GE
159 Plastics Avenue
Pittsfield, MA 01201
USA

Transmitted via Overnight Courier

August 9, 2005

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

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

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

Dear Mr. Tagliaferro and Ms. Steenstrup:

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

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

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

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

Sincerely,

John F. Novotny/VAE

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

Enclosure
V:\GE_Pittsfield_General\Reports and Presentations\Monthly Reports\2005\07-05 CD Monthly\Letter.doc

cc: Robert Cianciarulo, EPA (cover letter only)
Tim Conway, EPA (cover letter only)
Sharon Hayes, EPA
William Lovely, EPA (Items 7, 8, 9, 10, 11, 12, 16/17, 22, 23, and 25 only)
Rose Howell, EPA (cover letter only)
Holly Inglis, EPA (hard copy and CD-ROM of report)
Susan Svirsky, EPA (Items 7, 15, and 20 only)
K.C. Mitkevicius, USACE (CD-ROM of report)
Thomas Angus, MDEP (cover letter only)
Robert Bell, MDEP (cover letter only)
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 (hard copy of report, CD-ROM of report, CD-ROM of data)
Richard Nasman, P.E., Berkshire Gas (CD-ROM of report)
Michael Carroll GE (CD-ROM of report)
Andrew 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)

JULY 2005

MONTHLY STATUS REPORT

PURSUANT TO CONSENT DECREE FOR GE-PITTSFIELD/HOUSATONIC RIVER SITE

GENERAL ELECTRIC COMPANY

PITTSFIELD, MASSACHUSETTS

Background

The General Electric Company (GE), the United States Environmental Protection Agency (EPA), the Massachusetts Department of Environmental Protection (MDEP), and other governmental entities have entered into a Consent Decree (CD) for the GE-Pittsfield/Housatonic River Site, which was entered by the U.S. Court on October 27, 2000. In accordance with Paragraph 67 of the CD, GE has prepared this monthly report, 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)
JULY 2005

a. Activities Undertaken/Completed

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

- Continued discussions with Western Massachusetts Electric Company (WMECo) regarding subordination agreements for WMECo easements on GE properties that will be subject to Grants of Environmental Restrictions and Easements (EREs).*

- Submitted Notice of Planned Bypass for Outfall 09B (July 11, 2005).

- Submitted Notice of Planned Bypass for Outfall 001 (July 20, 2005).

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 June 1 through June 30, 2005, are provided in Attachment B to this report.

- A report titled *Toxicity Evaluation of Wastewaters Discharged from the General Electric Plant; Pittsfield, Massachusetts (Samples Collected in July 2005)* was prepared for GE by SGS Environmental Services, Inc. (SGS). A copy of that report is provided in Attachment C.

c. Work Plans/Reports/Documents Submitted

None

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

- Continue discussions with WMECo regarding subordination agreements for WMECo easements on GE properties that will be subject to Grants of EREs.*

- Continue NPDES sampling and monitoring activities.

- Attend public, Citizens Coordinating Council (CCC), and Pittsfield Economic Development Authority (PEDA) meetings, as appropriate.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

GENERAL ACTIVITIES
(cont'd)
GE-PITTSFIELD/HOUSATONIC RIVER SITE
(GECD900)
JULY 2005

f. <u>Proposed/Approved Work Plan Modifications</u>

None

ITEM 1
PLANT AREA
20s, 30s, 40s COMPLEXES
(GECD120)
JULY 2005

a. Activities Undertaken/Completed

- Continued demolition activities at Buildings 42 and 43/43-A.

- Conducted air monitoring for particulates as identified in Table 1-1. Air monitoring locations S2, M2, MC3, MC3-CO, BM1, and BK2 are also used while demolition activities are being conducted within the 19 Complex (see Item 3a).

- PEDA conducted a series of geotechnical investigations in the land formerly known as the 20s and 30s Complexes. Following review with EPA, GE coordinated transportation and disposition of a total of six drums of soil cuttings and eight garbage bags of PPE and general waste to the Building 71 OPCA; and two 55-gallon drums of decon water to Building 64G for treatment (using an internal plant route for disposition). This was separately reviewed with MDEP.

- Completed work on Supplemental Building Characterization Report and Building Debris Stockpile Proposal

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted Supplemental Building Characterization Report and Building Debris Stockpile Proposal for 40s Complex (July 6, 2005).

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

Continue demolition activities at Buildings 42 and 43/43-A.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

None

f. Proposed/Approved Work Plan Modifications

None

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/1/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/1/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/1/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/1/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/1/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/2/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/2/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/2/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/2/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/2/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/6/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/6/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/6/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/6/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/6/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/7/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/7/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/7/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/7/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/7/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/8/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/8/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/8/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/8/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/8/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/9/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/9/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/9/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/9/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/9/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/10/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/10/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/10/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/10/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/10/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/13/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/13/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/13/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/13/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/13/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/14/05	Air	Berkshire Environmental	Particulate Matter	7/8/05

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/14/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/14/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/14/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/14/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/15/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/15/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/15/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/15/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/15/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/16/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/16/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/16/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/16/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/16/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/20/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/20/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/20/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/20/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/20/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/21/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/21/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/21/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/21/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/21/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/22/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/22/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/22/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/22/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/23/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/23/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/23/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/23/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/23/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/24/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/24/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/24/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/24/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/24/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/27/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/27/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/27/05	Air	Berkshire Environmental	Particulate Matter	7/8/05

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/27/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/27/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	6/30/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/30/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/30/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/30/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	7/5/05	Air	Berkshire Environmental	Particulate Matter	7/13/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/5/05	Air	Berkshire Environmental	Particulate Matter	7/13/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/5/05	Air	Berkshire Environmental	Particulate Matter	7/13/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/5/05	Air	Berkshire Environmental	Particulate Matter	7/13/05
Ambient Air Particulate Matter Sampling	Background Location	7/5/05	Air	Berkshire Environmental	Particulate Matter	7/13/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	7/7/05	Air	Berkshire Environmental	Particulate Matter	7/13/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/7/05	Air	Berkshire Environmental	Particulate Matter	7/13/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/7/05	Air	Berkshire Environmental	Particulate Matter	7/13/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/7/05	Air	Berkshire Environmental	Particulate Matter	7/13/05
Ambient Air Particulate Matter Sampling	Background Location	7/7/05	Air	Berkshire Environmental	Particulate Matter	7/13/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	7/11/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/11/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/11/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/11/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Background Location	7/11/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	7/12/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/12/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/12/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/12/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Background Location	7/12/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	7/13/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/13/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/13/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/13/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Background Location	7/13/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	7/14/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/14/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/14/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/14/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Background Location	7/14/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	7/18/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/18/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/18/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/18/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Background Location	7/18/05	Air	Berkshire Environmental	Particulate Matter	7/27/05

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	7/19/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/19/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/19/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/19/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Background Location	7/19/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	7/20/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/20/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/20/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/20/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Background Location	7/20/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	7/21/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/21/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/21/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/21/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Background Location	7/21/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	7/22/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/22/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/22/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/22/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Background Location	7/22/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	7/25/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/25/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/25/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/25/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	Background Location	7/25/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	7/26/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/26/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/26/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/26/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	Background Location	7/26/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	7/27/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/27/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/27/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/27/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	Background Location	7/27/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	W3 - West of 40s Complex	7/28/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/28/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/28/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/28/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	Background Location	7/28/05	Air	Berkshire Environmental	Particulate Matter	8/1/05

TABLE 1-2
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING JULY 2005

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

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
06/01/05	W3 - West of 40s Complex	0.030	0.044*	11:45	Variable, Calm
	MC3 - Near Bldg. 16 & 19	0.023*		11:45	
	M2 - South of Bldg. 5	0.021*		11:45	
	S2 - Woodlawn Avenue	0.055		12:00	
06/02/05	W3 - West of 40s Complex	0.034	0.060*	10:45	Variable
	MC3 - Near Bldg. 16 & 19	0.040*		10:45	
	M2 - South of Bldg. 5	0.032*		10:45	
	S2 - Woodlawn Avenue	0.077		10:45	
06/03/05[1]	W3 - West of 40s Complex	NA	NA	NA	NA
	MC3 - Near Bldg. 16 & 19				
	M2 - South of Bldg. 5				
	S2 - Woodlawn Avenue				
06/06/05	W3 - West of 40s Complex	0.087	0.066*	10:00[2]	SSW
	MC3 - Near Bldg. 16 & 19	0.041*		9:45[2]	
	M2 - South of Bldg. 5	0.031*		9:45[2]	
	S2 - Woodlawn Avenue	0.060		9:45[2]	
06/07/05	W3 - West of 40s Complex	0.035	0.026*	11:00	WNW
	MC3 - Near Bldg. 16 & 19	0.016*		10:45	
	M2 - South of Bldg. 5	0.015*		11:00	
	S2 - Woodlawn Avenue	0.020		11:00	
06/08/05	W3 - West of 40s Complex	0.021	0.018*	11:45	WSW
	MC3 - Near Bldg. 16 & 19	0.011*		11:30	
	M2 - South of Bldg. 5	0.008*		11:30	
	S2 - Woodlawn Avenue	0.009		11:30	
06/09/05	W3 - West of 40s Complex	0.067	0.041*	11:30	Calm, SSW, Variable
	MC3 - Near Bldg. 16 & 19	0.026*		11:15	
	M2 - South of Bldg. 5	0.026*		11:15	
	S2 - Woodlawn Avenue	0.066		11:30	
06/10/05	W3 - West of 40s Complex	0.095	0.073*	11:45	SSW
	MC3 - Near Bldg. 16 & 19	0.036*		11:30	
	M2 - South of Bldg. 5	0.038*		11:30	
	S2 - Woodlawn Avenue	0.099		11:45	
06/13/05	W3 - West of 40s Complex	0.105[3]	0.064*	11:45	Calm
	MC3 - Near Bldg. 16 & 19	0.015*		11:30	
	M2 - South of Bldg. 5	0.044*		11:30	
	S2 - Woodlawn Avenue	0.117[3]		6:45[4]	
06/14/05	W3 - West of 40s Complex	0.064	0.042*	6:15[2]	WNW
	MC3 - Near Bldg. 16 & 19	0.023*		6:15[2]	
	M2 - South of Bldg. 5	0.020*		6:15[2]	
	S2 - Woodlawn Avenue	0.064		6:15[2]	
06/15/05	W3 - West of 40s Complex	0.062	0.030*	7:15[2]	Variable
	MC3 - Near Bldg. 16 & 19	0.022*		7:15[2]	
	M2 - South of Bldg. 5	0.016*		7:15[2]	
	S2 - Woodlawn Avenue	0.067		7:15[2]	
06/16/05	W3 - West of 40s Complex	0.039	0.018*	5:15[2]	Calm, ENE
	MC3 - Near Bldg. 16 & 19	0.011*		4:45[2]	
	M2 - South of Bldg. 5	0.009*		4:45[2]	
	S2 - Woodlawn Avenue	0.043		5:00[2]	
06/17/05[1]	W3 - West of 40s Complex	NA	NA	NA	NA
	MC3 - Near Bldg. 16 & 19				
	M2 - South of Bldg. 5				
	S2 - Woodlawn Avenue				

TABLE 1-2
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING JULY 2005

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

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
06/20/05	W3 - West of 40s Complex	0.044	0.019*	12:00	WSW
	MC3 - Near Bldg. 16 & 19	0.019*		12:00	
	M2 - South of Bldg. 5	0.016*		11:45	
	S2 - Woodlawn Avenue	0.042		12:00	
06/21/05	W3 - West of 40s Complex	0.048	0.031*	11:00	WNW
	MC3 - Near Bldg. 16 & 19	0.026*		11:00	
	M2 - South of Bldg. 5	0.020*		11:00	
	S2 - Woodlawn Avenue	0.039		11:15	
06/22/05	W3 - West of 40s Complex	0.024	NA[5]	8:45[2]	NNE
	MC3 - Near Bldg. 16 & 19	0.013*		6:30[2]	
	M2 - South of Bldg. 5	0.016*		6:30[2]	
	S2 - Woodlawn Avenue	0.029		6:45[2]	
06/23/05	W3 - West of 40s Complex	0.020	0.012*	11:15	WNW
	MC3 - Near Bldg. 16 & 19	0.008*		11:00	
	M2 - South of Bldg. 5	0.008*		11:00	
	S2 - Woodlawn Avenue	0.019		11:15	
06/24/05	W3 - West of 40s Complex	0.041	0.027*	11:15	SSW
	MC3 - Near Bldg. 16 & 19	0.020*		11:15	
	M2 - South of Bldg. 5	0.016*		11:30	
	S2 - Woodlawn Avenue	0.034		11:15	
06/27/05	W3 - West of 40s Complex	0.145[3]	0.109*[3]	10:30	Variable
	MC3 - Near Bldg. 16 & 19	0.074*[3]		10:45	
	M2 - South of Bldg. 5	0.079*[3]		10:45	
	S2 - Woodlawn Avenue	0.156[3]		11:00	
06/28/05[6]	W3 - West of 40s Complex	NA	NA	NA	NA
	MC3 - Near Bldg. 16 & 19				
	M2 - South of Bldg. 5				
	S2 - Woodlawn Avenue				
06/29/05[6]	W3 - West of 40s Complex	NA	NA	NA	NA
	MC3 - Near Bldg. 16 & 19				
	M2 - South of Bldg. 5				
	S2 - Woodlawn Avenue				
06/30/05	W3 - West of 40s Complex	0.063	0.010*	11:30	Calm, Variable
	MC3 - Near Bldg. 16 & 19	0.039*		11:00	
	M2 - South of Bldg. 5	NA[5]		NA[5]	
	S2 - Woodlawn Avenue	0.069		11:15	
07/01/05[1]	W3 - West of 40s Complex	NA	NA	NA	NA
	MC3 - Near Bldg. 16 & 19				
	M2 - South of Bldg. 5				
	S2 - Woodlawn Avenue				
07/04/05[7]	W3 - West of 40s Complex	NA	NA	NA	NA
	MC3 - Near Bldg. 16 & 19				
	M2 - South of Bldg. 5				
	S2 - Woodlawn Avenue				
07/05/05	W3 - West of 40s Complex	0.103[8]	0.070*	8:30[2]	SSW, Variable
	MC3 - Near Bldg. 16 & 19	0.053*		8:15[2]	
	M2 - South of Bldg. 5	0.053*		8:15[2]	
	S2 - Woodlawn Avenue	0.105[8]		8:15[2]	
07/06/05[6]	W3 - West of 40s Complex	NA	NA	NA	NA
	MC3 - Near Bldg. 16 & 19				
	M2 - South of Bldg. 5				
	S2 - Woodlawn Avenue				

TABLE 1-2
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING JULY 2005

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

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
07/07/05	W3 - West of 40s Complex	0.009	0.008*	8:30[2]	Variable
	MC3 - Near Bldg. 16 & 19	0.006*		8:45[2]	
	M2 - South of Bldg. 5	0.015*		8:45[2]	
	S2 - Woodlawn Avenue	0.024		8:45[2]	
07/08/05[6]	W3 - West of 40s Complex	NA	NA	NA	NA
	MC3 - Near Bldg. 16 & 19				
	M2 - South of Bldg. 5				
	S2 - Woodlawn Avenue				
07/11/05	W3 - West of 40s Complex	0.039	0.064*	11:30	WNW
	MC3 - Near Bldg. 16 & 19	0.022*		11:30	
	M2 - South of Bldg. 5	0.033*		11:15	
	S2 - Woodlawn Avenue	0.050		11:15	
07/12/05	W3 - West of 40s Complex	0.074	0.048*	11:00	Variable
	MC3 - Near Bldg. 16 & 19	0.036*		3:30[9]	
	M2 - South of Bldg. 5	0.045*		10:45	
	S2 - Woodlawn Avenue	0.079		10:45	
07/13/05	W3 - West of 40s Complex	0.082	0.054*	11:30	Calm
	MC3 - Near Bldg. 16 & 19	0.035*		11:30	
	M2 - South of Bldg. 5	0.042*		11:30	
	S2 - Woodlawn Avenue	0.097		11:30	
07/14/05	W3 - West of 40s Complex	0.178[3]	0.129*[3]	11:45	WSW
	MC3 - Near Bldg. 16 & 19	0.075*[3]		11:45	
	M2 - South of Bldg. 5	0.097*[3]		11:30	
	S2 - Woodlawn Avenue	0.184[3]		11:30	
07/15/05[1]	W3 - West of 40s Complex	NA	NA	NA	NA
	MC3 - Near Bldg. 16 & 19				
	M2 - South of Bldg. 5				
	S2 - Woodlawn Avenue				
07/18/05	W3 - West of 40s Complex	0.167[3]	0.117*[3]	10:00	Variable, SSW
	MC3 - Near Bldg. 16 & 19	0.031*[3]		10:15	
	M2 - South of Bldg. 5	0.090*[3]		10:00	
	S2 - Woodlawn Avenue	0.146[3]		10:00	
07/19/05	W3 - West of 40s Complex	0.200[3]	0.028*[3]	7:45[2]	WSW
	MC3 - Near Bldg. 16 & 19	0.042*[3]		7:45[2]	
	M2 - South of Bldg. 5	0.091*[3]		7:45[2]	
	S2 - Woodlawn Avenue	0.216[3]		7:30[2]	
07/20/05	W3 - West of 40s Complex	0.024	0.019*	11:00	WNW
	MC3 - Near Bldg. 16 & 19	0.005*		10:30	
	M2 - South of Bldg. 5	0.028*		10:45	
	S2 - Woodlawn Avenue	0.025		11:00	
07/21/05	W3 - West of 40s Complex	0.011	0.016*	11:45	NNW, WNW
	MC3 - Near Bldg. 16 & 19	0.005*		11:45	
	M2 - South of Bldg. 5	0.017*		11:30	
	S2 - Woodlawn Avenue	0.024		11:30	
07/22/05	W3 - West of 40s Complex	0.041	0.027*	11:30	WNW
	MC3 - Near Bldg. 16 & 19	0.018*		11:15	
	M2 - South of Bldg. 5	0.029*		11:15	
	S2 - Woodlawn Avenue	0.049		11:15	

TABLE 1-2
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING JULY 2005

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

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
07/25/05	W3 - West of 40s Complex	0.080	0.030*	10:00[2]	WSW, WNW
	MC3 - Near Bldg. 16 & 19	0.020*		10:00[2]	
	M2 - South of Bldg. 5	0.050*		9:45[2]	
	S2 - Woodlawn Avenue	0.068		9:45[2]	
07/26/05	W3 - West of 40s Complex	0.040	0.020*	11:45	SSW
	MC3 - Near Bldg. 16 & 19	0.010*		11:15	
	M2 - South of Bldg. 5	0.023*		11:30	
	S2 - Woodlawn Avenue	0.030		11:30	
07/27/05	W3 - West of 40s Complex	0.074	0.031*	9:15[2]	WSW
	MC3 - Near Bldg. 16 & 19	0.104*		8:15[2]	
	M2 - South of Bldg. 5	0.040*		9:00[2]	
	S2 - Woodlawn Avenue	0.063		9:00[2]	
07/28/05	W3 - West of 40s Complex	0.013	0.009*	11:45	Variable, NNE
	MC3 - Near Bldg. 16 & 19	0.010*		11:30	
	M2 - South of Bldg. 5	0.010*		11:15	
	S2 - Woodlawn Avenue	0.015		11:30	
07/29/05[1]	W3 - West of 40s Complex	NA	NA	NA	NA
	MC3 - Near Bldg. 16 & 19				
	M2 - South of Bldg. 5				
	S2 - Woodlawn Avenue				
Notification Level		0.120			

Notes:

NA - Not Available.

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

Background monitoring location inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street through July 15.

On July 18, 2005, background monitoring location was relocated north of Building 9B, between Building 9B and New York Avenue. Background location was relocated to be more representative of background conditions.

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

[1] Sampling was not performed due to lack of site activity.

[2] Sampling period was shortened due to precipitation/threat of precipitation.

[3] Sampling data are biased high due to high humidity levels.

[4] Sampling period was shortened due to interference from a caterpillar in the instrument.

[5] Sampling data are not available due to equipment failure.

[6] Sampling was not performed due to precipitation/threat of precipitation.

[7] Sampling was not performed due to lack of site activity on the July 4th holiday.

[8] Instrument reading is believed biased high due to high humidity and the instrument's inherent sensitivity to humidity/moisture.

[9] Sampling period was shortened due to instrument malfunction (dead battery).

ITEM 2
PLANT AREA
EAST STREET AREA 2-SOUTH
(GECD150)
JULY 2005

a. Activities Undertaken/Completed

- Performed sludge sampling at Building 64T (see Table 2-1).

- Completed site restoration activities at 60s Complex, including placement of pre-tested pond silt and hydroseed at former Building 61 footprint area.

