-of-Custody Form Number: OBG040406
Analysis: AW TOX APR 2006
~~Location:~~ Time 11^00 AM Date: 4-4-06
Sample Label Serial Number A 7217C

Mark Wasnewsky
Signed

4-4-06
Date

# Aquatec Biological Sciences

## Chain-of-Custody Record

273 Commerce Street
Williston, VT 05495
TEL: (802) 860-1638
FAX: (802) 658-3189

| COMPANY INFORMATION | COMPANY'S PROJECT INFORMATION | SHIPPING INFORMATION |
|---|---|---|
| Name: General Electric Company | Project Name: GE PITTSFIELD | Carrier: |
| Address: O'Brien & Gere | **Outfall Composite** | |
| 1000 East Street, Gate 64 | Project Number: 06004 | Airbill Number: |
| City/State/Zip: Pittsfield, MA 01201 | Sampler Name(s): Mark Wasnewsky | Date Shipped: 4-4-06 |
| Telephone: (413) 494-6709 | | |
| Facsimile: | | Hand Delivered: ☐ Yes ☐ No |
| Contact Name: Mark Wasnewsky | Quote #: 10/05 Client Code: GECO | |

| SAMPLE IDENTIFICATION | COLLECTION DATE | COLLECTION TIME | GRAB | COMPOSITE | MATRIX | ANALYSIS (detection limits, mg/L) | VOLUME/CONTAINER TYPE/ PRESERVATIVE: 4°C Plastic 1 gal | 4°C Plastic 1/2 gal | 4°C $H_2SO_4$ Plastic 1 L | 4°C $H_2SO_4$ Glass 40 ml | 4°C Amber Glass 250 ml | 4°C $HNO_3$ Plastic 0.5 L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | NUMBER OF CONTAINERS | | | | | |
| Outfall Composite | 4-4-06 | 11:00 AM | | ✓ | Effluent | *Daphnia pulex* 48-h Static Acute Toxicity (EPA Method 2021.0). Log in for A48DPS | 1 | | | | | |
| Outfall Composite | ↓ | 11:00 AM | | ✓ | Effluent | Total Residual Chlorine | | | | | 1 | |
| Housatonic River | | 8:15 AM | ✓ | | Receiving | Dilution Water | 1 | | | | | |
| Housatonic River | ↓ | 8:15 AM | ✓ | | Receiving | Total Residual Chlorine | | | | | 1 | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| Relinquished by: *(signature)* | DATE | TIME | Received by: *(signature)* |
|---|---|---|---|
| Mark Wasnewsky | 4-4-06 | 1137 | Stewart Mumbley |
| Relinquished by: *(signature)* | DATE | TIME | Received by: *(signature)* |
| Raven | 4-4-06 | 16:00 | Raven Downey |
| Relinquished by: *(signature)* | DATE | TIME | Received by: *(signature)* |

**NOTES TO SAMPLER(S): (1): Complete the labels (Date, time, initials) and cover the labels with clear tape. Tape the caps of the sample bottles to ensure that they do not become dislodged during shipment. Nest the samples in sufficient ice to maintain 0°C – 6°C. Results for samples received at temperatures exceeding 6°C will be qualified in the report.**

Notes to Lab: Ambient cooler temperature: 4.3 °C. Dechlorinate the effluent sample if chlorine is detected.

# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services INC.
An Employee - Owned Company
www.caslab.com

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475

PAGE _____ OF _____

SR #

CAS Contact

Project Name: NPDES Permit
Project Number:
Project Manager: J Nicholson
Report CC:
Company/Address: GE Corp Environmental
159 Plastics Ave Bldg 59
Pittsfield MA 01201
Phone #: 413 448 ~~5586~~ 5915
FAX#: 413 448 5935
Sampler's Signature: Mark Wasnewsky
Sampler's Printed Name: MARK WASNEWSKY