- At PEDA's request, GE provided a subcontractor to drill soil borings for playground supports in the City Recreational Area. Drilling was conducted in the top 2 feet of soil. Excess material (less than 1 cy of soil) was taken to the Building 71 OPCA using an internal GE plant route for disposition (work completed July 28, 2005).

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

- Continue routine process sampling at Buildings 64G and/or 64T.

- Initiate additional sampling activities proposed in Interim Letter Report (submitted October 22, 2004) following EPA approval.*

- Continue development of Final Completion Report for City Recreational Area.*

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 JULY 2005

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Building 64 Parking Lot Sweepings Pile Sampling	64SWEEPINGS-SOIL-C-6	7/8/05	Soil	SGS	PCB	7/12/05
Building 64 Parking Lot Sweepings Pile Sampling	64SWEEPINGS-SOIL-C-7	7/8/05	Soil	SGS	PCB	7/12/05
Building 64 Parking Lot Sweepings Pile Sampling	64SWEEPINGS-SOIL-C-8	7/8/05	Soil	SGS	PCB	7/12/05
Building 64G LPCA Monitoring	G5-64G-01	7/5/05	Water	SGS	VOC	7/12/05
Building 64G LPCA Monitoring	G5-64G-02	7/5/05	Water	SGS	SVOC	7/12/05
Building 64G LPCA Monitoring	G5-64G-03	7/5/05	Water	SGS	PCB	7/12/05
Building 64G LPCA Monitoring	G5-64G-04	7/5/05	Water	SGS	Oil & Grease	7/12/05
Building 64G LPCA Monitoring	G5-64G-05	7/5/05	Water	SGS	VOC	7/12/05
Building 64G LPCA Monitoring	G5-64G-06	7/5/05	Water	SGS	SVOC	7/12/05
Building 64G LPCA Monitoring	G5-64G-07	7/5/05	Water	SGS	PCB	7/12/05
Building 64G LPCA Monitoring	G5-64G-08	7/5/05	Water	SGS	Oil & Grease	7/12/05
Building 64G LPCA Monitoring	G5-64G-09	7/5/05	Water	SGS	VOC	7/12/05
Building 64G LPCA Monitoring	G5-64G-10	7/5/05	Water	SGS	SVOC	7/12/05
Building 64G LPCA Monitoring	G5-64G-11	7/5/05	Water	SGS	PCB	7/12/05
Building 64G LPCA Monitoring	G5-64G-12	7/5/05	Water	SGS	Oil & Grease	7/12/05
Building 64G LPCA Monitoring	G5-64G-13	7/5/05	Water	SGS	VOC	7/12/05
Building 64G LPCA Monitoring	G5-64G-14	7/5/05	Water	SGS	SVOC	7/12/05
Building 64G LPCA Monitoring	G5-64G-15	7/5/05	Water	SGS	PCB	7/12/05
Building 64G LPCA Monitoring	G5-64G-16	7/5/05	Water	SGS	Oil & Grease	7/12/05
Building 64T Sludge Sampling	G5-64T-01	7/1/05	Sludge	SGS	PCB	7/8/05
Building 64V Sampling	64V-DNAPL-1	7/7/05	Oil	SGS	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	7/25/05

TABLE 2-2
PCB DATA RECEIVED DURING JULY 2005

BUILDING 64T SLUDGE SAMPLING
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	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
G5-64T-01	7/1/2005	ND(1.4)	ND(1.4)	ND(1.4)	ND(1.4)	ND(1.4)	ND(1.4)	ND(1.4)	ND(1.4)

Notes:

1. Sample was collected by General Electric Company and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

TABLE 2-3
DATA RECEIVED DURING JULY 2005

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

Parameter / Sample ID: / Date Collected:	G5-64G-01 07/05/05	G5-64G-02 07/05/05	G5-64G-03 07/05/05	G5-64G-04 07/05/05	G5-64G-05 07/05/05	G5-64G-06 07/05/05	G5-64G-07 07/05/05	G5-64G-08 07/05/05
Volatile Organics								
Benzene	0.038	NA	NA	NA	ND(0.0050)	NA	NA	NA
Chlorobenzene	0.15	NA	NA	NA	ND(0.0050)	NA	NA	NA
Ethylbenzene	0.046	NA	NA	NA	ND(0.0050)	NA	NA	NA
PCBs-Unfiltered								
Aroclor-1254	NA	NA	0.000024 J	NA	NA	NA	ND(0.000065)	NA
Total PCBs	NA	NA	0.000024 J	NA	NA	NA	ND(0.000065)	NA
Semivolatile Organics								
1,2,4-Trichlorobenzene	NA	0.0014 J	NA	NA	NA	ND(0.010)	NA	NA
1,3-Dichlorobenzene	NA	0.0022 J	NA	NA	NA	ND(0.010)	NA	NA
1,4-Dichlorobenzene	NA	0.0040 J	NA	NA	NA	ND(0.010)	NA	NA
Acenaphthene	NA	0.014	NA	NA	NA	ND(0.010)	NA	NA
Fluorene	NA	0.0021 J	NA	NA	NA	ND(0.010)	NA	NA
Naphthalene	NA	0.0029 J	NA	NA	NA	ND(0.010)	NA	NA
Conventionals								
Oil & Grease	NA	NA	NA	0.40 B	NA	NA	NA	2.1 B

TABLE 2-3
DATA RECEIVED DURING JULY 2005

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

Parameter / Sample ID: / Date Collected:	G5-64G-09 07/05/05	G5-64G-10 07/05/05	G5-64G-11 07/05/05	G5-64G-12 07/05/05	G5-64G-13 07/05/05	G5-64G-14 07/05/05	G5-64G-15 07/05/05	G5-64G-16 07/05/05
Volatile Organics								
Benzene	ND(0.0050)	NA	NA	NA	ND(0.0050)	NA	NA	NA
Chlorobenzene	ND(0.0050)	NA	NA	NA	ND(0.0050)	NA	NA	NA
Ethylbenzene	ND(0.0050)	NA	NA	NA	ND(0.0050)	NA	NA	NA
PCBs-Unfiltered								
Aroclor-1254	NA	NA	ND(0.000065)	NA	NA	NA	ND(0.000065)	NA
Total PCBs	NA	NA	ND(0.000065)	NA	NA	NA	ND(0.000065)	NA
Semivolatile Organics								
1,2,4-Trichlorobenzene	NA	ND(0.010)	NA	NA	NA	ND(0.010)	NA	NA
1,3-Dichlorobenzene	NA	ND(0.010)	NA	NA	NA	ND(0.010)	NA	NA
1,4-Dichlorobenzene	NA	ND(0.010)	NA	NA	NA	ND(0.010)	NA	NA
Acenaphthene	NA	ND(0.010)	NA	NA	NA	ND(0.010)	NA	NA
Fluorene	NA	ND(0.010)	NA	NA	NA	ND(0.010)	NA	NA
Naphthalene	NA	ND(0.010)	NA	NA	NA	ND(0.010)	NA	NA
Conventionals								
Oil & Grease	NA	NA	NA	2.0 B	NA	NA	NA	0.90 B

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

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)
J - Indicates an estimated value less than the practical quantitation limit (PQL).

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

TABLE 2-4
PCB DATA RECEIVED DURING JULY 2005

BUILDING 64 PARKING LOT SWEEPINGS PILE SAMPLING
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
64SWEEPINGS-SOIL-C-6	7/8/2005	ND(0.20)	4.9	5.3	10.2
64SWEEPINGS-SOIL-C-7	7/8/2005	ND(0.17)	1.2	3.2	4.4
64SWEEPINGS-SOIL-C-8	7/8/2005	ND(0.34)	3.5	6.5	10

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 2-5
DATA RECEIVED DURING JULY 2005

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

Parameter / Sample ID: / Date Collected:	64V-DNAPL-1 07/07/05
Volatile Organics	
Ethylbenzene	730
Xylenes (total)	590
PCBs	
Aroclor-1260	300
Total PCBs	300
Semivolatile Organics	
2-Methylnaphthalene	11,000
4-Chloroaniline	13,000
Acenaphthene	22,000
Acenaphthylene	2,900
Anthracene	7,400
Benzo(a)anthracene	6,700
Benzo(a)pyrene	6,700
Benzo(b)fluoranthene	2,800
Benzo(g,h,i)perylene	2,900
Benzo(k)fluoranthene	3,400
Chrysene	4,300
Fluoranthene	14,000
Fluorene	11,000
Indeno(1,2,3-cd)pyrene	1,700
Naphthalene	44,000
Phenanthrene	45,000
Pyrene	22,000
Inorganics	
Arsenic	1.60
Barium	4.60
Cadmium	0.0910 B
Chromium	0.760
Lead	5.30
Selenium	1.20 B
Silver	0.400 B
Conventional Parameters	
Flash Point (^{o}F)	>180

Notes:

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

Data Qualifiers:

Inorganics

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

ITEM 3
PLANT AREA
EAST STREET AREA 2-NORTH
(GECD140)
JULY 2005

a. Activities Undertaken/Completed

- Continued equipment draining and dismantling activities at Buildings 1, 2, and 3.
- Continued demolition of Building 4.
- Initiated asbestos removal activities at Buildings 15, 15A, 15B, and 15W.
- Awarded contract for asbestos removal activities at Buildings 1, 2, 3, and 3B (July 14, 2005).
- Conducted air monitoring for particulate matter as identified in Table 3-1. Air monitoring locations S2, M2, MC3, MC3-CO, BM1, and BK2 are also used while demolition activities are being conducted within the 40s Complex (see Item 1a).
- Verbally notified EPA of ongoing notification level exceedences observed during particulate air monitoring activities on that date. Elevated levels were attributed to high humidity and precipitation (July 15, 2005).
- Verbally notified EPA of Toxic Substances Control Act (TSCA) notification level exceedences from equipment draining operations at Buildings 1, 2, and 3 (July 21, 2005).
- Collected and tankered approximately 100 gallons of water from the Building 14H water main cutoff to Building 64G for treatment.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

- Continue demolition activities at Buildings 4, 5, and 6.
- Continue equipment draining and dismantling activities at Buildings 1, 2, and 3.
- Continue asbestos removal activities at Buildings 15, 15A, 15B, and 15W.

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

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

- Initiate equipment/liquids removal activities at Buildings 15, 15A, 15B, and 15W.
- Initiate asbestos removal activities at Buildings 1, 2, 3, and 3B.
- Distribute a Request for Proposal (RFP) for the demolition of Buildings 15, 15A, 15B, and 15W.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA approval to continue to provide verbal notification, followed by written notification, of all TSCA exceedances encountered during the equipment draining activities at Buildings 1, 2, and 3.

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Bucket Wipe Sampling	25-LENOX-BUCKET-W1	7/15/05	Wipe	SGS	PCB	7/19/05
Bucket Wipe Sampling	25-LENOX-BUCKET-W2	7/15/05	Wipe	SGS	PCB	7/19/05
Bucket Wipe Sampling	25-LENOX-BUCKET-W3	7/15/05	Wipe	SGS	PCB	7/19/05
Building 14H Pipe Liquid Sampling	14H-PIPE-1	7/19/05	Liquid	SGS	PCB, VOC, % Water, Flashpoint	7/25/05
Building 14H Pipe Liquid Sampling	14H-PIPE-2	7/19/05	Liquid	SGS	PCB, VOC, % Water, Flashpoint	7/25/05
Building 14H Pipe Liquid Sampling	14H-PIPE-3	7/19/05	Liquid	SGS	PCB, VOC, % Water, Flashpoint	7/25/05
Building 25 Bucket Re-Sampling	25-LENOX-BUCKET-W1-R1	7/20/05	Wipe	SGS	PCB	7/25/05
Building 25 Bucket Re-Sampling	25-LENOX-BUCKET-W2-R1	7/20/05	Wipe	SGS	PCB	7/25/05
Building 25 Bucket Re-Sampling	25-LENOX-BUCKET-W3-R1	7/20/05	Wipe	SGS	PCB	7/25/05
Buildings 1, 2 & 3 Oil Sampling	BLD1-62001-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD1-62002-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD1-62003-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD1-62004-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62206-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62207-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62209-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62210-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62211-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62212-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62213-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62214-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62215-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62216-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62217-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62218-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62219-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62220-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62322-1	7/7/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62324-1	7/7/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62325-1	7/7/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62327-1	7/7/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62328-1	7/7/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62329-1	7/7/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-62330-1	7/7/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-C1368-OIL-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-C1369-OIL-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-C1371-OIL-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-C1433-OIL-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-C1435-OIL-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1, 2 & 3 Oil Sampling	BLD3-C1436-OIL-1	7/6/05	Oil	SGS	PCB	7/18/05
Buildings 1,2,3 Oil Sampling	BLD3-62742-OIL-1	7/12/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLD3-62743-OIL-1	7/12/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLD3-62744-OIL-1	7/12/05	Oil	SGS	PCB	7/20/05

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Buildings 1,2,3 Oil Sampling	BLD3-62745-OIL-1	7/12/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLD3-62746-OIL-1	7/12/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLD3-62747-OIL-1	7/12/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLD3-62748-OIL-1	7/12/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLD3-62749-OIL-1	7/12/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLD3-62851-OIL-1	7/12/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLD3-62852-OIL-1	7/12/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLD3-62853-OIL-1	7/12/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLD3-C1419-WATER-1	7/18/05	Oil	SGS	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-2-70558-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-2-70559-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-2-70560-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-2-70561-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-2-70562-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-2-70563-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-2-70564-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-2-70567-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-2-C0825-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-2-C0826-2	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-2-C1144-4	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-2-C1430-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-2-C1431-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-3-62431-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-3-62432-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-3-62433-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-3-62435-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-3-62436-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-3-62437-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-3-C0821-RT-1	7/11/05	Oil	SGS	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	7/28/05
Buildings 1,2,3 Oil Sampling	BLDG-3-C0821-RT-2	7/11/05	Oil	SGS	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	7/28/05
Buildings 1,2,3 Oil Sampling	BLDG-3-C0822-RT-1	7/11/05	Oil	SGS	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	7/28/05
Buildings 1,2,3 Oil Sampling	BLDG-3-C0822-RT-2	7/11/05	Oil	SGS	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	7/28/05
Buildings 1,2,3 Oil Sampling	BLDG-3-C0823-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-3-C0824-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-3-C1367-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 1,2,3 Oil Sampling	BLDG-3-C1419-RT-1	7/11/05	Oil	SGS	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	Cancelled
Buildings 1,2,3 Oil Sampling	BLDG-3-C1419-RT-2	7/11/05	Oil	SGS	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	Cancelled
Buildings 1,2,3 Oil Sampling	BLDG-3-D0324-1	7/11/05	Oil	SGS	PCB	7/20/05
Buildings 4, 5 & 6 Asbestos Abatement Shower Water Sampling	BLDG4,5,6-ShowerWater-1	7/8/05	Water	SGS	PCB	7/12/05
Buildings 4,5,6 Water Drum Sampling	WD-D0460-1	7/12/05	Water	SGS	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	7/21/05
Buildings 78 Flammable Storage Shed Solvent Drum Sampling	78-FSS-F1762-SOLVENT-1	7/13/05	Liquid	SGS	PCB	7/20/05

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/5/05	Air	Berkshire Environmental	Particulate Matter	7/14/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/5/05	Air	Berkshire Environmental	Particulate Matter	7/14/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/5/05	Air	Berkshire Environmental	Particulate Matter	7/14/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	7/5/05	Air	Berkshire Environmental	Particulate Matter	7/14/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/7/05	Air	Berkshire Environmental	Particulate Matter	7/14/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/7/05	Air	Berkshire Environmental	Particulate Matter	7/14/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/7/05	Air	Berkshire Environmental	Particulate Matter	7/14/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	7/7/05	Air	Berkshire Environmental	Particulate Matter	7/14/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/11/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/11/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/11/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	7/11/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/12/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/12/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/12/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	7/12/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/13/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/13/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/13/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	7/13/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/14/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/14/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/14/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	7/14/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/18/05	Air	Berkshire Environmental	Particulate Matter	7/26/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/18/05	Air	Berkshire Environmental	Particulate Matter	7/26/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/18/05	Air	Berkshire Environmental	Particulate Matter	7/26/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	7/18/05	Air	Berkshire Environmental	Particulate Matter	7/26/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/19/05	Air	Berkshire Environmental	Particulate Matter	7/26/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/19/05	Air	Berkshire Environmental	Particulate Matter	7/26/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/19/05	Air	Berkshire Environmental	Particulate Matter	7/26/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	7/19/05	Air	Berkshire Environmental	Particulate Matter	7/26/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/20/05	Air	Berkshire Environmental	Particulate Matter	7/26/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/20/05	Air	Berkshire Environmental	Particulate Matter	7/26/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/20/05	Air	Berkshire Environmental	Particulate Matter	7/26/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	7/20/05	Air	Berkshire Environmental	Particulate Matter	7/26/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/21/05	Air	Berkshire Environmental	Particulate Matter	7/26/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/21/05	Air	Berkshire Environmental	Particulate Matter	7/26/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/21/05	Air	Berkshire Environmental	Particulate Matter	7/26/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	7/21/05	Air	Berkshire Environmental	Particulate Matter	7/26/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/25/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/25/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/25/05	Air	Berkshire Environmental	Particulate Matter	8/1/05

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	7/25/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/26/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/26/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/26/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	7/26/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/27/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/27/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/27/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	7/27/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	7/28/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	7/28/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	7/28/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	7/28/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
PCB Ambient Air Sampling	S2 - Woodlawn Avenue	7/19-20/05	Air	Berkshire Environmental	PCB	8/5/05
PCB Ambient Air Sampling	M2 - South of Bldg. 5	7/19-20/05	Air	Berkshire Environmental	PCB	8/5/05
PCB Ambient Air Sampling	MC3 - Near Bldg. 16 & 19	7/19-20/05	Air	Berkshire Environmental	PCB	8/5/05
PCB Ambient Air Sampling	MC3-CO - Colocated - Near Buildings 16 & 19	7/19-20/05	Air	Berkshire Environmental	PCB	8/5/05
PCB Ambient Air Sampling	BK3 - Background - North of Bldg 9B, b/w 9B & NY Avenue	7/19-20/05	Air	Berkshire Environmental	PCB	8/5/05

TABLE 3-2
PCB DATA RECEIVED DURING JULY 2005

BUILDINGS 4, 5 & 6 ASBESTOS ABATEMENT SHOWER WATER SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, 1248	Aroclor 1254	Aroclor 1260	Total PCBs
BLDG4,5,6-SHOWERWATER-1	7/8/2005	ND(0.000065)	0.00014	0.00040	0.00054

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

TABLE 3-3
PCB DATA RECEIVED DURING JULY 2005

BUILDINGS 1, 2 AND 3 OIL SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
BLD1-62001-1	7/6/2005	ND(3.9)	ND(3.9)	43	23	66
BLD1-62002-1	7/6/2005	ND(16)	49	100	29	178
BLD1-62003-1	7/6/2005	ND(4.0)	ND(4.0)	5.9	ND(4.0)	5.9
BLD1-62004-1	7/6/2005	ND(1.0)	ND(1.0)	1.5	1.4	2.9
BLD3-62206-1	7/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62207-1	7/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	5.5	5.5
BLD3-62209-1	7/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62210-1	7/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	3.9	3.9
BLD3-62211-1	7/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62212-1	7/6/2005	ND(1.0)	ND(1.0)	0.64 J	ND(1.0)	0.64 J
BLD3-62213-1	7/6/2005	ND(1.0)	ND(1.0)	1.3	ND(1.0)	1.3
BLD3-62214-1	7/6/2005	ND(7.8)	ND(7.8)	62	74	136
BLD3-62215-1	7/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	8.3	8.3
BLD3-62216-1	7/6/2005	ND(1.0)	ND(1.0)	1.2	ND(1.0)	1.2
BLD3-62217-1	7/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	4.0	4.0
BLD3-62218-1	7/6/2005	ND(1.0)	ND(1.0)	1.3	ND(1.0)	1.3
BLD3-62219-1	7/6/2005	ND(1.0)	ND(1.0)	1.1	ND(1.0)	1.1
BLD3-62220-1	7/6/2005	ND(1.0)	ND(1.0)	0.64 J	ND(1.0)	0.64 J
BLD3-62322-1	7/7/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62324-1	7/7/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62325-1	7/7/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62327-1	7/7/2005	ND(1.0)	ND(1.0)	12	ND(1.0)	12
BLD3-62328-1	7/7/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62329-1	7/7/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62330-1	7/7/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62742-OIL-1	7/12/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62743-OIL-1	7/12/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62744-OIL-1	7/12/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62745-OIL-1	7/12/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62746-OIL-1	7/12/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62747-OIL-1	7/12/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62748-OIL-1	7/12/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62749-OIL-1	7/12/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62851-OIL-1	7/12/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62852-OIL-1	7/12/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-62853-OIL-1	7/12/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-C1368-OIL-1	7/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-C1369-OIL-1	7/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-C1371-OIL-1	7/6/2005	ND(4.0)	ND(4.0)	5.3	ND(4.0)	5.3
BLD3-C1433-OIL-1	7/6/2005	ND(1.0)	ND(1.0)	2.4	3.1	5.5
BLD3-C1435-OIL-1	7/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLD3-C1436-OIL-1	7/6/2005	ND(1.0)	ND(1.0)	0.84 J	ND(1.0)	0.84 J
BLDG-2-70558-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG-2-70559-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG-2-70560-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG-2-70561-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	4.4	4.4
BLDG-2-70562-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG-2-70563-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG-2-70564-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG-2-70567-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG-2-C0825-1	7/11/2005	ND(1.0)	ND(1.0)	3.0	4.8	7.8
BLDG-2-C0826-2	7/11/2005	ND(1.0)	ND(1.0)	2.9	2.6	5.5
BLDG-2-C1144-4	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG-2-C1430-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG-2-C1431-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

TABLE 3-3
PCB DATA RECEIVED DURING JULY 2005

BUILDINGS 1, 2 AND 3 OIL SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
BLDG-3-62431-1	7/11/2005	ND(1.0)	ND(1.0)	3.5	1.6	5.1
BLDG-3-62432-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG-3-62433-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG-3-62435-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG-3-62436-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG-3-62437-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG-3-C0823-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG-3-C0824-1	7/11/2005	ND(1.0)	ND(1.0)	17	23	40
BLDG-3-C1367-1	7/11/2005	ND(1.0)	ND(1.0)	ND(1.0)	3.0	3.0
BLDG-3-D0324-1	7/11/2005	ND(3.9)	ND(3.9)	ND(3.9)	ND(3.9)	ND(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.

Data Qualifiers:

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

TABLE 3-4
DATA RECEIVED DURING JULY 2005

BUILDING 3 OIL SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	BLD3-C1419-WATER-1 07/18/05	BLDG-3-C0821-RT-1 07/11/05	BLDG-3-C0821-RT-2 07/11/05	BLDG-3-C0822-RT-1 07/11/05	BLDG-3-C0822-RT-2 07/11/05
Volatile Organics					
1,1,1-Trichloroethane	0.0026 J	ND(12)	ND(12)	ND(12)	ND(12)
Chlorobenzene	ND(0.0050)	ND(12)	ND(12)	74	70
Chloroform	ND(0.0050)	ND(12)	ND(12)	14	13
Ethylbenzene	ND(0.0050)	ND(12)	ND(12)	150	150
Xylenes (total)	ND(0.010)	ND(12)	ND(12)	280	270
PCBs					
Aroclor 1260	ND(0.0025)	8.5	9.5	8400	7600
Total PCBs	ND(0.0025)	8.5	9.5	8400	7600
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.010)	ND(150)	ND(160)	31 J	36 J
1,2,4-Trichlorobenzene	ND(0.010)	ND(150)	ND(160)	ND(120)	660
1,2-Dichlorobenzene	ND(0.010)	ND(150)	ND(160)	30 J	28 J
1,3-Dichlorobenzene	ND(0.010)	ND(150)	ND(160)	120 J	93 J
1,4-Dichlorobenzene	ND(0.010)	ND(150)	ND(160)	670	680
2-Methylnaphthalene	ND(0.010)	ND(150)	ND(160)	530	490
Acenaphthene	ND(0.010)	ND(150)	ND(160)	660	700
Acenaphthylene	ND(0.010)	ND(150)	ND(160)	ND(120)	110 J
Anthracene	ND(0.010)	ND(150)	ND(160)	360	330
Benzo(a)anthracene	ND(0.010)	ND(150)	ND(160)	220	210
Benzo(a)pyrene	ND(0.010)	ND(150)	ND(160)	250	220
Benzo(b)fluoranthene	ND(0.010)	ND(150)	ND(160)	100 J	78 J
Benzo(k)fluoranthene	ND(0.010)	ND(150)	ND(160)	140	110 J
bis(2-Ethylhexyl)phthalate	0.042	ND(73)	ND(82)	ND(61)	ND(63)
Chrysene	ND(0.010)	ND(150)	ND(160)	180	150
Fluoranthene	ND(0.010)	ND(150)	ND(160)	470	430
Fluorene	ND(0.010)	ND(150)	ND(160)	430	ND(120)
Indeno(1,2,3-cd)pyrene	ND(0.010)	ND(150)	ND(160)	ND(120)	64 J
Isophorone	0.0056 J	ND(150)	ND(160)	ND(120)	ND(120)
Naphthalene	ND(0.010)	ND(150)	ND(160)	1400	1300
Phenanthrene	ND(0.010)	ND(150)	ND(160)	1200	1100
Phenol	0.0030 J	ND(150)	ND(160)	ND(120)	ND(120)
Pyrene	ND(0.010)	ND(150)	ND(160)	660	670
Inorganics					
Arsenic	ND(0.00500)	0.560 B	ND(0.750)	0.490 B	0.530 B
Barium	0.180	9.70	10.0	0.0620 B	0.0830 B
Cadmium	0.570	0.310	0.300	ND(0.150)	ND(0.150)
Chromium	0.0180	0.470 B	0.420 B	0.370 B	0.350 B
Lead	0.0840	22.0	25.0	0.400 B	0.380 B
Mercury	0.00120	ND(0.200)	ND(0.200)	ND(0.200)	ND(0.200)
Selenium	ND(0.00500)	1.60	1.60	1.70	2.00
Silver	0.00750	0.220 B	0.230 B	0.240 B	0.260 B
Conventional Parameters					
Flash Point (^{o}F)	>180	>180	>180	>180	>180

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles, metals, and flashpoint.
2. Only those constituents detected in one or more samples are summarized.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

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 3-5
PCB DATA RECEIVED DURING JULY 2005

BUILDING 25 BUCKET WIPE SAMPLING AND RESAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in µg/100cm^2)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, 1248	Aroclor 1254	Aroclor 1260	Total PCBs
25-LENOX-BUCKET-W1	7/15/2005	ND(1.0)	4.3	ND(1.0)	4.3
25-LENOX-BUCKET-W1-R1	7/20/2005	ND(1.0)	1.2	ND(1.0)	1.2
25-LENOX-BUCKET-W2	7/15/2005	ND(1.0)	20	3.4	23.4
25-LENOX-BUCKET-W2-R1	7/20/2005	ND(1.0)	1.4	ND(1.0)	1.4
25-LENOX-BUCKET-W3	7/15/2005	ND(1.0)	18	3.3	21.3
25-LENOX-BUCKET-W3-R1	7/20/2005	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 3-6
PCB DATA RECEIVED DURING JULY 2005

BUILDINGS 78 FLAMMABLE STORAGE SHED SOLVENT DRUM SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample ID	Date Collected	Aroclor 1016, 1221, 1232, 1242, 1248	Aroclor-1254	Aroclor-1260	Total PCBs
78-FSS-F1762-SOLVENT-1	7/13/2005	ND(0.000091)	0.0027	0.0010	0.0037

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

TABLE 3-7
DATA RECEIVED DURING JULY 2005

BUILDINGS 4, 5 AND 6 WATER DRUM SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	WD-D0460-1 07/12/05
Volatile Organics	
Toluene	0.00064 J
PCBs-Unfiltered	
Aroclor-1254	0.00062
Aroclor-1260	0.00021
Total PCBs	0.00083
Semivolatile Organics	
Phenol	0.0038 J
Inorganics-Unfiltered	
Barium	0.0140
Cadmium	0.000560 B
Chromium	0.00310 B
Silver	0.00240 B
Conventional Parameters	
Flash Point (^{o}F)	>180

Notes:

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

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 3-8
DATA RECEIVED DURING JULY 2005

BUILDING 14H PIPE LIQUID SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	14H-PIPE-1 07/19/05	14H-PIPE-2 07/19/05	14H-PIPE-3 07/19/05
Volatile Organics			
2-Butanone	ND(0.010)	0.19	ND(0.010)
Acetone	ND(0.010)	0.29	0.0045 J
Ethylbenzene	0.0027 J	6.6	0.036
Styrene	ND(0.0050)	0.13	ND(0.0050)
Toluene	ND(0.0050)	0.72	ND(0.0050)
Xylenes (total)	0.016	16	0.082
PCBs-Unfiltered			
Aroclor-1254	0.000035 J	ND(0.000065)	ND(0.000065)
Aroclor-1260	0.000038 J	ND(0.000065)	ND(0.000065)
Total PCBs	0.000073 J	ND(0.000065)	ND(0.000065)
Conventional Parameters			
Flash Point (^{o}F)	>180	>180	>180
% Water	99.2	99.1	98.8

Notes:

1. Samples were collected by ONYX and submitted to SGS Environmental Services, Inc. for analysis of PCBs, volatiles, flashpoint, and % Water.
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.

Data Qualifiers:

Organics (volatiles, PCBs)

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

TABLE 3-9
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING JULY 2005

BUILDINGS 4, 5, AND 6 DEMOLITION ACTIVITIES
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
07/01/05[1]	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	NA	NA	NA	NA
07/04/05[2]	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	NA	NA	NA	NA
07/05/05	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	0.053* 0.053* 0.105[3]	0.070*	8:15[4] 8:15[4] 8:15[4]	SSW, Variable
07/06/05[5]	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	NA	NA	NA	NA
07/07/05	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	0.006* 0.015* 0.024	0.008*	8:45[4] 8:45[4] 8:45[4]	Variable
07/08/05[5]	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	NA	NA	NA	NA
07/11/05	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	0.022* 0.033* 0.050	0.064*	11:30 11:15 11:15	WNW
07/12/05	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	0.036* 0.045* 0.079	0.048*	3:30[6] 10:45 10:45	Variable
07/13/05	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	0.035* 0.042* 0.097	0.054*	11:30 11:30 11:30	Calm
07/14/05	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	0.075*[7] 0.097*[7] 0.184[7]	0.129*[7]	11:45 11:30 11:30	WSW
07/15/05[1]	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	NA	NA	NA	NA
07/18/05	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	0.031*[7] 0.090*[7] 0.146[7]	0.117*[7]	10:15 10:00 10:00	Variable, SSW
07/19/05	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	0.042*[7] 0.091*[7] 0.216[7]	0.028*[7]	7:45[4] 7:45[4] 7:30[4]	WSW
07/20/05	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	0.005* 0.028* 0.025	0.019*	10:30 10:45 11:00	WNW
07/21/05	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	0.005* 0.017* 0.024	0.016*	11:45 11:30 11:30	NNW, WNW

TABLE 3-9
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING JULY 2005

BUILDINGS 4, 5, AND 6 DEMOLITION ACTIVITIES
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
07/22/05[1]	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	NA	NA	NA	NA
07/25/05	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	0.020* 0.050* 0.068	0.030*	10:00[4] 9:45[4] 9:45[4]	WSW, WNW
07/26/05	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	0.010* 0.023* 0.030	0.020*	11:15 11:30 11:30	SSW
07/27/05	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	0.104* 0.040* 0.063	0.031*	8:15[4] 9:00[4] 9:00[4]	WSW
07/28/05	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	0.010* 0.010* 0.015	0.009*	11:30 11:15 11:30	Variable, NNE
07/29/05[1]	MC3 - Near Bldg. 16 & 19 M2 - South of Bldg. 5 S2 - Woodlawn Avenue	NA	NA	NA	NA
Notification Level		0.120			

Notes:

NA - Not Available.

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

Background monitoring location inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street through July 15.

Starting July 18, 2005, background monitoring location was relocated north of Building 9B, between Building 9B and New York Avenue. Background location was relocated to be more representative of background conditions.

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

[1] Sampling was not performed due to lack of site activity.

[2] Sampling was not performed due to lack of site activity on the July 4th holiday.

[3] Instrument reading is believed biased high due to high humidity and the instrument's inherent sensitivity to humidity/moisture.

[4] Sampling period was shortened due to precipitation/threat of precipitation.

[5] Sampling was not performed due to precipitation/threat of precipitation.

[6] Sampling period was shortened due to instrument malfunction (dead battery).

[7] Instrument reading is biased high due to very high humidity levels.

TABLE 3-10
AMBIENT AIR PCB DATA RECEIVED DURING JULY 2005

BUILDINGS 4, 5, AND 6 DEMOLITION ACTIVITIES
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Date	S2 (Woodlawn Avenue) (µg/m3)	M2 (South of Bldg. 5) (µg/m3)	MC3 (Near Bldgs. 16 & 19) (µg/m3)	MC3-CO (Co-located - Near Bldgs. 16 & 19) (µg/m3)	BK3 (Background - North of Bldg 9B, b/w 9B & NY Avenue) (µg/m3)
07/19 - 07/20/05	0.0056	0.0089	0.0212	0.0029	0.0118
Notification Level	0.05	0.05	0.05	0.05	0.05

Note:

The PCB results from all locations are biased low due to low recovery indicated in the Laboratory Control Sample and Blank Spike Duplicate during analysis at the laboratory. The LCS for Aroclor 1254 failed low at 24%. The BSD for Aroclor 1254 failed low at 17%. Acceptance limits for the LCS and BSD are from 60% to 130%. The LCS and BSD were re-analyzed and the low recoveries were confirmed. Possible causes for this include technician error in the quantity spiked into the controls.

ITEM 4
PLANT AREA
EAST STREET AREA 1-NORTH
(GECD130)
JULY 2005

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Submit Final Completion Report after incorporation of EPA comments; ERE is approved by EPA, accepted by MDEP, and recorded; and pre-certification inspection is held.

- Submit revised draft of Title Commitment for GE-owned properties to EPA.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 5
PLANT AREA
HILL 78 & BUILDING 71 CONSOLIDATION AREAS
(GECD210/220)
JULY 2005

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

a. Activities Undertaken/Completed

- Conducted ambient air monitoring for particulates.

- Continued transfer of leachate from Building 71 OPCA to Building 64G for treatment. The total amount transferred in July 2005 was 127,500 gallons (see Table 5-5).

- Transferred soils and sediments from removal activities at the 1½ Mile Reach and 1½ Mile floodplain properties; demolition materials from the 40s Complex and Buildings 4, 5, and 6; and various facility-related materials to the OPCAs.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

- Submitted the proposed 2005 Final Cover Design for Phase I of the Building 71 OPCA Closure (July 15, 2005).

- Submitted revised technical specifications and drawings for the proposed 2005 OPCA expansion and consolidation activities (July 13, 2005).

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

- Continue transfer to the OPCAs of building demolition debris from various ongoing demolition projects and excavated material from removal activities in the 1½ Mile Reach and 1½ Mile floodplain properties.

- Initiate transfer of excavated materials from Newell Street Area I (Mold Master property) and Newell Street Area II removal activities to the OPCAs.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

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

f. Proposed/Approved Work Plan Modifications

Received EPA conditional approval of the proposed 2005 OPCA expansion and consolidation activities (July 21, 2005).

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

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
Building 71 OPCA Cell Temporary Stockpile Soil Sampling	71CELL-DUP-1 (71CELL-STOCKPLIE-1)	7/18/05	Soil	SGS	PCB	7/21/05
Building 71 OPCA Cell Temporary Stockpile Soil Sampling	71CELL-STOCKPILE-1	7/18/05	Soil	SGS	PCB	7/21/05
Building 71 OPCA Cell Temporary Stockpile Soil Sampling	71CELL-STOCKPILE-2	7/18/05	Soil	SGS	PCB	7/21/05
Building 71 OPCA Cell Temporary Stockpile Soil Sampling	71CELL-STOCKPILE-3	7/18/05	Soil	SGS	PCB	7/21/05
Building 71 OPCA Cell Temporary Stockpile Soil Sampling	71CELL-STOCKPILE-4	7/18/05	Soil	SGS	PCB	7/21/05
Building 71 OPCA Cell Temporary Stockpile Soil Sampling	71CELL-STOCKPILE-5	7/18/05	Soil	SGS	PCB	7/21/05
Building 71 OPCA Cell Temporary Stockpile Soil Sampling	71CELL-STOCKPILE-6	7/18/05	Soil	SGS	PCB	7/21/05
Building 71 OPCA Cell Temporary Stockpile Soil Sampling	71CELL-STOCKPILE-7	7/18/05	Soil	SGS	PCB	7/21/05
Building 71 OPCA Cell Temporary Stockpile Soil Sampling	71CELL-STOCKPILE-8	7/18/05	Soil	SGS	PCB	7/21/05
Bullards Crossroads Gravel Pit Sampling	BULLARDS-GRAVEL-1	6/21/05	Soil	SGS	PCB, VOC, SVOC, Metals	7/1/05
Ambient Air Particulate Matter Sampling	North of OPCAs	6/1/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	6/1/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	6/1/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	6/1/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	West of OPCAs	6/1/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/1/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	North of OPCAs	6/2/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	6/2/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	6/2/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	6/2/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	West of OPCAs	6/2/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/2/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	North of OPCAs	6/6/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	6/6/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	6/6/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	6/6/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	West of OPCAs	6/6/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/6/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	North of OPCAs	6/7/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	6/7/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	6/7/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	6/7/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	West of OPCAs	6/7/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/7/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	North of OPCAs	6/8/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	6/8/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	6/8/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	6/8/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	West of OPCAs	6/8/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/8/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	North of OPCAs	6/9/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	6/9/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	6/9/05	Air	Berkshire Environmental	Particulate Matter	7/8/05

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

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
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	6/9/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	West of OPCAs	6/9/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/9/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	North of OPCAs	6/10/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	6/10/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	6/10/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	6/10/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	West of OPCAs	6/10/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/10/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	North of OPCAs	6/20/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	6/20/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	6/20/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	6/20/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	West of OPCAs	6/20/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/20/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	North of OPCAs	6/21/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	6/21/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	6/21/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	6/21/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	West of OPCAs	6/21/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/21/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	North of OPCAs	6/22/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	6/22/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	6/22/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	6/22/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	West of OPCAs	6/22/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	North of OPCAs	6/24/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	6/24/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	6/24/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	6/24/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	West of OPCAs	6/24/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/24/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	North of OPCAs	6/27/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	6/27/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	6/27/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	6/27/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	West of OPCAs	6/27/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	Background Location	6/27/05	Air	Berkshire Environmental	Particulate Matter	7/8/05
Ambient Air Particulate Matter Sampling	North of OPCAs	7/7/05	Air	Berkshire Environmental	Particulate Matter	7/13/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	7/7/05	Air	Berkshire Environmental	Particulate Matter	7/13/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	7/7/05	Air	Berkshire Environmental	Particulate Matter	7/13/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	7/7/05	Air	Berkshire Environmental	Particulate Matter	7/13/05
Ambient Air Particulate Matter Sampling	West of OPCAs	7/7/05	Air	Berkshire Environmental	Particulate Matter	7/13/05

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

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
Ambient Air Particulate Matter Sampling	Background Location	7/7/05	Air	Berkshire Environmental	Particulate Matter	7/13/05
Ambient Air Particulate Matter Sampling	North of OPCAs	7/11/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	7/11/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	7/11/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	7/11/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	West of OPCAs	7/11/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Background Location	7/11/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	North of OPCAs	7/12/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	7/12/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	7/12/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	7/12/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	West of OPCAs	7/12/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Background Location	7/12/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	North of OPCAs	7/13/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	7/13/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	7/13/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	7/13/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	West of OPCAs	7/13/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Background Location	7/13/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	North of OPCAs	7/14/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	7/14/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	7/14/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	7/14/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	West of OPCAs	7/14/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Background Location	7/14/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	North of OPCAs	7/15/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	7/15/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	7/15/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	7/15/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	West of OPCAs	7/15/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	Background Location	7/15/05	Air	Berkshire Environmental	Particulate Matter	7/20/05
Ambient Air Particulate Matter Sampling	North of OPCAs	7/20/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	7/20/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	7/20/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	7/20/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	West of OPCAs	7/20/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Background Location	7/20/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	North of OPCAs	7/21/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	7/21/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	7/21/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	7/21/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	West of OPCAs	7/21/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Background Location	7/21/05	Air	Berkshire Environmental	Particulate Matter	7/27/05

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

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
Ambient Air Particulate Matter Sampling	North of OPCAs	7/22/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	7/22/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	7/22/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	7/22/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	West of OPCAs	7/22/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	Background Location	7/22/05	Air	Berkshire Environmental	Particulate Matter	7/27/05
Ambient Air Particulate Matter Sampling	North of OPCAs	7/25/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	7/25/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	7/25/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	7/25/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	West of OPCAs	7/25/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	Background Location	7/25/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	North of OPCAs	7/29/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	7/29/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	7/29/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	7/29/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	West of OPCAs	7/29/05	Air	Berkshire Environmental	Particulate Matter	8/1/05
Ambient Air Particulate Matter Sampling	Background Location	7/29/05	Air	Berkshire Environmental	Particulate Matter	8/1/05

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

TABLE 5-2
DATA RECEIVED DURING JULY 2005

BULLARDS CROSSROADS GRAVEL PIT SAMPLING
HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID: / Date Collected:	BULLARDS-GRAVEL-1 06/21/05
Volatile Organics	
Carbon Disulfide	0.0051 J
PCBs	
None Detected	--
Semivolatile Organics	
None Detected	--
Inorganics	
Antimony	0.940 B
Arsenic	1.10
Barium	20.0
Beryllium	0.140 B
Cadmium	1.60
Chromium	5.70
Cobalt	2.20 B
Copper	23.0
Lead	1.10
Nickel	3.20 B
Selenium	0.720 B
Tin	0.740 B
Vanadium	3.80 B
Zinc	50.0

Notes:

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

Data Qualifiers:

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 5-3
PCB DATA RECEIVED DURING JULY 2005

BUILDING 71 OPCA CELL TEMPORARY STOCKPILE SOIL SAMPLING
HILL 78/BUILDING 71 ON PLANT CONSOLIDATION AREAS
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Date Collected	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs
71CELL-STOCKPILE-1	7/18/2005	ND(0.041) [ND(0.042)]	ND(0.041) [ND(0.042)]	ND(0.041) [ND(0.042)]	ND(0.041) [ND(0.042)]	ND(0.041) [ND(0.042)]	ND(0.041) [ND(0.042)]	ND(0.041) [ND(0.042)]	ND(0.041) [ND(0.042)]
71CELL-STOCKPILE-2	7/18/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
71CELL-STOCKPILE-3	7/18/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
71CELL-STOCKPILE-4	7/18/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
71CELL-STOCKPILE-5	7/18/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
71CELL-STOCKPILE-6	7/18/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
71CELL-STOCKPILE-7	7/18/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
71CELL-STOCKPILE-8	7/18/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)

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.