**ANALYSIS REQUESTED** *(Include Method Number and Container Preservative)*

PRESERVATIVE: 3 4

| CLIENT SAMPLE ID | FOR OFFICE USE ONLY LAB ID | SAMPLING DATE | SAMPLING TIME | MATRIX | NUMBER OF CONTAINERS | GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP | GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP | GC VOA's ☐ 8021 ☐ 601/602 | PESTICIDES ☐ 8081 ☐ 608 ☐ CLP | PCB's ☐ 8082 ☐ 608 ☐ CLP | METALS, TOTAL (List in comments below) | METALS, DISSOLVED (List in comments below) | TOTAL PHOSPHORUS, TKN, NH3 | CYANIDE EPA 335.4 | | | | | | REMARKS/ ALTERNATE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A7216R | 891674 | 4-4-06 | 815 AM | H2O | 1 | | | | | | | | X | | | | | | | |
| A7217C | 891675 | ↓ | 1106 AM | ↓ | ↓ | | | | | | | | X | | | | | | | |
| A7216RCN | 891693 | | 815 AM | | | | | | | | | | | X | | | | | | |
| A7217CCN | 891695 | | 1100 AM | | | | | | | | | | | X | | | | | | |
| A7217CCN Q | 891695 | ↓ | 1100 AM | ↓ | ↓ | | | | | | | | | X | | | | | | MATRIX SPIKE |

Preservative Key
0. NONE
1. HCL
2. $HNO_3$
3. $H_2SO_4$
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
**Metals**

Samples Packed in Ice

See QAPP ☐

**TURNAROUND REQUIREMENTS**
_____ RUSH (SURCHARGES APPLY)
_____ 24 hr _____ 48 hr ✓ 5 day
_____ STANDARD
REQUESTED FAX DATE
_____
REQUESTED REPORT DATE
_____

**REPORT REQUIREMENTS**
_____ I. Results Only
_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
✓ IV. Data Validation Report with Raw Data
_____ V. Specialized Forms / Custom Report
Edata _____ Yes _____ No

**INVOICE INFORMATION**
PO#
BILL TO:
SUBMISSION #: R2630904

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

| RELINQUISHED BY | RECEIVED BY | RELINQUISHED BY | RECEIVED BY | RELINQUISHED BY | RECEIVED BY |
|---|---|---|---|---|---|
| Signature: Mark Wasnewsky | Signature: Gregory O. Esmerian | Signature | Signature | Signature | Signature |
| Printed Name: MARK WASNEWSKY | Printed Name: Gregory O. Esmerian | Printed Name | Printed Name | Printed Name | Printed Name |
| Firm: GBC | Firm: CAS | Firm | Firm | Firm | Firm |
| Date/Time: 4-4-06 2:00 PM | Date/Time: 4-5-06 9:30 | Date/Time | Date/Time | Date/Time | Date/Time |

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services, INC.
An Employee - Owned Company
www.caslab.com

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE _____ OF _____

SR #

CAS Contact

| | |
|---|---|
| Project Name: NPDES Permit | Project Number: |
| Project Manager: J Nicholson | Report CC: |
| Company/Address: GE Corp Environmental, 159 Plastics Ave Bldg 59, Pittsfield MA 01201 | |
| Phone #: 413 448 5915 | FAX#: 413 448 5935 |
| Sampler's Signature: Mark Wasnewsky | Sampler's Printed Name: MARK WASNEWSKY |