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

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

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
06/01/05	North of OPCAs	0.053	0.044*	11:45	Variable, Calm
	Pittsfield Generating Co.	0.013*		11:45	
	Southeast of OPCAs	0.038		11:45	
	Southwest of OPCAs	0.023*		11:45	
	West of OPCAs	0.034		11:45	
06/02/05	North of OPCAs	0.044	0.060*	10:45	Variable
	Pittsfield Generating Co.	0.022*		10:45	
	Southeast of OPCAs	0.054		10:45	
	Southwest of OPCAs	0.032*		10:45	
	West of OPCAs	0.053		10:45	
06/03/05[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
06/06/05	North of OPCAs	0.080	0.066*	9:30[2]	SSW
	Pittsfield Generating Co.	0.039*		9:30[2]	
	Southeast of OPCAs	0.056		9:30[2]	
	Southwest of OPCAs	0.033*		9:30[2]	
	West of OPCAs	0.059		9:30[2]	
06/07/05	North of OPCAs	0.029	0.026*	11:00	WNW
	Pittsfield Generating Co.	0.015*		11:00	
	Southeast of OPCAs	0.022		11:00	
	Southwest of OPCAs	0.017*		11:00	
	West of OPCAs	0.026		11:00	
06/08/05	North of OPCAs	0.012	0.018*	11:30	WSW
	Pittsfield Generating Co.	0.016*		11:15	
	Southeast of OPCAs	0.013		11:30	
	Southwest of OPCAs	0.019*		11:30	
	West of OPCAs	0.020		11:30	
06/09/05	North of OPCAs	0.068	0.041*	11:15	Calm, SSW, Variable
	Pittsfield Generating Co.	0.025*		11:15	
	Southeast of OPCAs	0.044		11:15	
	Southwest of OPCAs	0.027*		11:15	
	West of OPCAs	0.047		11:15	
06/10/05	North of OPCAs	0.100	0.073*	11:30	SSW
	Pittsfield Generating Co.	0.033*		11:30	
	Southeast of OPCAs	0.059		11:30	
	Southwest of OPCAs	0.034*		11:30	
	West of OPCAs	0.062		11:30	
06/13/05-06/17/05[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
06/20/05	North of OPCAs	0.028	0.019*	12:00	WSW
	Pittsfield Generating Co.	0.024*		12:00	
	Southeast of OPCAs	0.023		12:00	
	Southwest of OPCAs	0.016*		11:53	
	West of OPCAs	0.024		12:00	

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

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

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
06/21/05	North of OPCAs	0.038	0.031*	11:00	WNW
	Pittsfield Generating Co.	0.031*		11:00	
	Southeast of OPCAs	0.028		11:00	
	Southwest of OPCAs	0.026*		11:19	
	West of OPCAs	0.028		11:00	
06/22/05	North of OPCAs	0.005	NA[3]	6:30[2]	NNE
	Pittsfield Generating Co.	0.026*		11:45	
	Southeast of OPCAs	0.015		7:15[2]	
	Southwest of OPCAs	0.021*		10:52	
	West of OPCAs	0.010		9:45[2]	
06/23/05[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
06/24/05	North of OPCAs	0.029	0.027*	11:00	SSW
	Pittsfield Generating Co.	0.022*		11:30	
	Southeast of OPCAs	0.017		11:00	
	Southwest of OPCAs	0.021*		11:13	
	West of OPCAs	0.021		11:00	
06/27/05	North of OPCAs	0.126[4]	0.109*[4]	8:45[5]	Variable
	Pittsfield Generating Co.	0.101*[4]		8:45[5]	
	Southeast of OPCAs	0.078[4]		8:45[5]	
	Southwest of OPCAs	0.096[4]		8:45[5]	
	West of OPCAs	0.077[4]		8:45[5]	
06/28/05[6]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
06/29/05[6]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
06/30/05[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
07/01/05[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
07/04/05[7]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				

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

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

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
07/05/05[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
07/06/05[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
07/07/05	North of OPCAs	0.011	0.008*	9:00[2]	Variable
	Pittsfield Generating Co.	0.008*		9:30[2]	
	Southeast of OPCAs	0.010		9:00[2]	
	Southwest of OPCAs	0.006*		9:15[2]	
	West of OPCAs	0.011		9:15[2]	
07/08/05[6]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
07/11/05	North of OPCAs	0.041	0.064*	11:30	WNW
	Pittsfield Generating Co.	0.033*		11:30	
	Southeast of OPCAs	0.034		11:30	
	Southwest of OPCAs	0.024*		11:30	
	West of OPCAs	0.017[8]		NA[3]	
07/12/05	North of OPCAs	0.077	0.048*	10:45	Variable
	Pittsfield Generating Co.	0.051*		10:45	
	Southeast of OPCAs	0.049		10:45	
	Southwest of OPCAs	0.035*		10:45	
	West of OPCAs	0.074		10:45	
07/13/05	North of OPCAs	0.077	0.054*	11:15	Calm
	Pittsfield Generating Co.	0.047*		11:15	
	Southeast of OPCAs	0.050		11:15	
	Southwest of OPCAs	0.030*		11:15	
	West of OPCAs	0.065		11:30	
07/14/05	North of OPCAs	0.202[4]	0.129*[4]	11:00	WSW
	Pittsfield Generating Co.	0.108*[4]		11:15	
	Southeast of OPCAs	0.111[4]		11:15	
	Southwest of OPCAs	0.062*[4]		11:15	
	West of OPCAs	0.115[4]		11:15	
07/15/05	North of OPCAs	0.107	0.070*	8:15[9]	NNE
	Pittsfield Generating Co.	0.060*		10:15	
	Southeast of OPCAs	0.068		10:15	
	Southwest of OPCAs	0.040*		10:15	
	West of OPCAs	0.083		10:15	
07/18/05[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				

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

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

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
07/19/05[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
07/20/05	North of OPCAs	0.043	0.019*	10:45	WNW
	Pittsfield Generating Co.	0.020*		10:45	
	Southeast of OPCAs	0.019		10:45	
	Southwest of OPCAs	0.029[10]		10:45	
	West of OPCAs	0.041		6:00[11]	
07/21/05	North of OPCAs	0.042	0.016*	11:45	NNW, WNW
	Pittsfield Generating Co.	0.016*		12:00	
	Southeast of OPCAs	0.024		11:45	
	Southwest of OPCAs	0.006*		11:45	
	West of OPCAs	0.016		11:45	
07/22/05	North of OPCAs	0.072	0.027*	11:15	WNW
	Pittsfield Generating Co.	0.046*		11:15	
	Southeast of OPCAs	0.051		11:15	
	Southwest of OPCAs	0.097*		11:15	
	West of OPCAs	0.037		11:15	
07/25/05	North of OPCAs	0.070	0.030*	10:00[2]	WSW, WNW
	Pittsfield Generating Co.	0.072*		10:00[2]	
	Southeast of OPCAs	0.046		10:00[2]	
	Southwest of OPCAs	0.025*		10:00[2]	
	West of OPCAs	0.055		10:00[2]	
07/26/05[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
07/27/05[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
07/28/05[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				

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

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

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
07/29/05	North of OPCAs	0.030	0.018*	10:45	WSW
	Pittsfield Generating Co.	0.029*		10:45	
	Southeast of OPCAs	0.021		10:45	
	Southwest of OPCAs	0.013*		10:45	
	West of OPCAs	0.031		10:45	
Notification Level		0.120			

Notes:

NA - Not Available.

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

Background monitoring location inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street through July 15.

On July 18, 2005, background monitoring location was relocated north of Building 9B, between Building 9B and New York Avenue. Background location was relocated to be more representative of background conditions.

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

[1] Sampling was not performed due to lack of site activity.

[2] Sampling period was shortened due to precipitation/threat of precipitation.

[3] Sampling data are not available due to equipment failure.

[4] Sampling data are biased high due to very high humidity levels, particularly in the AM and early PM.

[5] Sampling period was shortened due to late notification of monitors needed.

[6] Sampling was not performed due to precipitation/threat of precipitation.

[7] Sampling was not performed due to lack of site activity on the July 4th holiday.

[8] Reading reflects average concentration manually recorded at the end of the day. Unable to download data due to equipment failure.

[9] Sampling period was shortened due to equipment re-calibration.

[10] Represents data from a DR-2000 and pDR-1000. The DR-2000 at the southwest location was switched out with a pDR-1000 because of the need for a DR-2000 following a monitor failure at the background location.

[11] Sampling data were modified to delete invalid readings due to insect interference (spider).

TABLE 5-5
BUILDING 71 CONSOLIDATION AREA LEACHATE TRANSFER SUMMARY
PLANT AREA - HILL 78 & BUILDING 71 CONSOLIDATION AREAS

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

Month / Year	Total Volume of Leachate Transferred (Gallons)
July 2004	171,000
August 2004	214,000
September 2004	230,000
October 2004	177,000
November 2004	138,000
December 2004	146,000
January 2005	136,000
February 2005	116,500
March 2005	174,500
April 2005	192,000
May 2005	89,500
June 2005	130,000
July 2005	127,500

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
JULY 2005

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

a. Activities Undertaken/Completed

- Continued compilation and validation of pre-design investigation analytical results for Pre-Design Investigation Report.

- Initiated assessment of City of Pittsfield storm drains and sewer lines extending beneath Hill 78 to be included in Pre-Design Investigation Report.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Work on preparation of Pre-Design Investigation Report (due September 8, 2005).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 7
PLANT AREA
UNKAMET BROOK AREA
(GECD170)
JULY 2005

a. Activities Undertaken/Completed

- Completed pre-demolition preparation of GE Advanced Materials Plant Site 1 buildings.

- Continued demolition of GE Advanced Materials Plant Site 1 buildings and off-site disposal of associated waste materials.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

- Prepare letter summarizing existing soil data in the area of a service/convenience station located within Parcel L12-1-2.*

- Complete demolition of GE Advanced Materials Plant Site 1 buildings.

- Continue off-site disposal of waste materials associated with demolition of GE Advanced Materials Plant Site 1 buildings.

- Continue preparation of Pre-Design Investigation (PDI) Report (due September 7, 2005).*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

- Refusal was encountered at 1 foot below ground surface at six locations anticipated to be borings extending to 15 feet in the vicinity of the Unkamet Brook portion flowing through Parcel L11-4-11. As previously communicated to EPA, these sample locations continue to be inaccessible and will not likely be accessible until after the PDI Report is submitted to EPA. The need for the collection of the soil samples from the deeper sampling increments at these locations will be addressed in the PDI Report.*

ITEM 7
(cont'd)
PLANT AREA
UNKAMET BROOK AREA
(GECD170)
JULY 2005

e. General Progress/Unresolved Issues/Potential Schedule Impacts (cont'd)

- Soil samples have not been collected from five surface locations and one boring location at Parcel L12-1-2 because the location of the newly constructed Pittsfield Xtra Mart has obstructed access and created safety concerns due to installed product lines that are in close proximity to the proposed soil sample locations. GE and EPA are discussing alternatives to collecting those samples. To facilitate those discussions, GE has agreed to prepare a letter report summarizing the analytical data currently available for Parcel L12-1-2.*

f. Proposed/Approved Work Plan Modifications

None

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

UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
GE Advanced Materials Sweepings Sampling	119-SWEEP-1	6/27/05	Soil	SGS	PCB	7/5/05
GE Advanced Materials Sweepings Sampling	119-SWEEP-2	6/27/05	Soil	SGS	PCB	7/5/05
GE Advanced Materials Sweepings Sampling	119-SWEEP-3	6/27/05	Soil	SGS	PCB	7/5/05
Unkamet Brook Beaver Dam Roll-Off Sampling	RO-3008-BD-1	6/27/05	Soil	SGS	PCB	7/5/05
Unkamet Brook Beaver Dam Roll-Off Sampling	RO-3008-BD-2	6/27/05	Soil	SGS	PCB	7/5/05
Unkamet Brook Beaver Dam Roll-Off Sampling	RO-3008-BD-3	6/27/05	Soil	SGS	PCB	7/5/05

TABLE 7-2
PCB DATA RECEIVED DURING JULY 2005

GE ADVANCED MATERIALS SWEEPINGS SAMPLING
UNKAMET BROOK AREA
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
119-SWEEP-1	6/27/2005	ND(0.033)	0.030 J	0.051	0.081
119-SWEEP-2	6/27/2005	ND(0.033)	ND(0.033)	0.018 J	0.018 J
119-SWEEP-3	6/27/2005	ND(0.033)	0.088	0.072	0.16

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 7-3
PCB DATA RECEIVED DURING JULY 2005

BEAVER DAM ROLL-OFF SAMPLING
UNKAMET BROOK AREA
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
RO-3008-BD-1	6/27/2005	ND(3.7)	11	4.3	15.3
RO-3008-BD-2	6/27/2005	ND(5.2)	16	7.4	23.4
RO-3008-BD-3	6/27/2005	ND(1.9)	7.9	3.5	11.4

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.

ITEM 8
FORMER OXBOW AREAS A & C
(GECD410)
JULY 2005

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

a. Activities Undertaken/Completed

Completed Final RD/RA Work Plan.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted Final RD/RA Work Plan to EPA (July 5, 2005).

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

None

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 9
LYMAN STREET AREA
(GECD430)
JULY 2005

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

a. Activities Undertaken/Completed

Continued preparation of Final RD/RA Work Plan (due on or before September 2, 2005).

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Submit Final RD/RA Work Plan (due on or before September 2, 2005).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 10
NEWELL STREET AREA I
(GECD440)
JULY 2005

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

- Record ERE and Notice of Completion for Parcel J9-23-24 following receipt of EPA approval and MDEP acceptance of same.

- Initiate remediation of Parcel J9-23-13 and Parcels J9-23-19, -20, and -21.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 11
NEWELL STREET AREA II
(GECD450)
JULY 2005

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

a. Activities Undertaken/Completed

Initiated remediation.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Submit analytical results for proposed backfill and topsoil sources once received from the laboratory.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA approval of the June 24, 2005 Supplemental Information Package (July 12, 2005).

ITEM 12
FORMER OXBOW AREAS J & K
(GECD420)
JULY 2005

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

a. Activities Undertaken/Completed

Continued preparation of Final RD/RA Work Plan.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Submit Final RD/RA Work Plan (due to EPA on or before September 14, 2005).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

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

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

a. Activities Undertaken/Completed

Prepared draft trip reports detailing results of 2005 restored bank erosion inspection and spring 2005 restored bank vegetation inspection.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted draft trip reports detailing results of 2005 restored bank erosion inspection and spring 2005 restored bank vegetation inspection.

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

- Submit draft proposal for modification of restored bank vegetation monitoring program.

- Conduct fall 2005 restored bank vegetation inspection and 2005 aquatic habitat structures inspection.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

- Seepage meter monitoring has not occurred due to increased water levels. EPA and GE have agreed to postpone installation of seepage meters until after the completion of EPA activities in the 1½ Mile Reach.

- Issues relating to total organic carbon (TOC) content in isolation layer remain unresolved. EPA and GE have agreed that GE's report on those issues will be deferred until after the seepage meter data are available. The Final Completion Report for Upper ½ Mile Reach Removal Action will be submitted following resolution of those issues.

f. Proposed/Approved Work Plan Modifications

None

ITEM 14
HOUSATONIC RIVER AREA
1½-MILE REACH
(GECD820)
JULY 2005

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

a. Activities Undertaken/Completed

On July 28, 2005, BBL (on GE's behalf) performed a round of water column monitoring at eight locations along the Housatonic River between Coltsville, MA and Great Barrington, MA. One of these locations is situated in the 1½-Mile Reach: Lyman Street Bridge (Location 4). Pomeroy Avenue Bridge (Location 6A) was not sampled during this month due to remediation construction activities at Pomeroy Avenue. A composite grab sample was collected at Location 4 and submitted to Northeast Analytical for analysis of PCBs (total), TSS, POC, and chlorophyll-a (see Table 14-1). (The other seven locations are discussed under Item 15 below.)

b. Sampling/Test Results Received

See attached table.

c. Work Plans/Reports/Documents Submitted

None

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

Continue 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 JULY 2005

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Monthly Water Column Sampling	LOCATION-4	6/28/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	7/14/05
Monthly Water Column Sampling	LOCATION-4	7/28/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	

TABLE 14-2
SAMPLE DATA RECEIVED DURING JULY 2005

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

Sample ID	Location	Date Collected	Aroclor 1016, 1221, 1232, 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
LOCATION-4	Lyman Street Bridge	6/28/2005	ND(0.0000220)	ND(0.0000220)	0.0000340 AF	0.0000280 AG	0.0000620	2.23	17.5	0.0063

Notes:

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

Data Qualifiers:

AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

ITEM 15
HOUSATONIC RIVER AREA
REST OF THE RIVER
(GECD850)
JULY 2005

a. Activities Undertaken/Completed

- On July 28, 2005, BBL (on GE's behalf) performed a round of water column monitoring at eight locations along the Housatonic River between Coltsville and Great Barrington, MA. One location is situated in the 1½-Mile Reach of the Housatonic River and was discussed in Item 14. Of the remaining seven locations, two are located upstream of the 1½-Mile Reach: Hubbard Avenue Bridge (Location 1) and Newell Street Bridge (Location 2). The five remaining locations are situated in the Rest of the River: Holmes Road Bridge (Location 7); New Lenox Road Bridge (Location 9); Woods Pond Headwaters (Location 10); Schweitzer Bridge (Location 12); and Division Street Bridge (Location 13). Sampling activities were performed at all these locations on July 28, 2005 from downstream to upstream. Composite grab samples were collected at each location sampled and submitted to Northeast Analytical for analysis of PCBs (total), TSS, POC, and chlorophyll-a (see Table 15-1).

- Conducted additional soil sampling at Parcels K4-6-28, K4-6-27, and J3-2-1 (Noble Farm property) on July 20-21, 2005. In all, 39 samples were collected from the 0- to 1-foot depth interval and submitted to SGS for PCB analysis.

- Continued work on development of Interim Media Protection Goals (IMPG) Proposal.*

b. Sampling/Test Results

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted notification of planned additional soil sampling at Parcels K4-6-27, K4-6-28, and J3-2-1 (July 7, 2005).

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

- Continue Housatonic River monthly water column monitoring.