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE: 2 2 0 3 2 4

| CLIENT SAMPLE ID | FOR OFFICE USE ONLY LAB ID | SAMPLING DATE | SAMPLING TIME | MATRIX | NUMBER OF CONTAINERS | GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP | GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP | GC VOA's ☐ 8021 ☐ 601/602 | PESTICIDES ☐ 8081 ☐ 608 ☐ CLP | PCB's ☐ 8082 ☐ 608 ☐ CLP | METALS, TOTAL (10) EPA 200.7 ☐ CLP | METALS, DISSOLVED (8) EPA 200.7 (List in comments below) | Chloride, TSS, Cond. + Spec. Cond. | Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Mo, Ni, Se, Ag, Tl, V, Zn | TOTAL METALS (3) EPA 200.7 | CYANIDE EPA 335.4 | REMARKS/ ALTERNATE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A7216R | 891674 | 4-4-06 | 815 AM | $H_2O$ | 1 | | | | | | | X | | | | | |
| A7217C | 891675 | 4-4-06 | 1100 AM | | | | | | | | | | | X | | | |
| 09C-A7239 | | 4-3-06 | 949 PM | | | | | | | | | | X | | | | |
| EQUIPMENTBLANKAPR06 | | 4-4-06 | 1000 AM | | | | | | | | | | | X | | | |
| EQUIPMENTBLANKAPR06 | | | 1000 AM | | | | | | | | | | | | X | | |
| A7216RTM | 891689 | | 815 AM | | | | | | | X | | | | | | | |
| A7217CTM | 891688 | | 1100 AM | | | | | | | X | | | | | | | |
| A7217CTM Q | 891688 | | 1100 AM | | | | | | | X | | | | | | | Matrix Spike Filtered + Preserved |
| A7217CDM | 891683 | | 1100 AM | | | | | | | | X | | | | | | |

Preservative Key
0 NONE
1. HCL
2. $HNO_3$
3. $H_2SO_4$
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
**Metals** TOTAL METALS 3 – Copper, Lead, Zinc
TOTAL METALS 10 – Listed on Sample label
DISSOLVED METALS 8 – Listed on Sample label

Samples Packed in Ice

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
_____ 24 hr _____ 48 hr ✓ 5 day
_____ STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
_____ I. Results Only
_____ II Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
✓ IV. Data Validation Report with Raw Data
_____ V. Specialized Forms / Custom Report
Edata _____ Yes _____ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #: R2630904

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

| RELINQUISHED BY | RECEIVED BY | RELINQUISHED BY | RECEIVED BY | RELINQUISHED BY | RECEIVED BY |
|---|---|---|---|---|---|
| Signature: Mark Wasnewsky | Signature: Gregory G. Esmerian | Signature | Signature | Signature | Signature |
| Printed Name: MARK WASNEWSKY | Printed Name: Gregory G. Esmerian | Printed Name | Printed Name | Printed Name | Printed Name |
| Firm: GE | Firm: CAS | Firm | Firm | Firm | Firm |
| Date/Time: 4-4-06 200 PM | Date/Time: 4-5-06 9:30 | Date/Time | Date/Time | Date/Time | Date/Time |

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

Columbia Analytical Services, Inc.
An Employee - Owned Company
www.caslab.com

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE _____ OF _____

SR #

CAS Contact

| | |
|---|---|
| Project Name: NPDES Permit | Project Number: |
| Project Manager: J Nicholson | Report CC: |
| Company/Address: GE Environmental Corp<br>159 Plastics Ave Bldg 59<br>Pittsfield, MA 01201 | |
| Phone #: 413 448 5915 | FAX#: 413 448 5935 |
| Sampler's Signature: Mark Wasnewsky | Sampler's Printed Name: MARK WASNEWSKY |