- GE is working with EPA to collect cross-section (geometry) data for approximately 140 transects located on the Housatonic River between Woods Pond Dam and Rising Pond Dam. These data will be used to expand EPA's current model of the Housatonic River from Woods Pond Dam downstream to Rising Pond Dam.*

- Continue development of IMPG Proposal (due September 6, 2005).*

ITEM 15
(cont'd)
HOUSATONIC RIVER AREA
REST OF THE RIVER
(GECD850)
JULY 2005

e. General Progress/Unresolved Issues/Potential Schedule Impacts

- Issues relating to Woods Pond Dam are under discussion with Trustees.
- Issues relating to IMPGs are under discussion with EPA.*

f. Proposed/Approved Work Plan Modifications

None

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

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

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Monthly Water Column Sampling	HR-D1 (LOCATION-12)	7/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	HR-D1 (LOCATION-12)	6/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	7/14/05
Monthly Water Column Sampling	LOCATION-1	7/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	LOCATION-1	6/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	7/14/05
Monthly Water Column Sampling	LOCATION-10	6/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	7/14/05
Monthly Water Column Sampling	LOCATION-10	7/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	LOCATION-12	6/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	7/14/05
Monthly Water Column Sampling	LOCATION-12	7/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	LOCATION-13	7/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	LOCATION-13	6/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	7/14/05
Monthly Water Column Sampling	LOCATION-2	7/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	LOCATION-2	6/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	7/14/05
Monthly Water Column Sampling	LOCATION-7	6/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	7/14/05
Monthly Water Column Sampling	LOCATION-7	7/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	LOCATION-9	7/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	LOCATION-9	6/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	7/14/05
Noble Farm Surficial Soil Investigation	NP1-001-01	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-001-02	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-002-01	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-003-01	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-003-02	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-004-01	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-004-02	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-005-01	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-006-01	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-007-01	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-007-02	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-008-01	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-008-02	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-009-01	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-010-01	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-010-02	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-011-01	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-012-01	7/20/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-012-02	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-012-03	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-013-01	7/21/05	0-1	Soil	SGS	PCB	7/29/05

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

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

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Noble Farm Surficial Soil Investigation	NP1-013-02	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-013-03	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-014-01	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-014-02	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-015-01	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-015-02	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-015-03	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-016-01	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-017-01	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-017-02	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-017-03	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-018-01	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-018-02	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-019-01	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-019-02	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-019-03	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-020-01	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-020-02	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-DUP-1 (NP1-003-02)	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-DUP-2 (NP1-012-02)	7/21/05	0-1	Soil	SGS	PCB	7/29/05
Noble Farm Surficial Soil Investigation	NP1-DUP-3 (NP1-019-02)	7/21/05	0-1	Soil	SGS	PCB	7/29/05

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

TABLE 15-2
SAMPLE DATA RECEIVED DURING JULY 2005

MONTHLY WATER COLUMN SAMPLING
HOUSATONIC RIVER - REST OF RIVER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample ID	Location	Date Collected	Aroclor 1016, 1221, 1232, 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
LOCATION-1	Hubbard Avenue Bridge	6/28/2005	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.889	4.67	0.0024
LOCATION-2	Newell Street Bridge	6/28/2005	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	1.36	12.1	0.0065
LOCATION-7	Holmes Road Bridge	6/28/2005	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.0000390 AG	0.0000390	0.677	5.00	0.0127
LOCATION-9	New Lenox Road Bridge	6/28/2005	ND(0.0000220)	0.0000340 PE	0.0000480 AF	0.0000560 AG	0.000138	0.388	1.80	0.0074
LOCATION-10	Headwaters of Woods Pond	6/28/2005	ND(0.0000220)	0.0000420 PE	0.0000480 AF	0.0000900 AG	0.000180	0.864	5.36	0.0082
LOCATION-12	Schweitzer Bridge	6/28/2005	ND(0.0000220)	0.0000320 PE	0.0000300 AF	0.0000420 AG	0.000104	0.647	5.94	0.0134
		6/28/2005	[ND(0.0000220)]	[0.0000330 PE]	[0.0000310 AF]	[0.0000470 AG]	[0.000111]	[0.743]	[3.54]	[0.0143]
LOCATION-13	Division Street Bridge	6/28/2005	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.420	2.10	0.0093

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. for analysis of unfiltered PCBs, total suspended solids (TSS), particulate organic carbon (POC), and
2. chlorophyll (a).
   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
3. river depth at each station.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
   Field duplicate sample results are presented in brackets.

Data Qualifiers:

AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
PE - Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCBs present in a sample
that has undergone environmental alteration.

TABLE 15-3
PCB DATA RECEIVED DURING JULY 2005

NOBLE FARM SURFICIAL SOIL INVESTIGATION
HOUSATONIC RIVER - REST OF RIVER
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
NP1-001-01	0-1	7/20/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
NP1-001-02	0-1	7/20/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
NP1-002-01	0-1	7/20/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
NP1-003-01	0-1	7/20/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
NP1-003-02	0-1	7/20/2005	ND(0.039) [ND(0.039)]	ND(0.039) [ND(0.039)]	0.021 J [0.021 J]	0.021 J [0.021 J]
NP1-004-01	0-1	7/20/2005	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
NP1-004-02	0-1	7/20/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
NP1-005-01	0-1	7/20/2005	ND(0.041)	ND(0.041)	0.017 J	0.017 J
NP1-006-01	0-1	7/20/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
NP1-007-01	0-1	7/20/2005	ND(0.037)	ND(0.037)	0.022 J	0.022 J
NP1-007-02	0-1	7/20/2005	ND(0.039)	ND(0.039)	0.024 J	0.024 J
NP1-008-01	0-1	7/20/2005	ND(0.039)	ND(0.039)	0.036 J	0.036 J
NP1-008-02	0-1	7/20/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
NP1-009-01	0-1	7/20/2005	ND(0.039)	ND(0.039)	0.012 J	0.012 J
NP1-010-01	0-1	7/20/2005	ND(0.040)	ND(0.040)	0.030 J	0.030 J
NP1-010-02	0-1	7/20/2005	ND(0.039)	ND(0.039)	0.021 J	0.021 J
NP1-011-01	0-1	7/20/2005	ND(0.038)	ND(0.038)	0.055	0.055
NP1-012-01	0-1	7/20/2005	ND(0.96)	ND(0.96)	16	16
NP1-012-02	0-1	7/21/2005	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	0.50 [0.55]	0.50 [0.55]
NP1-012-03	0-1	7/21/2005	ND(0.041)	ND(0.041)	0.11	0.11
NP1-013-01	0-1	7/21/2005	ND(0.040)	ND(0.040)	0.073	0.073
NP1-013-02	0-1	7/21/2005	ND(0.040)	ND(0.040)	0.028 J	0.028 J
NP1-013-03	0-1	7/21/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
NP1-014-01	0-1	7/21/2005	ND(0.037)	ND(0.037)	0.062	0.062
NP1-014-02	0-1	7/21/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
NP1-015-01	0-1	7/21/2005	ND(0.040)	ND(0.040)	0.065	0.065
NP1-015-02	0-1	7/21/2005	ND(0.043)	ND(0.043)	0.055	0.055
NP1-015-03	0-1	7/21/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
NP1-016-01	0-1	7/21/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
NP1-017-01	0-1	7/21/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
NP1-017-02	0-1	7/21/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
NP1-017-03	0-1	7/21/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
NP1-018-01	0-1	7/21/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
NP1-018-02	0-1	7/21/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
NP1-019-01	0-1	7/21/2005	ND(0.036)	ND(0.036)	0.022 J	0.022 J
NP1-019-02	0-1	7/21/2005	ND(0.035) [ND(0.036)]	ND(0.035) [ND(0.036)]	ND(0.035) [0.032 J]	ND(0.035) [0.032 J]
NP1-019-03	0-1	7/21/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
NP1-020-01	0-1	7/21/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
NP1-020-02	0-1	7/21/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)

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

Data Qualifiers:

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

ITEMS 16 & 17
HOUSATONIC RIVER FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1½-MILE REACH (GECD710 AND GECD720)
JULY 2005

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

a. Activities Undertaken/Completed

- Continued remediation at the Group 3A/3B floodplain properties.
- Continued the Remediation Contractor selection process for the Group 3C and 3D floodplain properties.
- Completed Supplemental PDI Report – Phase 4 Properties, Group 4A.
- Continued preparation of RD/RA Work Plan for Phase 4 Properties.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted Supplemental PDI Report – Phase 4 Properties, Group 4A (July 13, 2005).

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

- Continue remediation at Group 3A and 3B properties.
- Select Remediation Contractor for Group 3C and 3D properties.
- Submit Supplemental Information Package for remediation of Group 3C and 3D properties.
- Continue preparation of RD/RA Work Plan for Phase 4 properties (due August 29, 2005).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

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

f. Proposed/Approved Work Plan Modifications

Received conditional approval from EPA of the RD/RA Work Plan for the Group 3C and 3D Floodplain Properties (July 20, 2005).

ITEM 18
HOUSATONIC RIVER FLOODPLAIN
CURRENT RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE
(ACTUAL/POTENTIAL LAWNS)
(GECD730)
JULY 2005

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

None

e. General Progress/Unresolved Issues/Potential Schedule Impacts

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

f. Proposed/Approved Work Plan Modifications

None

ITEM 20
OTHER AREAS
SILVER LAKE AREA
(GECD600)
JULY 2005

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

a. Activities Undertaken/Completed

- Performed water level monitoring at Silver Lake staff gauge and monitoring wells surrounding the lake (see Item 21.a).

- Initiated performance of Stage 3 of the Bench-Scale study for sediments in accordance with the Bench-Scale Study Work Plan.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled Activities (next six weeks)

- Continue water level monitoring at well pairs surrounding the lake.

- Continue Bench-Scale study for sediments in accordance with the Bench-Scale Study Work Plan.

- Send ERE requests to owners of certain commercial properties adjacent to Silver Lake.

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)
JULY 2005

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

a. Activities Undertaken/Completed

General

- Conducted routine groundwater elevation and NAPL monitoring, including 2005 quarterly monitoring round.

- Continued work on preparation of spring 2005 NAPL monitoring report.

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 or the South Side Caisson in July.

- Collected approximately 0.020 liter (0.005 gallon) of LNAPL from wells in this area in July.

- Performed inspection of stormwater and sanitary sewer lines along East Street, Newell Street, Fasce Street, and Lombard Street. No signs of NAPL observed.

East Street Area 2-South:

- Continued automated groundwater and LNAPL removal activities. A total of approximately 3,602,427 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 732 gallons of LNAPL were removed from pumping systems 64R, 64V, RW-1(S), RW-1(X), 64X, and 64S Caisson.

- Continued automated DNAPL removal activities. Removed approximately 44 gallons of DNAPL from pumping system RW-3(X).

- Continued routine well monitoring and manual NAPL removal activities. Approximately 10.61 liters (2.8 gallons) of LNAPL and approximately 3.97 liters (1.05 gallons) of DNAPL were removed from wells in this area during July.

- Treated/discharged 3,601,265 gallons of water through 64G Groundwater Treatment Facility.

- Completed LNAPL recovery testing at wells GMA1-15, GMA1-17W, and GMA1-19.

ITEM 21
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GECD310)
JULY 2005

a. Activities Undertaken/Completed (cont'd)

East Street Area 2-North:

- Continued routine well monitoring and NAPL removal activities. Recoverable quantities of NAPL were not encountered in this area during July.

20s, 30s, and 40s Complexes:

- Continued routine well monitoring and manual NAPL removal activities. Recoverable quantities of NAPL were not encountered in this area during July.

Lyman Street Area:

- Continued automated groundwater and NAPL removal activities. Approximately 10 gallons of LNAPL were removed from System RW-3.

- Continued routine well monitoring and manual NAPL removal activities. Approximately 1.66 liters (0.44 gallon) of DNAPL were removed from wells in this area.

- Decommissioned well LSSC-05.

Newell Street Area II:

- Continued automated DNAPL recovery, with the collection of approximately 62.9 gallons of DNAPL from the automated collection systems.

- Continued routine well monitoring and manual NAPL removal activities. Approximately 1.01 liters (0.27 gallon) of LNAPL and approximately 0.46 liter (0.12 gallon) of DNAPL were removed from wells in this area during July.

- Conducted shutdown of total Newell Street Area II DNAPL recovery systems and initiated dismantling of above-grade recovery system piping network in preparation for recovery system upgrades to be implemented prior to EPA-approved remedial actions to address soils (July 25, 2005).

Silver Lake Area:

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

ITEM 21
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GECD310)
JULY 2005

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

- Continue routine monitoring activities.

- Initiate upgrades to DNAPL recovery systems at Newell Street Area II, including replacement of wells N2SC-1I and N2SC-3I with larger diameter recovery wells.

- Continue work on preparation of spring 2005 NAPL monitoring report (due August 31, 2005), which will include a proposal to install additional LNAPL monitoring wells in East Street Area 2-South.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

- Received EPA conditional approval of GE's June 7, 2005 submittal of DNAPL recovery testing results and proposed modifications to Newell Street Area II DNAPL recovery systems (July 12, 2005).

- Received EPA conditional approval of GE's June 23, 2005 submittal of engineering plans for modifications to Newell Street Area II DNAPL recovery systems (July 12, 2005).

TABLE 21-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING JULY 2005

GROUNDWATER MANAGEMENT AREA 1
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Decon Water Drum Sampling	NSII-PW-WATER-1	7/8/05	Water	SGS	PCB	7/19/05
Decon Water Drum Sampling	NSII-PW-WATER-2	7/8/05	Water	SGS	Total RCRA Metals	7/19/05
Decon Water Drum Sampling	NSII-PW-WATER-3	7/8/05	Water	SGS	VOC	7/19/05
Decon Water Drum Sampling	NSII-PW-WATER-4	7/8/05	Water	SGS	VOC	7/19/05
Development Water Sampling	DW-GMA1-19-1	7/12/05	Water	SGS	PCB, VOC, SVOC, Total RCRA Metals	7/21/05
Development Water Sampling	DW-GMA1-20-1	7/12/05	Water	SGS	PCB, VOC, SVOC, Total RCRA Metals	7/21/05
Development Water Sampling	DW-GMA1-21-1	7/12/05	Water	SGS	PCB, VOC, SVOC, Total RCRA Metals	7/21/05
GE Plastics 51-21 Hut Drum Sampling	51-21-HUT-OIL-1	7/13/05	Oil	SGS	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	7/26/05
Lyman Street DNAPL Sampling	LS-DNAPL-OIL-1	7/12/05	Oil	SGS	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	7/25/05
Lyman Street LNAPL Sampling	LymanSt.LNAPL-1	7/7/05	Oil	SGS	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	7/25/05
Newell Street Area II DNAPL Drum Sampling	NS-DNAPL-OIL-1	7/13/05	Oil	SGS	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	7/25/05
Plastics 51-59 Oil Sampling	51-59-OIL-1	7/13/05	Oil	SGS	PCB, VOC, SVOC, Total RCRA Metals, Flashpoint	7/26/05

TABLE 21-2
DATA RECEIVED DURING JULY 2005

DEVELOPMENT WATER SAMPLING
GROUNDWATER MANAGEMENT AREA 1
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	DW-GMA1-19-1 07/12/05	DW-GMA1-20-1 07/12/05	DW-GMA1-21-1 07/12/05
Volatile Organics			
1,1-Dichloroethane	0.00094 J	ND(0.010)	ND(0.010)
Benzene	ND(0.0050)	0.018	ND(0.010)
Chlorobenzene	0.0085	0.68	0.12
Ethylbenzene	0.00075 J	ND(0.010)	ND(0.010)
trans-1,2-Dichloroethene	0.00080 J	ND(0.010)	ND(0.010)
Trichloroethene	0.0018 J	ND(0.010)	ND(0.010)
Xylenes (total)	0.0051 J	0.025	ND(0.010)
PCBs-Unfiltered			
Aroclor-1254	0.068	0.0029	0.0012
Aroclor-1260	0.029	0.00062	0.00034
Total PCBs	0.097	0.00352	0.00154
Semivolatile Organics			
1,2,4-Trichlorobenzene	0.0065 J	ND(0.010)	ND(0.010)
1,3-Dichlorobenzene	ND(0.010)	0.0027 J	0.0046 J
1,4-Dichlorobenzene	ND(0.010)	0.0089 J	0.016
2-Chlorophenol	ND(0.010)	0.0098 J	0.0080 J
Fluoranthene	0.0015 J	ND(0.010)	ND(0.010)
Fluorene	ND(0.010)	0.0019 J	ND(0.010)
Pyrene	0.0018 J	ND(0.010)	ND(0.010)
Inorganics-Unfiltered			
Arsenic	0.00620	ND(0.00500)	ND(0.00500)
Barium	0.140	0.120	0.110
Cadmium	0.00380	0.000920 B	0.000520 B
Chromium	0.0100	0.00280 B	0.00260 B
Lead	0.0680	ND(0.00500)	ND(0.00500)
Mercury	0.000810	ND(0.000200)	ND(0.000200)
Selenium	0.00400 B	ND(0.00500)	ND(0.00500)
Silver	0.00560	0.00260 B	0.00240 B

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS Environmental Services, Inc. for analysis of volatiles, PCBs, semivolatiles, and metals.
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.

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
DATA RECEIVED DURING JULY 2005

GE PLASTICS 51-21 HUT DRUM SAMPLING AND 51-59 OIL SAMPLING
GROUNDWATER MANAGEMENT AREA 1
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	51-21-HUT-OIL-1 07/13/05	51-59-OIL-1 07/13/05
Volatile Organics		
Ethylbenzene	3.1 J	ND(32)
Xylenes (total)	9.9 J	4.4 J
PCBs		
Aroclor-1254	ND(8.0)	40
Aroclor-1260	150	72
Total PCBs	150	112
Semivolatile Organics		
1,4-Dichlorobenzene	17 J	ND(130)
2-Methylnaphthalene	340	94 J
Fluorene	70 J	ND(130)
Naphthalene	80 J	26 J
Phenanthrene	170	ND(130)
Inorganics		
Arsenic	0.800	0.400 B
Barium	4.80	4.20
Chromium	1.40	1.00
Lead	0.300 B	0.740 B
Selenium	1.40	2.00
Silver	0.280 B	ND(0.750)
Conventional Parameters		
Flash Point (^{o}F)	>180	>180

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS Environmental Services, Inc. for analysis of volatiles, PCBs, semivolatiles, metals and flashpoint.
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.

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 21-4
DATA RECEIVED DURING JULY 2005

DNAPL AND LNAPL SAMPLING
GROUNDWATER MANAGEMENT AREA 1
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	LS-DNAPL-OIL-1 07/12/05	LYMANST.LNAPL-1 07/07/05
Volatile Organics		
Benzene	ND(45)	37
Carbon Tetrachloride	16000 E	62
Chlorobenzene	ND(45)	1400
Chloroform	130	30
Ethylbenzene	240	100
Toluene	71	22 J
Trichloroethene	7700 E	52
Xylenes (total)	3300	700
PCBs		
Aroclor-1254	390000	80000
Total PCBs	390000	80000
Semivolatile Organics		
1,2,4-Trichlorobenzene	25000	400
1,2-Dichlorobenzene	ND(2200)	42 J
1,3-Dichlorobenzene	ND(2200)	150
1,4-Dichlorobenzene	360 J	500
2-Methylnaphthalene	ND(2200)	380
Acenaphthene	ND(2200)	340
Anthracene	ND(2200)	210
Benzo(a)anthracene	ND(2200)	170
Benzo(a)pyrene	ND(2200)	99 J
Benzo(b)fluoranthene	ND(2200)	65 J
Benzo(g,h,i)perylene	ND(2200)	40 J
Benzo(k)fluoranthene	ND(2200)	82 J
Chrysene	ND(2200)	170
Dibenzofuran	ND(2200)	47 J
Fluoranthene	ND(2200)	320
Fluorene	ND(2200)	200
Indeno(1,2,3-cd)pyrene	ND(2200)	44 J
Naphthalene	ND(2200)	200
Phenanthrene	ND(2200)	700
Pyrene	ND(2200)	460
Inorganics		
Arsenic	0.470 B	4.60
Barium	1.60	23.0
Cadmium	ND(0.150)	0.0620 B
Chromium	0.720 B	7.80
Lead	2.20	17.0
Mercury	0.190 B	ND(0.200)
Selenium	1.40	1.90 B
Silver	0.230 B	0.520 B
Conventional Parameters		
Flash Point (^{0}F)	>180	>180

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS Environmental Services, Inc. for analysis of volatiles, PCBs, semivolatiles, metals and flashpoint.
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.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles)

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

Inorganics

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

TABLE 21-5
DATA RECEIVED DURING JULY 2005

DECON WATER DRUM SAMPLING
GROUNDWATER MANAGEMENT AREA 1
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	NSII-PW-WATER-1 07/08/05	NSII-PW-WATER-2 07/08/05	NSII-PW-WATER-3 07/08/05	NSII-PW-WATER-4 07/08/05
Volatile Organics				
2-Butanone	NA	NA	0.0021 J	0.0031 J
Acetone	NA	NA	0.024	0.025
Chlorobenzene	NA	NA	0.0048 J	0.0048 J
Chloroform	NA	NA	0.0037 J	0.0034 J
Ethylbenzene	NA	NA	0.0029 J	0.0027 J
Methylene Chloride	NA	NA	0.00081 J	0.00084 J
Toluene	NA	NA	0.011	0.0047 J
Trichloroethene	NA	NA	0.0012 J	0.0011 J
Vinyl Chloride	NA	NA	0.0019 J	0.0019 J
Xylenes (total)	NA	NA	0.0087 J	0.0076 J
PCBs-Unfiltered				
Aroclor-1254	0.032	NA	NA	NA
Total PCBs	0.032	NA	NA	NA
Inorganics-Unfiltered				
Barium	NA	0.120	NA	NA
Chromium	NA	0.0180	NA	NA
Lead	NA	0.0270	NA	NA
Selenium	NA	0.00440 B	NA	NA

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS Environmental Services, Inc. for analysis of volatiles, PCBs and metals.
2. NA - Not Analyzed.
3. Only those constituents detected in one or more samples are summarized.

Data Qualifiers:

Organics (PCBs, volatiles)
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 21-6
DATA RECEIVED DURING JULY 2005

DNAPL DRUM SAMPLING
GROUNDWATER MANAGEMENT AREA 1
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	NS-DNAPL-OIL-1 07/13/05
Volatile Organics	
Ethylbenzene	670
Tetrachloroethene	630
Toluene	1800
Trichloroethene	27000
Xylenes (total)	4600
PCBs	
Aroclor-1254	260000
Total PCBs	260000
Semivolatile Organics	
1,2,4-Trichlorobenzene	35000
1,2-Dichlorobenzene	590 J
1,3-Dichlorobenzene	440 J
1,4-Dichlorobenzene	2700 J
Inorganics	
Arsenic	0.440 B
Barium	0.580
Chromium	0.500 B
Lead	0.740 B
Selenium	1.40
Conventional Parameters	
Flash Point (^{o}F)	>180

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

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 21-7
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
July 2005

Caisson	Month	Vol. LNAPL Collected (gallon)	Vol. Water Recovered (gallon)	Percent Downtime
Northside	July 2004	4.4	16,700	
	August 2004	2.0	16,300	
	September 2004	4.0	24,300	
	October 2004	0.0	25,000	0.30
	November 2004	0.0	18,300	0.31 - Power Outage
	December 2004	35.0	32,200	
	January 2005	2.0	32,600	
	February 2005	3.0	24,700	
	March 2005	1.0	34,700	
	April 2005	0.0	37,100	1.72 - Power Outage
	May 2005	20.0	16,300	
	June 2005	22.0	21,000	8.57 - Maintenance
	July 2005	0.0	16,600	
Southside	July 2004	4.4	67,100	
	August 2004	0.0	67,300	
	September 2004	0.0	102,700	
	October 2004	2.0	82,700	0.30
	November 2004	2.0	69,600	0.31 - Power Outage
	December 2005	4.0	98,300	
	January 2005	1.0	77,400	
	February 2005	1.0	76,500	
	March 2005	1.0	98,200	
	April 2005	0.0	99,900	1.72 - Power Outage
	May 2005	0.0	86,600	
	June 2005	2.0	100,300	
	July 2005	0.0	45,800	

TABLE 21-8
MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL
EAST STREET AREA 1 - NORTH & SOUTH
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	July 2005 Removal (liters)
131	7/27/2005	4.42	4.41	0.01	0.002	0.002
34	7/27/2005	6.12	6.09	0.03	0.019	0.019
72	7/27/2005	6.88	6.87	0.01	0.006	0.006

Total Manual LNAPL Removal for July 2005: 0.020 liters
0.005 gallons

Note:

1. ft BMP - feet Below Measuring Point.

TABLE 21-9
ROUTINE WELL MONITORING
EAST STREET AREA 1 - NORTH & SOUTH
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
GMA 1 - East Street Area 1 - North									
52	999.26	7/27/2005	5.34	---	0.00	---	15.05	0.00	993.92
131	1,001.18	7/27/2005	4.42	4.41	0.01	---	6.30	0.00	996.77
140	1,000.30	7/27/2005	7.79	---	0.00	---	15.28	0.00	992.51
ES1-08	1,000.85	7/27/2005	5.75	---	0.00	---	13.50	0.00	995.10
North Caisson	997.84	7/7/2005	18.12	18.11	0.01	---	19.80	0.00	979.73
North Caisson	997.84	7/13/2005	18.32	18.31	0.01	---	19.80	0.00	979.53
North Caisson	997.84	7/20/2005	18.42	18.41	0.01	---	19.80	0.00	979.43
North Caisson	997.84	7/28/2005	18.50	18.48	0.02	---	19.80	0.00	979.36
GMA 1 - East Street Area 1 - South									
31R	1,000.23	7/27/2005	9.46	---	0.00	---	15.05	0.00	990.77
33	999.50	7/27/2005	6.94	---	0.00	---	21.30	0.00	NA
34	999.90	7/27/2005	6.12	6.09	0.03	---	21.02	0.00	993.81
37R	988.79	7/27/2005	10.15	---	0.00	---	17.47	0.00	978.64
72	1,000.62	7/27/2005	6.88	6.87	0.01	---	21.95	0.00	993.75
72R	1,000.92	7/27/2005	6.71	---	0.00	---	13.30	0.00	994.21
80	989.98	7/27/2005	5.92	---	0.00	---	24.75	0.00	984.06
89	993.89	7/27/2005	4.02	---	0.00	---	9.11	0.00	989.87
90	987.65	7/27/2005	5.98	---	0.00	---	12.16	0.00	981.67
139R	986.91	7/27/2005	12.02	---	0.00	---	14.16	0.00	974.89
ES1-13	999.93	7/27/2005	6.70	---	0.00	---	12.61	0.00	993.23
ES1-23R	989.94	7/27/2005	5.72	---	0.00	---	16.08	0.00	984.22
ES1-24	990.61	7/27/2005	12.43	---	0.00	---	12.47	0.00	978.18
GMA1-7	985.81	7/27/2005	12.05	---	0.00	---	14.85	0.00	973.76
GMA1-18	998.29	7/27/2005	8.51	---	0.00	---	13.56	0.00	989.78
South Caisson	1,001.11	7/7/2005	9.02	9.01	0.01	---	15.00	0.00	992.10
South Caisson	1,001.11	7/13/2005	8.86	8.85	0.01	---	15.00	0.00	992.26
South Caisson	1,001.11	7/20/2005	10.81	10.80	0.01	---	15.00	0.00	990.31
South Caisson	1,001.11	7/28/2005	13.20	13.19	0.01	---	15.00	0.00	987.92

Notes:

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

TABLE 21-10
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
July 2005

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
40R	July 2004	0		
	August 2004	0		
	September 2004	0		
	October 2004	0		0.30 - Power Outage
	November 2004	0		0.31 - Power Outage
	December 2004	0		
	January 2005	0		
	February 2005	0		
	March 2005	0		
	April 2005	0		1.72 - Power Outage
	May 2005	0		0.96 - Maintenance
	June 2005	0		0.36 - Power Outage
	July 2005	0		
64R	July 2004	380	693,900	
	August 2004	250	330,800	
	September 2004	350	675,600	
	October 2004	175	472,200	0.30 - Power Outage
	November 2004	150	566,100	0.31 - Power Outage
	December 2004	350	630,500	
	January 2005	575	357,900	
	February 2005	400	228,400	
	March 2005	175	292,400	
	April 2005	575	1,071,000	1.72 - Power Outage
	May 2005	550	931,300	0.96 - Maintenance
	June 2005	325	643,200	0.36 - Power Outage
	July 2005	225	260,800	
64S System	July 2004	154	349,705	
	August 2004	230	240,781	
	September 2004	479	681,275	
	October 2004	324	1,034,272	0.30 - Power Outage
	November 2004	625	902,053	0.31 - Power Outage
	December 2004	91	1,147,526	
	January 2005	75	844,225	
	February 2005	97	821,010	
	March 2005	282	905,525	
	April 2005	499	1,039,179	1.72 - Power Outage
	May 2005	300	660,761	0.96 - Maintenance
	June 2005	275	527,949	0.36 - Power Outage
	July 2005	10	330,937	
64V [1]	July 2004	773	940,100	
	August 2004	772	875,900	
	September 2004	1,170	1,385,900	
	October 2004	920	1,221,100	0.30 - Power Outage
	November 2004	551	1,108,200	0.31 - Power Outage
	December 2004	832	1,460,100	
	January 2005	747	1,103,300	
	February 2005	622	1,095,400	
	March 2005	675	1,342,900	
	April 2005	785	1,221,000	1.72 - Power Outage
	May 2005	254	996,400	0.96 - Maintenance
	June 2005	515	1,177,700	0.36 - Power Outage
	July 2005	465	922,700	

TABLE 21-10
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
July 2005

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
64X	July 2004	10	403,200	
	August 2004	31	388,800	
	September 2004	51	518,400	
	October 2004	5	403,200	0.30 - Power Outage
	November 2004	10	388,800	0.31 - Power Outage
	December 2004	10	518,400	
	January 2005	5	388,800	
	February 2005	5	403,200	
	March 2005	5	532,800	
	April 2005	0	417,600	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
RW-2(X)	July 2004	0	1,029,700	
	August 2004	0	1,020,000	
	September 2004	0	1,138,800	0.93
	October 2004	0	911,800	0.30 - Power Outage
	November 2004	0	836,300	0.31 - Power Outage
	December 2004	0	1,111,700	
	January 2005	0	822,500	
	February 2005	0	825,200	
	March 2005	0	1,019,600	
	April 2005	0	859,500	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	
RW-1(S) [2]	July 2004	196	669,474	
	August 2004	158	709,815	
	September 2004	159	914,647	9.72
	October 2004	1	1,092,740	0.30 - Power Outage
	November 2004	0	977,271	0.31 - Power Outage
	December 2004	11	1,362,634	0.35 - Maintenance
	January 2005	50	998,655	
	February 2005	41	934,203	
	March 2005	43	1,117,949	
	April 2005	1	864,198	22.41 - Maint. & Power Outage
	May 2005	0	912,416	0.96 - Maintenance
	June 2005	0	1,107,860	0.36 - Power Outage
	July 2005	17	813,490	
RW-1(X)	July 2004	0	363,900	
	August 2004	0	473,200	
	September 2004	10	500,500	
	October 2004	0	501,400	0.30 - Power Outage
	November 2004	0	402,900	0.31 - Power Outage
	December 2004	0	443,700	4.17 - Maintenance
	January 2005	0	389,000	
	February 2005	0	330,400	
	March 2005	0	399,300	
	April 2005	0	354,700	1.72 - Power Outage
	May 2005	0	233,700	0.96 - Maintenance
	June 2005	0	328,300	3.21 - Maint. & Power Outage
	July 2005	0	109,800	

TABLE 21-10
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
July 2005

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
RW-3(X)	July 2004	57		
	August 2004	47		
	September 2004	67		
	October 2004	52		0.30 - Power Outage
	November 2004	46		0.31 - Power Outage
	December 2004	66		
	January 2005	53		
	February 2005	37		
	March 2005	64		
	April 2005	53		1.72 - Power Outage
	May 2005	51		0.96 - Maintenance
	June 2005	62		0.36 - Power Outage
	July 2005	44		

Summary of Total Automated Removal	
Water:	**3,602,427 Gallons**
LNAPL:	**732 Gallons**
DNAPL:	**44 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 February 2005.

TABLE 21-11
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
July 2005

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	July 2005 Removal (liters)
14	7/26/2005	17.59	17.55	0.04	0.025	0.025
25R	7/26/2005	25.05	20.86	4.19	2.59	2.585
26RR	7/26/2005	23.51	22.60	0.91	0.56	0.561
48	7/26/2005	17.73	15.76	1.97	1.22	1.215
50	7/26/2005	11.40	10.57	0.83	0.51	0.512
55	7/26/2005	17.25	15.56	1.69	1.04	1.043
95-04	7/26/2005	16.70	14.40	2.30	0.36	0.357
95-07	7/26/2005	22.87	19.50	3.37	0.52	0.523
GMA1-15	7/26/2005	15.60	15.00	0.60	0.370	0.370
GMA1-17E	7/26/2005	16.95	15.70	1.25	0.77	0.771
GMA1-17W	7/26/2005	17.20	15.68	1.52	0.94	0.938
GMA1-19	7/7/2005	11.60	10.85	0.75	0.463	1.709
	7/12/2005	11.70	11.05	0.65	0.401	
	7/21/2005	11.62	11.00	0.62	0.383	
	7/26/2005	11.50	10.75	0.75	0.463	

Total LNAPL Removal East Street Area 2 - South for July 2005: 10.609 liters
2.799 gallons

Total LNAPL Removal East Street Area 2 - North for July 2005: 0.000 liters
0.000 gallons

Total LNAPL Removal 20s, 30s, & 40s Complexes for July 2005: 0.000 liters
0.000 gallons

Total LNAPL Removal for July 2005: 10.609 liters
2.799 gallons

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

TABLE 21-12
WELL MONITORING AND RECOVERY OF DNAPL
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	July 2005 Removal (liters)
E2SC-03I	7/13/2005	9.85	38.05	4.39	3.942	3.942
E2SC-17	7/13/2005	12.05	45.7	0.05	0.031	0.031

Total DNAPL Removal East Street Area 2 - South for July 2005: **3.973 liters**
1.048 gallons

Total DNAPL Removal East Street Area 2 - North for July 2005: **0.000 liters**
0.000 gallons

Total DNAPL Removal 20s, 30s, & 40s Complexes for July 2005: **0.000 liters**
0.000 gallons

Total DNAPL Removal for July 2005: **3.973 liters**
1.048 gallons

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

TABLE 21-13
64G TREATMENT PLANT DISCHARGE DATA
GROUNDWATER MANAGEMENT AREA 1

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

Date	Housatonic River Discharge (gallons)	Recharge Pond Discharge (gallons)	Total Discharge (gallons)
July 2004	4,585,370	316,805	4,902,175
August 2004	4,844,107	310,199	5,154,306
September 2004	5,075,190	248,505	5,323,695
October 2004	6,097,384	260,847	6,358,231
November 2004	5,521,300	180,462	5,701,762
December 2004	5,656,177	152,428	5,808,605
January 2005	5,650,380	112,791	5,763,171
February 2005	4,576,005	195,380	4,771,385
March 2005	5,005,313	235,153	5,240,466
April 2005	5,759,380	172,867	5,932,247
May 2005	4,962,650	288,751	5,251,401
June 2005	4,057,780	318,355	4,376,135
July 2005	3,212,250	389,015	3,601,265

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 21-14
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
July 2005

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
30s Complex									
95-15	986.38	7/14/2005	8.45	---	0.00	---	16.65	0.00	977.93
GMA1-10	984.86	7/14/2005	7.80	---	0.00	---	19.75	0.00	977.06
GMA1-12	992.26	7/14/2005	16.35	---	0.00	---	22.13	0.00	975.91
RF-02	982.43	7/14/2005	5.95	---	0.00	---	18.30	0.00	976.48
RF-03	985.40	7/14/2005	9.71	---	0.00	---	18.42	0.00	975.69
RF-03D	985.31	7/14/2005	7.85	---	0.00	---	36.00	0.00	977.46
RF-16	987.91	7/14/2005	9.64	---	0.00	---	20.70	0.00	978.27
40s Complex									
95-17	1,007.67	7/14/2005	24.15	---	0.00	---	28.35	0.00	983.52
RF-4	1,011.99	7/14/2005	15.40	---	0.00	---	23.98	0.00	996.59
East Street Area 2 - South									
13	990.88	7/26/2005	17.48	---	0.00	---	22.60	0.00	973.40
14	991.61	7/26/2005	17.59	17.55	0.04	---	25.73	0.00	974.06
19	983.59	7/7/2005	10.78	---	0.00	---	19.85	0.00	972.81
19	983.59	7/12/2005	11.02	---	0.00	---	19.93	0.00	972.57
19	983.59	7/21/2005	10.81	---	0.00	---	19.90	0.00	972.78
19	983.59	7/26/2005	10.60	---	0.00	---	19.95	0.00	972.99
25R	998.31	7/26/2005	25.05	20.86	4.19	---	30.8	0.00	977.16
26RR	1,000.58	7/26/2005	23.51	22.60	0.91	---	28.54	0.00	977.92
40R	991.60	7/7/2005	18.00	---	0.00	---	NM	0.00	973.60
40R	991.60	7/13/2005	16.51	---	0.00	---	NM	0.00	975.09
40R	991.60	7/20/2005	16.60	---	0.00	---	NM	0.00	975.00
40R	991.60	7/20/2005	16.60	---	0.00	---	NM	0.00	975.00
48	992.39	7/26/2005	17.73	15.76	1.97	---	22.7	0.00	976.49
49R	988.71	7/26/2005	15.58	---	0.00	---	24.89	0.00	973.13
49RR	989.80	7/26/2005	16.70	---	0.00	---	23.05	0.00	973.10
50	985.79	7/26/2005	11.40	10.57	0.83	---	23.45	0.00	975.16
53	986.90	7/26/2005	14.08	---	0.00	---	25.85	0.00	972.82
55	989.45	7/26/2005	17.25	15.56	1.69	---	30.05	0.00	973.77
64R	993.37	7/7/2005	16.81	16.74	0.07	---	19.00	0.00	976.63
64R	993.37	7/13/2005	17.00	16.97	0.03	---	19.00	0.00	976.40
64R	993.37	7/20/2005	17.09	17.08	0.01	---	19.00	0.00	976.29
64R	993.37	7/28/2005	16.75	16.74	0.01	---	19.00	0.00	976.63
64S	984.48	7/7/2005	19.87	P	< 0.01	---	28.70	0.00	964.61
64S	984.48	7/13/2005	20.15	---	0.00	---	28.70	0.00	964.33
64S	984.48	7/20/2005	20.40	---	0.00	---	28.70	0.00	964.08
64S	984.48	7/28/2005	20.25	---	0.00	---	28.70	0.00	964.23
64S Caisson	NA	7/7/2005	9.76	9.75	0.01	---	14.55	0.00	NA
64S Caisson	NA	7/13/2005	9.80	9.79	0.01	---	14.55	0.00	NA
64S Caisson	NA	7/20/2005	9.80	P	< 0.01	---	14.55	0.00	NA
64S Caisson	NA	7/28/2005	9.89	9.88	0.01	---	14.55	0.00	NA

TABLE 21-14
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
July 2005

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
64V	987.29	7/7/2005	21.60	21.40	0.20	---	29.60	0.00	965.88
64V	987.29	7/13/2005	21.80	21.40	0.40	P	29.60	< 0.01	965.86
64V	987.29	7/20/2005	22.00	21.50	0.50	P	29.60	< 0.01	965.76
64V	987.29	7/28/2005	21.80	21.50	0.30	P	29.60	< 0.01	965.77
64X(N)	984.83	7/7/2005	12.23	12.21	0.02	---	15.85	0.00	972.62
64X(N)	984.83	7/13/2005	12.41	12.40	0.01	---	15.85	0.00	972.43
64X(N)	984.83	7/20/2005	12.15	12.13	0.02	---	15.85	0.00	972.70
64X(N)	984.83	7/28/2005	12.15	12.14	0.01	---	15.85	0.00	972.69
64X(S)	981.56	7/7/2005	14.93	14.90	0.03	---	23.82	0.00	966.66
64X(S)	981.56	7/13/2005	15.10	15.07	0.03	---	23.82	0.00	966.49
64X(S)	981.56	7/20/2005	15.01	15.00	0.01	---	23.82	0.00	966.56
64X(S)	981.56	7/28/2005	14.90	14.88	0.02	---	23.82	0.00	966.68
64X(W)	984.87	7/7/2005	18.14	18.10	0.04	---	24.35	0.00	966.77
64X(W)	984.87	7/13/2005	12.30	12.26	0.04	---	24.35	0.00	972.61
64X(W)	984.87	7/20/2005	18.30	18.21	0.09	---	24.35	0.00	966.65
64X(W)	984.87	7/28/2005	18.10	18.08	0.02	---	24.35	0.00	966.79
95-01	983.77	7/26/2005	10.15	---	0.00	---	17.20	0.00	973.62
95-04	988.70	7/26/2005	16.70	14.40	2.30	---	21.70	0.00	974.14
95-07	994.91	7/26/2005	22.87	19.50	3.37	---	29.51	0.00	975.17
3-6C-EB-22	986.94	7/26/2005	13.55	---	0.00	---	20.01	0.00	973.39
E2SC-03I	982.12	7/13/2005	9.85	---	0.00	38.05	42.44	4.39	972.27
E2SC-17	985.38	7/13/2005	12.05	---	0.00	45.7	45.75	0.05	973.33
E2SC-23	992.07	7/26/2005	17.45	---	0.00	---	21.15	0.00	974.62
E2SC-24	987.90	7/26/2005	15.25	---	0.00	---	21.63	0.00	972.65
ES2-06	986.00	7/26/2005	12.50	---	0.00	---	34.30	0.00	973.50
GMA1-13	991.41	7/26/2005	18.25	---	0.00	---	27.16	0.00	973.16
GMA1-14	997.43	7/26/2005	19.70	---	0.00	---	23.48	0.00	977.73
GMA1-15	988.59	7/26/2005	15.60	15.00	0.60	---	17.84	0.00	973.55
GMA1-16	986.82	7/26/2005	13.38	13.22	0.16	---	20.00	0.00	973.59
GMA1-17E	993.03	7/26/2005	16.95	15.70	1.25	---	17.3	0.00	977.24
GMA1-17W	992.63	7/26/2005	17.20	15.68	1.52	---	23.25	0.00	976.84
GMA1-19	984.28	7/7/2005	11.60	10.85	0.75	---	17.14	0.00	973.38
GMA1-19	984.28	7/12/2005	11.70	11.05	0.65	---	17.13	0.00	973.18
GMA1-19	984.28	7/21/2005	11.62	11.00	0.62	---	17.14	0.00	973.24
GMA1-19	984.28	7/26/2005	11.50	10.75	0.75	---	17.13	0.00	973.48
GMA1-20	983.49	7/7/2005	10.35	---	0.00	---	17.30	0.00	973.14
GMA1-20	983.49	7/12/2005	10.66	---	0.00	---	17.30	0.00	972.83
GMA1-20	983.49	7/21/2005	10.50	---	0.00	---	17.30	0.00	972.99
GMA1-20	983.49	7/26/2005	10.30	---	0.00	---	17.30	0.00	973.19
GMA1-21	985.68	7/7/2005	12.50	---	0.00	---	19.53	0.00	973.18
GMA1-21	985.68	7/12/2005	12.80	---	0.00	---	19.53	0.00	972.88
GMA1-21	985.68	7/21/2005	12.71	---	0.00	---	19.54	0.00	972.97
GMA1-21	985.68	7/26/2005	12.40	---	0.00	---	19.54	0.00	973.28