**ANALYSIS REQUESTED** *(Include Method Number and Container Preservative)*

| CLIENT SAMPLE ID | FOR OFFICE USE ONLY LAB ID | SAMPLING DATE | SAMPLING TIME | MATRIX | NUMBER OF CONTAINERS | GC/MS VOA's 8260 ☐ 624 ☐ CLP | GC/MS SVOA's 8270 ☐ 625 ☐ CLP | GC VOA's 8021 ☐ 601/602 | PESTICIDES 8081 ☐ 608 ☐ CLP | PCB's 8082 ☐ 608 ☐ CLP | METALS, TOTAL (List in comments below) | METALS, DISSOLVED (List in comments below) | TSS EPA 160.2 | BOD EPA 405.1 | ALKALINITY | REMARKS/ ALTERNATE DESCRIPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PRESERVATIVE | | | | | | | 0 | | | | | | 0 | 0 | 0 | |
| 005-A7236/A7237 | | 4-4-06 | 7:00 AM | H2O | 1 | | | | | | | X | | | | |
| ~~005-A7235~~ MW | | | ~~7:35~~ | | | | | | | | | ~~X~~ | | | | |
| EQUIPMENTBLANKAPR06 | | | 10:00 AM | | | | | | | | | X | | | | |
| 005-A7236/A7237 | | | 7:00 AM | | | | | | | | | | X | | | |
| EQUIPMENTBLANKAPR06 | | | 10:00 AM | | | | | | | | | | X | | | |
| A7216R | 891674 | | 8:15 AM | | | | | | | | | X | | | | |
| A7217C | 891675 | | 11:00 AM | | | | | | | | | X | | | | |
| EQUIPMENTBLANKAPR06 | | | 10:00 AM | | | X | | | | | | | | | | |
| A7216R | 891674 | | 8:15 AM | | | | | | | | | | | X | | |
| A7217C | 891675 | | 11:00 AM | | | | | | | | | | | X | | |

Preservative Key
0. NONE
1. HCL
2. $HNO_3$
3. $H_2SO_4$
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
**Metals**

Samples Packed in Ice

See QAPP ☐

**TURNAROUND REQUIREMENTS**
_____ RUSH (SURCHARGES APPLY)
_____ 24 hr _____ 48 hr ✓ 5 day
_____ STANDARD
REQUESTED FAX DATE
_____
REQUESTED REPORT DATE
_____

**REPORT REQUIREMENTS**
_____ I. Results Only
_____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
_____ III. Results + QC and Calibration Summaries
✓ IV. Data Validation Report with Raw Data
_____ V. Specialized Forms / Custom Report
Edata _____ Yes _____ No

**INVOICE INFORMATION**
PO#
BILL TO:
SUBMISSION #: R2630904

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

| RELINQUISHED BY | RECEIVED BY | RELINQUISHED BY | RECEIVED BY | RELINQUISHED BY | RECEIVED BY |
|---|---|---|---|---|---|
| Signature: Mark Wasnewsky | Signature: | Signature | Signature | Signature | Signature |
| Printed Name: MARK WASNEWSKY | Printed Name: Gregory D. Esmerian | Printed Name | Printed Name | Printed Name | Printed Name |
| Firm: GE | Firm: CAS | Firm | Firm | Firm | Firm |
| Date/Time: 4-4-06 2:00 PM | Date/Time: 4-5-06 9:30 | Date/Time | Date/Time | Date/Time | Date/Time |

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

## Cooler Receipt And Preservation Check Form

Project/Client GE-Pittsfield Submission Number _____.

Cooler received on 4-5-06 by: KE COURIER: CAS UPS (FEDEX) VELOCITY CLIENT

| | | | | | | |
|---|---|---|---|---|---|---|
| 1. | Were custody seals on outside of cooler? | | | YES | (NO) | |
| 2. | Were custody papers properly filled out (ink, signed, etc.)? | | | (YES) | NO | |
| 3. | Did all bottles arrive in good condition (unbroken)? | | | (YES) | NO | |
| 4. | Did any VOA vials have significant air bubbles? | | | YES | (NO) | N/A |
| 5. | Were Ice or Ice packs present? | | | (YES) | NO | |
| 6. | Where did the bottles originate? | | | (CAS/ROC) | (CLIENT) | |
| 7. | Temperature of cooler(s) upon receipt: | 5.1° | 5.7° | | | |
| | 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: 4-5-06 @ 9:50

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: CS 4-5-06

Cooler Breakdown: Date: 4/5/06 by: AHH

| | | | |
|---|---|---|---|
| 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 | X | | | | |
| 2 | $HNO_3$ | | | | | |
| 2 | $H_2SO_4$ | X | | | | |
| 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 $H_2SO_4$.

| VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2 | | |
|---|---|---|
| | | |
| | | |
| | | |

**Other Comments:**

PC Secondary Review: _____