TABLE 21-14
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
July 2005

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
HR-G1-MW-1	982.42	7/26/2005	9.90	---	0.00	---	20.32	0.00	972.52
HR-G1-MW-2	980.23	7/26/2005	7.42	---	0.00	---	28.48	0.00	972.81
HR-G1-MW-3	980.21	7/26/2005	7.75	---	0.00	---	17.84	0.00	972.46
HR-G2-MW-1	982.60	7/26/2005	10.21	---	0.00	---	18.24	0.00	972.39
HR-G2-MW-2	981.39	7/26/2005	8.50	---	0.00	---	17.68	0.00	972.89
HR-G2-MW-3	987.14	7/26/2005	14.15	---	0.00	---	22	0.00	972.99
HR-G2-RW-1	976.88	7/26/2005	5.42	---	0.00	---	18.68	0.00	972.83
HR-G3-MW-1	982.45	7/26/2005	14.30	---	0.00	---	17.72	0.00	968.15
HR-G3-MW-2	987.88	7/26/2005	14.95	---	0.00	---	17.72	0.00	972.93
HR-G3-RW-1	977.78	7/26/2005	4.78	---	0.00	---	8.55	0.00	973.00
HR-J1-MW-1	985.95	7/26/2005	14.60	---	0.00	---	25.91	0.00	971.35
HR-J1-MW-2	983.56	7/26/2005	10.34	---	0.00	---	17.67	0.00	973.22
HR-J1-MW-3	987.68	7/26/2005	14.60	---	0.00	---	26.5	0.00	973.08
HR-J1-RW-1	975.05	7/26/2005	2.40	---	0.00	---	14.92	0.00	972.65
RW-1(S)	987.23	7/7/2005	19.02	19.02	0.00	---	28.60	0.00	968.21
RW-1(S)	987.23	7/13/2005	19.00	P	< 0.01	---	28.60	0.00	968.23
RW-1(S)	987.23	7/20/2005	19.20	19.17	0.03	---	28.60	0.00	968.06
RW-1(S)	987.23	7/28/2005	19.90	19.80	0.10	---	28.60	0.00	967.42
RW-1(X)	982.68	7/7/2005	13.20	---	0.00	---	20.80	0.00	969.48
RW-1(X)	982.68	7/13/2005	11.90	---	0.00	---	20.80	0.00	970.78
RW-1(X)	982.68	7/20/2005	10.80	---	0.00	---	20.80	0.00	971.88
RW-1(X)	982.68	7/28/2005	14.11	---	0.00	---	20.80	0.00	968.57
RW-2(X)	985.96	7/7/2005	14.75	---	0.00	---	15.30	0.00	971.21
RW-2(X)	985.96	7/13/2005	15.12	---	0.00	---	15.30	0.00	970.84
RW-2(X)	985.96	7/20/2005	12.88	---	0.00	---	15.30	0.00	973.08
RW-2(X)	985.96	7/28/2005	14.58	---	0.00	---	15.30	0.00	971.38
RW-3(X)	980.28	7/7/2005	8.95	---	0.00	41.80	44.40	2.60	971.33
RW-3(X)	980.28	7/13/2005	9.10	---	0.00	41.70	44.40	2.70	971.18
RW-3(X)	980.28	7/20/2005	9.03	---	0.00	41.98	44.40	2.42	971.25
RW-3(X)	980.28	7/28/2005	8.88	---	0.00	41.70	44.40	2.70	971.40
TMP-1	992.74	7/26/2005	19.85	---	0.00	---	21.95	0.00	972.89
Housatonic River									
SG-HR-1	990.73	7/7/2005	19.20	See Note 7 regarding depth to water					971.53
SG-HR-1	990.73	7/12/2005	19.55	See Note 7 regarding depth to water					971.18
SG-HR-1	990.73	7/21/2005	18.09	See Note 7 regarding depth to water					972.64
SG-HR-1	990.73	7/28/2005	19.06	See Note 7 regarding depth to water					971.67

TABLE 21-14
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
July 2005

Notes:

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

TABLE 21-15
ACTIVE RECOVERY SYSTEMS MONTHLY SUMMARY
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

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

Month / Year	Volume Water Pumped (gallon)	RW-1 DNAPL Recovered (gallon)	RW-1R LNAPL Recovered (gallon)	RW-3 LNAPL Recovered (gallon)
July 2003	244,776	--	--	10
August 2003	290,984	--	--	10
September 2003	309,162	--	--	20
October 2003	485,653	--	--	20
November 2003	363,979	--	--	10
December 2003	490,517	--	--	--
January 2004	299,584	--	--	--
February 2004	305,485	--	--	--
March 2004	409,514	--	--	--
April 2004	344,707	--	--	1
May 2004	307,361	--	--	--
June 2004	410,230	--	--	--
July 2004	328,363	--	--	--
August 2004	310,473	--	--	--
September 2004	499,209	--	1	20
October 2004	426,078	--	--	--
November 2004	421,409	--	--	12
December 2004	539,528	--	--	10
January 2005	443,634	--	--	10
February 2005	409,113	--	--	5
March 2005	455,192	--	--	5
April 2005	425,145	--	--	5
May 2005	357,497	--	--	--
June 2005	422,006	--	--	10
July 2005	310,647	--	5	10

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 July 2005.

TABLE 21-16
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	July 2005 Removal (liters)
LS-31	7/21/2005	13.82	22.8	0.52	0.321	0.321
LS-34	7/21/2005	12.71	27.82	0.72	0.444	0.444
LS-38	7/21/2005	14.40	25.01	0.03	0.019	0.019
LSSC-07	7/7/2005	9.95	24.65	0.43	0.265	0.876
	7/12/2005	10.45	24.75	0.33	0.204	
	7/21/2005	9.90	24.75	0.33	0.204	
	7/28/2005	9.66	24.75	0.33	0.204	
LSSC-08I	7/7/2005	11.30	23.35	0.03	0.019	0.043
	7/12/2005	12.02	23.37	0.02	0.012	
	7/21/2005	11.00	23.36	0.02	0.012	

Total Manual DNAPL Removal for July 2005: 1.660 liters
0.438 gallons

Note:

1. ft BMP - feet Below Measuring Point.

TABLE 21-17
ROUTINE WELL MONITORING
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
E-07	982.87	7/21/2005	7.40	---	0.00	---	19.70	0.00	975.47
EPA-01	983.04	7/22/2005	11.25	---	0.00	---	22.65	0.00	971.79
LS-24	986.58	7/21/2005	13.48	---	0.00	---	15.10	0.00	973.10
LS-30	986.440	7/21/2005	13.85	---	0.000	21.85	22.22	0.37	972.59
LS-31	987.090	7/21/2005	13.82	---	0.000	22.8	23.32	0.52	973.27
LS-34	985.79	7/21/2005	12.71	---	0.00	27.82	28.54	0.72	973.08
LS-38	986.95	7/21/2005	14.40	---	0.00	25.01	25.04	0.03	972.55
LS-44	980.78	7/22/2005	8.84	---	0.00	---	24.75	0.00	971.94
LSSC-07	982.48	7/7/2005	9.95	---	0.00	24.65	25.08	0.43	972.53
LSSC-07	982.48	7/12/2005	10.45	---	0.00	24.75	25.08	0.33	972.03
LSSC-07	982.48	7/21/2005	9.90	---	0.00	24.75	25.08	0.33	972.58
LSSC-07	982.48	7/28/2005	9.66	---	0.00	24.75	25.08	0.33	972.82
LSSC-08I	983.13	7/7/2005	11.30	---	0.00	23.35	23.38	0.03	971.83
LSSC-08I	983.13	7/12/2005	12.02	---	0.00	23.37	23.39	0.02	971.11
LSSC-08I	983.13	7/21/2005	11.00	---	0.00	23.36	23.38	0.02	972.13
LSSC-08I	983.13	7/28/2005	10.90	---	0.00	---	23.38	0.00	972.23
LSSC-08S	983.11	7/22/2005	11.39	---	0.00	---	14.68	0.00	971.72
LSSC-16I	980.88	7/21/2005	7.95	---	0.00	---	28.54	0.00	972.93
LSSC-18	987.32	7/21/2005	14.05	---	0.00	---	18.58	0.00	973.27
LSSC-32	980.68	7/22/2005	8.50	---	0.00	---	35.23	0.00	972.18
LSSC-33	980.49	7/22/2005	8.25	---	0.00	---	29.74	0.00	972.24
LSSC-34I	984.74	7/21/2005	11.95	---	0.00	28.22	28.50	0.28	972.79
MW-4R	980.82	7/22/2005	8.65	---	0.00	---	14.05	0.00	972.17
MW-6R	985.14	7/21/2005	10.88	---	0.00	---	13.92	0.00	974.26
RW-1	984.88	7/7/2005	12.40	---	0.00	P	21.00	< 0.01	972.48
RW-1	984.88	7/13/2005	12.30	---	0.00	P	21.00	< 0.01	972.58
RW-1	984.88	7/20/2005	12.40	---	0.00	P	21.00	< 0.01	972.48
RW-1	984.88	7/28/2005	12.00	---	0.00	P	21.00	< 0.01	972.88
RW-1 (R)	985.07	7/7/2005	15.80	---	0.00	P	20.42	< 0.01	969.27
RW-1 (R)	985.07	7/13/2005	15.70	---	0.00	P	20.42	< 0.01	969.37
RW-1 (R)	985.07	7/20/2005	15.90	---	0.00	20.32	20.42	0.10	969.17
RW-1 (R)	985.07	7/28/2005	15.80	---	0.00	P	20.42	< 0.01	969.27
RW-2	987.82	7/7/2005	17.90	---	0.00	---	21.75	0.00	969.92
RW-2	987.82	7/13/2005	15.90	---	0.00	---	21.75	0.00	971.92
RW-2	987.82	7/20/2005	14.10	---	0.00	---	21.75	0.00	973.72
RW-2	987.82	7/28/2005	13.88	---	0.00	---	21.75	0.00	973.94
RW-3	984.08	7/7/2005	17.00	16.80	0.20	---	21.57	0.00	967.27
RW-3	984.08	7/13/2005	16.80	16.60	0.20	---	21.57	0.00	967.47
RW-3	984.08	7/20/2005	16.70	16.59	0.11	---	21.57	0.00	967.48
RW-3	984.08	7/28/2005	16.60	16.51	0.09	---	21.57	0.00	967.56
Housatonic River (Lyman Street Bridge)									
BM-2A	986.32	7/7/2005	14.90	See Note 0 regarding depth to water					971.42
BM-2A	986.32	7/12/2005	15.80	See Note 0 regarding depth to water					970.52
BM-2A	986.32	7/21/2005	13.31	See Note 0 regarding depth to water					973.01
BM-2A	986.32	7/28/2005	14.45	See Note 0 regarding depth to water					971.87

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
4. 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 21-18
ACTIVE DNAPL RECOVERY SYSTEMS MONTHLY SUMMARY
NEWELL STREET AREA II
GROUNDWATER MANAGEMENT AREA 1

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

Recovery System	Date	Total Gallons Recovered
System 1 [(1)]	July 2004	14.3
	August 2004	14.6
	September 2004	16.5
	October 2004	11.0
	November 2004	15.4
	December 2004	15.4
	January 2005 [(3)]	8.8
	February 2005	13.2
	March 2005	17.3
	April 2005	24.2
	May 2005	9.9
	June 2005	18.7
	July 2005[(4)]	14.3
System 2 [(2)]	July 2004	16.2
	August 2004	226.0
	September 2004	129.6
	October 2004	78.2
	November 2004	81.0
	December 2004	64.8
	January 2005 [(3)]	157.2
	February 2005	126.9
	March 2005	16.2
	April 2005	16.2
	May 2005	145.8
	June 2005	32.4
	July 2005[(4)]	48.6
Total Automated DNAPL Removal for July 2005:		**62.9 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 wate The volume reported for those two weeks is an estimated quantity that was included ir the total volume removed.
4. On July 25, 2005, both systems were shut down in connection with collection system upgrades and soil removal activities.

TABLE 21-19
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

CONSENT DECREE MONTHLY STATUS REPORT
GROUNDWATER MANAGEMENT AREA 1 - NEWELL STREET AREA II
MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL
July 2005

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	July 2005 Removal (liters)
NS-10	7/13/2005	10.18	9.77	0.41	1.013	1.013

Total LNAPL Removal for July 2005: 1.013 liters
0.267 gallons

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

TABLE 21-20
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

CONSENT DECREE MONTHLY STATUS REPORT
GROUNDWATER MANAGEMENT AREA 1 - NEWELL STREET AREA II
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL
July 2005

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	July 2005 Removal (liters)
MW-1D	7/13/2005	14.40	39.3	0.23	0.142	0.142
MW-1S	7/13/2005	13.81	24.75	0.52	0.321	0.321
N2SC-02	7/13/2005	13.33	40.41	0.01	0.006	0.006
N2SC-07	7/13/2005	12.72	38	0.16	0.099	0.099
N2SC-08	7/13/2005	12.65	41.2	1.38	0.851	0.851

Total DNAPL Removal for July 2005: 0.463 liters
0.122 gallons

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

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

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
MW-1D	987.20	7/13/2005	14.40	---	0.00	39.3	39.53	0.23	972.80
MW-1S	986.60	7/13/2005	13.81	---	0.00	24.75	25.27	0.52	972.79
N2SC-02	985.56	7/13/2005	13.33	---	0.00	40.41	40.42	0.01	972.23
N2SC-07	984.61	7/13/2005	12.72	---	0.00	38	38.16	0.16	971.89
N2SC-08	986.07	7/13/2005	12.65	---	0.00	41.2	42.58	1.38	973.42
NS-10	984.59	7/13/2005	10.18	9.77	0.41	---	19.20	0.00	974.79

Notes:

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

TABLE 21-22
ROUTINE WELL MONITORING
SILVER LAKE AREA
GROUNDWATER MANAGEMENT AREA 1

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
Monitoring Wells Adjacent to Silver Lake									
SLGW-01D	983.13	7/27/2005	5.05	---	0.00	---	36.96	0.00	978.08
SLGW-01S	982.94	7/27/2005	7.24	---	0.00	---	16.24	0.00	975.70
SLGW-02D	985.10	7/27/2005	9.80	---	0.00	---	36.85	0.00	975.30
SLGW-02S	985.39	7/27/2005	Dry	---	0.00	---	16.76	0.00	< 968.63
SLGW-03D	979.14	7/27/2005	1.85	---	0.00	---	32.07	0.00	977.29
SLGW-03S	980.21	7/27/2005	4.56	---	0.00	---	14.60	0.00	975.65
SLGW-04D	983.51	7/27/2005	6.70	---	0.00	---	37.1	0.00	976.81
SLGW-04S	984.02	7/27/2005	8.40	---	0.00	---	16.66	0.00	975.62
SLGW-05D	979.30	7/27/2005	3.60	---	0.00	---	34.9	0.00	975.70
SLGW-05S	979.12	7/27/2005	3.62	---	0.00	---	11.66	0.00	975.50
SLGW-06D	981.63	7/27/2005	6.08	---	0.00	---	34.98	0.00	975.55
SLGW-06S	981.66	7/27/2005	5.90	---	0.00	---	13.75	0.00	975.76
Staff Gauge within Silver Lake									
Silver Lake Gauge	NA	7/7/2005	4.55	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	7/12/2005	4.55	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	7/21/2005	4.51	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	7/28/2005	4.62	See Note 4 regarding depth to water					NA

Notes:

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

ITEM 22
GROUNDWATER MANAGEMENT AREAS
FORMER OXBOWS J & K (GMA 2)
(GECD320)
JULY 2005

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

a. Activities Undertaken/Completed

Conducted monthly river elevation monitoring.

b. Sampling/Test Results Received

See attached table.

c. Work Plans/Reports/Documents Submitted

None

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

- Conduct monthly river elevation monitoring.
- Conduct annual interim monitoring in October 2005.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 22-1
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 2

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
Housatonic River (Foot Bridge)									
GMA2-SG-1	989.82	7/28/2005	17.25	See Note 2 regarding depth to water					972.57

Notes:

1. ft BMP - feet Below Measuring Point.
2. 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)
JULY 2005

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

a. Activities Undertaken/Completed

- Conducted routine groundwater elevation monitoring and NAPL monitoring/removal activities, including summer 2005 quarterly monitoring round. Approximately 18.2 liters (4.8 gallons) of LNAPL were removed by the automatic skimmer located in well 51-21 and 10.3 additional liters (2.7 gallons) of LNAPL were manually removed from the wells in this area (see Table 23-1).

- Inspected manholes along Plastics Avenue for the presence of LNAPL (no signs of NAPL were observed).

- Continued work on preparation of spring 2005 monitoring report.

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.

- Continue preparation of spring 2005 monitoring report (due August 31, 2005).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 23-1
MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL
GROUNDWATER MANAGEMENT AREA 3

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

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	July 2005 Removal (liters)
51-08	7/7/2005	12.00	10.75	1.25	0.771	3.270
	7/12/2005	12.00	10.77	1.23	0.759	
	7/20/2005	12.35	10.95	1.40	0.864	
	7/28/2005	12.53	11.11	1.42	0.876	
51-16R	7/20/2005	10.60	10.30	0.30	0.185	0.185
51-19	7/20/2005	11.38	10.42	0.96	0.592	0.592
51-21	7/7/2005	15.33	P	< 0.01	4.548	18.192
	7/13/2005	15.30	P	< 0.01	3.411	
	7/20/2005	15.48	P	< 0.01	3.411	
	7/28/2005	15.65	15.63	0.02	6.822	
59-03R	7/20/2005	12.35	11.40	0.95	0.586	0.586
GMA3-10	7/7/2005	11.80	11.12	0.68	0.420	1.734
	7/12/2005	11.90	11.15	0.75	0.463	
	7/20/2005	11.90	11.28	0.62	0.383	
	7/28/2005	12.18	11.42	0.76	0.469	
GMA3-12	7/7/2005	11.90	11.46	0.44	1.088	3.782
	7/12/2005	11.86	11.50	0.36	0.890	
	7/20/2005	12.02	11.64	0.38	0.939	
	7/28/2005	12.15	11.80	0.35	0.865	
GMA3-13	7/7/2005	11.35	11.34	0.01	0.006	0.012
	7/12/2005	11.38	11.37	0.01	0.006	
UB-PZ-3	7/20/2005	12.42	12.06	0.36	0.125	0.125

Total Automated LNAPL Removal at well 51-21 for July 2005: 18.192 liters
4.80 Gallons

Total Manual LNAPL Removal at all other wells for July 2005: 10.286 liters
2.71 Gallons

Total LNAPL Removed for July 2005: 28.478 liters
7.51 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 23-2
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 3

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
002A	994.16	7/25/2005	8.70	---	0.00	---	55.15	0.00	985.46
006B-R	993.62	7/25/2005	7.45	---	0.00	---	14.73	0.00	986.17
016A	991.77	7/25/2005	7.68	---	0.00	---	50.98	0.00	984.09
016B-R	994.87	7/25/2005	9.43	---	0.00	---	16.38	0.00	985.44
016C-R	NA	7/25/2005	8.55	---	0.00	---	95.42	0.00	NA
039B-R	991.97	7/25/2005	6.75	---	0.00	---	13.82	0.00	985.22
039D	992.16	7/25/2005	Destroyed					0.00	NA
039E	992.21	7/25/2005	6.15	---	0.00	---	>151.00	0.00	986.06
043A	993.79	7/25/2005	6.02	---	0.00	---	51.50	0.00	987.77
043B	993.61	7/25/2005	6.10	---	0.00	---	21.43	0.00	987.51
050B	991.76	7/25/2005	3.80	---	0.00	---	15.02	0.00	987.96
054B-R	NA	7/25/2005	4.40	---	0.00	---	15.50	0.00	NA
078B-R	988.83	7/25/2005	1.35	---	0.00	---	11.74	0.00	987.48
082B-R	989.90	7/25/2005	6.25	---	0.00	---	11.78	0.00	983.65
089A	985.76	7/25/2005	3.20	---	0.00	---	47.40	0.00	982.56
089B	986.03	7/25/2005	3.55	---	0.00	---	8.85	0.00	982.48
089D-R	NA	7/25/2005	4.50	---	0.00	---	79.21	0.00	NA
090A	988.07	7/25/2005	6.10	---	0.00	---	51.65	0.00	981.97
090B	989.10	7/25/2005	7.85	---	0.00	---	12.84	0.00	981.25
095A	987.18	7/25/2005	6.80	---	0.00	---	51.05	0.00	980.38
095B-R	986.24	7/25/2005	6.01	---	0.00	---	13.51	0.00	980.23
111A-R	997.35	7/25/2005	13.98	---	0.00	---	52.05	0.00	983.37
111B-R	997.48	7/25/2005	14.50	---	0.00	---	19.75	0.00	982.98
114A	986.16	7/25/2005	6.32	---	0.00	---	52.30	0.00	979.84
114B-R	985.54	7/25/2005	6.20	---	0.00	---	15.35	0.00	979.34
51-05	996.44	7/20/2005	10.64	10.52	0.12	---	12.54	0.00	985.91
51-06	997.36	7/20/2005	10.96	---	0.00	---	14.63	0.00	986.40
51-07	997.08	7/20/2005	10.88	---	0.00	---	11.21	0.00	986.20
51-08	997.08	7/7/2005	12.00	10.75	1.25	---	14.66	0.00	986.24
51-08	997.08	7/12/2005	12.00	10.77	1.23	---	14.67	0.00	986.22
51-08	997.08	7/20/2005	12.35	10.95	1.40	---	14.66	0.00	986.03
51-08	997.08	7/28/2005	12.53	11.11	1.42	---	14.66	0.00	985.87
51-09	997.70	7/20/2005	10.83	---	0.00	---	11.59	0.00	986.87
51-11	994.37	7/25/2005	8.65	---	0.00	---	13.49	0.00	985.72
51-12	996.55	7/20/2005	7.40	---	0.00	---	13.30	0.00	989.15
51-13	997.42	7/25/2005	DRY	---	0.00	---	10.02	0.00	987.40
51-14	996.77	7/20/2005	10.90	---	0.00	---	14.98	0.00	985.87
51-15	996.43	7/20/2005	10.48	10.32	0.16	---	14.50	0.00	986.10
51-16R	996.39	7/20/2005	10.60	10.30	0.30	---	14.53	0.00	986.07
51-17	996.43	7/20/2005	Paved Over						NA
51-18	997.12	7/20/2005	11.03	---	0.00	---	12.58	0.00	986.09
51-19	996.43	7/20/2005	11.38	10.42	0.96	---	14.10	0.00	985.94
51-21	1001.49	7/7/2005	15.33	P	< 0.01	---	NM	0.00	986.16
51-21	1001.49	7/13/2005	15.30	P	< 0.01	---	NM	0.00	986.19
51-21	1001.49	7/20/2005	15.48	P	< 0.01	---	NM	0.00	986.01
51-21	1001.49	7/28/2005	15.65	15.63	0.02	---	NM	0.00	985.86

TABLE 23-2
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 3

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
59-01	997.52	7/25/2005	DRY	---	0.00	---	11.35	0.00	986.17
59-03R	997.64	7/20/2005	12.35	11.40	0.95	---	17.03	0.00	986.17
59-07	997.96	7/20/2005	11.78	---	0.00	---	23.55	0.00	986.18
GMA3-2	991.94	7/25/2005	7.95	---	0.00	---	14.92	0.00	983.99
GMA3-3	990.45	7/25/2005	2.30	---	0.00	---	12.21	0.00	988.15
GMA3-4	994.60	7/25/2005	7.35	---	0.00	---	13.18	0.00	987.25
GMA3-5	993.67	7/25/2005	9.65	---	0.00	---	15.41	0.00	984.02
GMA3-6	997.49	7/25/2005	Buried	---	0.00	---	17.98	0.00	NA
GMA3-7	1000.17	7/25/2005	14.15	---	0.00	---	19.89	0.00	986.02
GMA3-8	996.24	7/25/2005	10.70	---	0.00	---	15.65	0.00	985.54
GMA3-9	992.39	7/25/2005	5.45	---	0.00	---	12.65	0.00	986.94
GMA3-10	997.54	7/7/2005	11.80	11.12	0.68	---	18.00	0.00	986.37
GMA3-10	997.54	7/12/2005	11.90	11.15	0.75	---	18.00	0.00	986.34
GMA3-10	997.54	7/20/2005	11.90	11.28	0.62	---	18.00	0.00	986.22
GMA3-10	997.54	7/28/2005	12.18	11.42	0.76	---	18.00	0.00	986.07
GMA3-11	997.25	7/20/2005	10.85	---	0.00	---	18.40	0.00	986.40
GMA3-12	997.84	7/7/2005	11.90	11.46	0.44	---	21.24	0.00	986.35
GMA3-12	997.84	7/12/2005	11.86	11.50	0.36	---	21.25	0.00	986.31
GMA3-12	997.84	7/20/2005	12.02	11.64	0.38	---	21.24	0.00	986.17
GMA3-12	997.84	7/28/2005	12.15	11.80	0.35	---	21.24	0.00	986.02
GMA3-13	997.73	7/7/2005	11.35	11.34	0.01	---	17.82	0.00	986.39
GMA3-13	997.73	7/12/2005	11.38	11.37	0.01	---	17.80	0.00	986.36
GMA3-13	997.73	7/20/2005	11.48	---	0.00	---	17.83	0.00	986.25
GMA3-13	997.73	7/28/2005	11.81	---	0.00	---	17.82	0.00	985.92
GMA3-14	997.42	7/20/2005	11.05	---	0.00	---	17.04	0.00	986.37
OBG-2	992.20	7/25/2005	6.14	---	0.00	---	15.30	0.00	986.06
UB-MW-10	995.99	7/20/2005	9.30	---	0.00	---	15.30	0.00	986.69
UB-PZ-1	999.70	7/20/2005	Obstructed	---	0.00	---	12.85	0.00	NA
UB-PZ-2	994.77	7/25/2005	Destroyed	---	0.00	---	9.90	0.00	NA
UB-PZ-3	998.15	7/20/2005	12.42	12.06	0.36	---	13.41	0.00	986.06
Unkamet Brook Staff Gauges									
GMA3-SG-1	983.44	7/14/2005	Destroyed						NA
GMA3-SG-2	NA	7/14/2005	0.48	See Note 6 regarding depth to water					NA
GMA3-SG-3	985.53	7/14/2005	1.78	See Note 6 regarding depth to water					987.31
GMA3-SG-4	NA	7/14/2005	Not yet installed	See Note 6 regarding depth to water					NA

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. 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. Staff gauges were not available to take water level readings. New staff gauges to be installed.

ITEM 24
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 3 (GMA 4)
(GECD340)
JULY 2005

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

a. Activities Undertaken/Completed

- Conducted routine groundwater elevation monitoring at well GMA4-3.
- Continued work on preparation of spring 2005 monitoring report.

b. Sampling/Test Results Received

See attached table.

c. Work Plans/Reports/Documents Submitted

None

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

- Continue routine monitoring at well GMA4-3.
- Continue preparation of spring 2005 monitoring report (due August 31, 2005).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 24-1
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 4

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
GMA4-3	1,003.95	7/14/2005	17.61	---	0.00	---	26.24	0.00	986.34

Notes:

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

ITEM 25
GROUNDWATER MANAGEMENT AREAS
FORMER OXBOWS A & C (GMA 5)
(GECD350)
JULY 2005

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Conduct annual interim monitoring in October 2005.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

Attachment A

NPDES Sampling Records and Results
July 2005

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

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

NPDES PERMIT MONITORING
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
NPDES Sampling	001-A6575	7/4/05	Water	SGS	Oil & Grease	7/14/05
NPDES Sampling	001-A6577	7/4/05	Water	SGS	PCB	7/14/05
NPDES Sampling	001-A6582	7/5/05	Water	SGS	TSS	7/14/05
NPDES Sampling	005-A6570/A6571	6/28/05	Water	SGS	PCB	7/7/05
NPDES Sampling	005-A6583/A6584	7/5/05	Water	SGS	PCB, BOD, TSS	7/14/05
NPDES Sampling	005-A6607/A6608	7/11/05	Water	SGS	PCB	7/20/05
NPDES Sampling	005-A6638/A6639	7/19/05	Water	SGS	PCB	7/28/05
NPDES Sampling	005-A6646/A6647	7/26/05	Water	SGS	PCB	
NPDES Sampling	006-A6599	7/6/05	Water	SGS	Oil & Grease	7/18/05
NPDES Sampling	006-A6601	7/6/05	Water	SGS	PCB	7/18/05
NPDES Sampling	01A-A6627	7/15/05	Water	SGS	Oil & Grease	7/28/05
NPDES Sampling	01A-A6629	7/15/05	Water	SGS	PCB	7/28/05
NPDES Sampling	05A-A6593	7/6/05	Water	SGS	Oil & Grease	7/18/05
NPDES Sampling	05A-A6595	7/6/05	Water	SGS	PCB	7/18/05
NPDES Sampling	05B-A6596	7/6/05	Water	SGS	Oil & Grease	7/18/05
NPDES Sampling	05B-A6598	7/6/05	Water	SGS	PCB	7/18/05
NPDES Sampling	09B-A6572	6/28/05	Water	SGS	TSS, BOD	7/7/05
NPDES Sampling	09B-A6602	7/7/05	Water	SGS	TSS, BOD	7/18/05
NPDES Sampling	09B-A6603	7/10/05	Water	SGS	TSS	7/20/05
NPDES Sampling	09B-A6613	7/12/05	Water	SGS	BOD	7/19/05
NPDES Sampling	09B-A6635	7/18/05	Water	SGS	TSS, BOD	7/28/05
NPDES Sampling	09C-A6573	6/28/05	Water	SGS	Oil & Grease	7/7/05
NPDES Sampling	09C-A6590	7/6/05	Water	SGS	Oil & Grease	7/18/05
NPDES Sampling	09C-A6592	7/6/05	Water	SGS	PCB	7/18/05
NPDES Sampling	09C-A6619	7/14/05	Water	SGS	Oil & Grease	7/25/05
NPDES Sampling	09C-A6630	7/17/05	Water	SGS	Oil & Grease	7/28/05
NPDES Sampling	64G-A6567	6/27/05	Water	SGS	Oil & Grease	7/7/05
NPDES Sampling	64G-A6580	7/4/05	Water	SGS	Oil & Grease	7/14/05
NPDES Sampling	64G-A6585	7/5/05	Water	SGS	VOC	7/12/05
NPDES Sampling	64G-A6586	7/5/05	Water	SGS	SVOC	7/12/05
NPDES Sampling	64G-A6611	7/11/05	Water	SGS	Oil & Grease	7/20/05
NPDES Sampling	64G-A6634	7/18/05	Water	SGS	Oil & Grease	7/28/05
NPDES Sampling	64G-A6643	7/25/05	Water	SGS	Oil & Grease	
NPDES Sampling	64T-A6565	6/27/05	Water	SGS	Oil & Grease	7/7/05
NPDES Sampling	64T-A6578	7/4/05	Water	SGS	Oil & Grease	7/14/05

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

NPDES PERMIT MONITORING
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
NPDES Sampling	64T-A6609	7/11/05	Water	SGS	Oil & Grease	7/20/05
NPDES Sampling	64T-A6632	7/18/05	Water	SGS	Oil & Grease	7/28/05
NPDES Sampling	64T-A6641	7/25/05	Water	SGS	Oil & Grease	
NPDES Sampling	A6604R	7/11/05	Water	SGS	Acute Toxicity Test	7/29/05
NPDES Sampling	A6604R	7/11/05	Water	SGS	Chronic Toxicity Test	7/29/05
NPDES Sampling	A6604RCN	7/11/05	Water	SGS	CN	7/20/05
NPDES Sampling	A6604RTM	7/11/05	Water	SGS	Metals (10)	7/20/05
NPDES Sampling	A6605C	7/11/05	Water	SGS	Acute Toxicity Test	7/29/05
NPDES Sampling	A6605C	7/11/05	Water	SGS	Chronic Toxicity Test	7/29/05
NPDES Sampling	A6605CCN	7/11/05	Water	SGS	CN	7/20/05
NPDES Sampling	A6605CDM	7/11/05	Water	SGS	Filtered Metals (8)	7/20/05
NPDES Sampling	A6605CTM	7/11/05	Water	SGS	Metals (10)	7/20/05
NPDES Sampling	A6614R	7/13/05	Water	SGS	Chronic Toxicity Test	7/29/05
NPDES Sampling	A6614RCN	7/13/05	Water	SGS	CN	7/21/05
NPDES Sampling	A6614RTM	7/13/05	Water	SGS	Metals (10)	7/21/05
NPDES Sampling	A6615C	7/13/05	Water	SGS	Chronic Toxicity Test	7/29/05
NPDES Sampling	A6615CCN	7/13/05	Water	SGS	CN	7/21/05
NPDES Sampling	A6615CDM	7/13/05	Water	SGS	Filtered Metals (8)	7/21/05
NPDES Sampling	A6615CTM	7/13/05	Water	SGS	Metals (10)	7/21/05
NPDES Sampling	A6625R	7/15/05	Water	SGS	Chronic Toxicity Test	7/29/05
NPDES Sampling	A6625RCN	7/15/05	Water	SGS	CN	7/25/05
NPDES Sampling	A6625RTM	7/15/05	Water	SGS	Metals (10)	7/25/05
NPDES Sampling	A6626C	7/15/05	Water	SGS	Chronic Toxicity Test	7/29/05
NPDES Sampling	A6626CCN	7/15/05	Water	SGS	CN	7/25/05
NPDES Sampling	A6626CDM	7/15/05	Water	SGS	Filtered Metals (8)	7/25/05
NPDES Sampling	A6626CTM	7/15/05	Water	SGS	Metals (10)	7/25/05
NPDES Sampling	JUL05WK1	6/28/05	Water	SGS	Cu, Pb, Zn	7/7/05
NPDES Sampling	JUL05WK2	7/5/05	Water	SGS	Cu, Pb, Zn	7/14/05
NPDES Sampling	JUL05WK4	7/19/05	Water	SGS	Cu, Pb, Zn	7/28/05
NPDES Sampling	JUL05WK5	7/26/05	Water	SGS	Cu, Pb, Zn	

TABLE A-2
DATA RECEIVED DURING JULY 2005

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

Parameter / Sample ID: / Date Collected:	001-A6575 07/04/05	001-A6577 07/04/05	001-A6582 07/05/05	01A-A6627 07/15/05	01A-A6629 07/15/05	005-A6570/A6571 06/28/05	005-A6583/A6584 07/05/05	005-A6607/A6608 07/11/05
Volatile Organics								
None Detected	NA	NA	NA	NA	NA	NA	NA	NA
PCBs-Unfiltered								
Aroclor-1254	NA	0.000040 J	NA	NA	0.00076	ND(0.000065)	ND(0.000065)	ND(0.000065)
Aroclor-1260	NA	ND(0.000065)	NA	NA	0.00098	ND(0.000065)	ND(0.000065)	ND(0.000065)
Total PCBs	NA	0.000040 J	NA	NA	0.00174	ND(0.000065)	ND(0.000065)	ND(0.000065)
Semivolatile Organics								
None Detected	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals								
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	ND(2.0)	NA
Oil & Grease	2.4 B	NA	NA	ND(5.0)	NA	NA	NA	NA
Total Suspended Solids	NA	NA	5.00	NA	NA	NA	ND(5.00)	NA

TABLE A-2
DATA RECEIVED DURING JULY 2005

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

Parameter / Sample ID: / Date Collected:	005-A6638/A6639 07/19/05	05A-A6593 07/06/05	05A-A6595 07/06/05	05B-A6596 07/06/05	05B-A6598 07/06/05	006-A6599 07/06/05	006-A6601 07/06/05	09B-A6572 06/28/05	09B-A6602 07/07/05
Volatile Organics									
None Detected	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs-Unfiltered									
Aroclor-1254	0.000031 J	NA	0.0014	NA	0.0027	NA	0.00059	NA	NA
Aroclor-1260	ND(0.000065)	NA	0.0024	NA	0.0049	NA	0.00086	NA	NA
Total PCBs	0.000031 J	NA	0.0038	NA	0.0076	NA	0.00145	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	NA	NA	NA	NA	NA	ND(2.0)	ND(2.0)
Oil & Grease	NA	0.70 B	NA	ND(5.0)	NA	0.90 B	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	6.00	21.0

TABLE A-2
DATA RECEIVED DURING JULY 2005

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

Parameter / Sample ID: / Date Collected:	09B-A6603 07/10/05	09B-A6613 07/12/05	09B-A6635 07/18/05	09C-A6573 06/28/05	09C-A6590 07/06/05	09C-A6592 07/06/05	09C-A6619 07/14/05	09C-A6630 07/17/05	64G-A6567 06/27/05
Volatile Organics									
None Detected	NA	NA	NA	NA	NA	NA	NA	NA	NA
PCBs-Unfiltered									
Aroclor-1254	NA	NA	NA	NA	NA	ND(0.000065)	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	0.000043 J	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	0.000043 J	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	44	2.0	NA	NA	NA	NA	NA	NA
Oil & Grease	NA	NA	NA	ND(5.0)	ND(5.0)	NA	1.3 B	1.4 B	1.9 B
Total Suspended Solids	6.00	NA	7.00	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING JULY 2005

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

Parameter / Sample ID: / Date Collected:	64G-A6580 07/04/05	64G-A6585 07/05/05	64G-A6586 07/05/05	64G-A6611 07/11/05	64G-A6634 07/18/05	64T-A6565 06/27/05	64T-A6578 07/04/05	64T-A6609 07/11/05	64T-A6632 07/18/05
Volatile Organics									
None Detected	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
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
Oil & Grease	2.2 B	NA	NA	ND(5.0)	ND(5.0)	1.2 B	1.4 B	2.2 B	1.5 B
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING JULY 2005

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

Parameter / Sample ID: / Date Collected:	A6604RCN 07/11/05	A6604RTM 07/11/05	A6605CCN 07/11/05	A6605CDM 07/11/05	A6605CTM 07/11/05	A6614RCN 07/13/05	A6614RTM 07/13/05	A6615CCN 07/13/05	A6615CDM 07/13/05
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	ND(0.100)	NA	NA	ND(0.100)	NA	ND(0.100)	NA	NA
Cadmium	NA	0.000590 B	NA	NA	ND(0.00100)	NA	0.000610 B	NA	NA
Calcium	NA	19.0	NA	NA	73.0	NA	21.0	NA	NA
Chromium	NA	ND(0.00500)	NA	NA	ND(0.00500)	NA	0.00220 B	NA	NA
Copper	NA	ND(0.00500)	NA	NA	0.00420 B	NA	0.00360 B	NA	NA
Cyanide	ND(0.0200)	NA	0.0720	NA	NA	0.00630 B	NA	0.0640	NA
Lead	NA	ND(0.00500)	NA	NA	0.00400 B	NA	ND(0.00500)	NA	NA
Magnesium	NA	6.20	NA	NA	31.0	NA	6.70	NA	NA
Nickel	NA	0.00570	NA	NA	0.00430 B	NA	0.00290 B	NA	NA
Silver	NA	ND(0.00500)	NA	NA	ND(0.00500)	NA	0.00280 B	NA	NA
Zinc	NA	0.0100 B	NA	NA	0.0120 B	NA	0.00790 B	NA	NA
Inorganics-Filtered									
Aluminum	NA	NA	NA	ND(0.100)	NA	NA	NA	NA	ND(0.100)
Cadmium	NA	NA	NA	ND(0.00100)	NA	NA	NA	NA	0.000840 B
Chromium	NA	NA	NA	ND(0.00500)	NA	NA	NA	NA	0.00230 B
Copper	NA	NA	NA	0.00230 B	NA	NA	NA	NA	0.00400 B
Lead	NA	NA	NA	ND(0.00500)	NA	NA	NA	NA	ND(0.00500)
Nickel	NA	NA	NA	0.00520	NA	NA	NA	NA	0.00410 B
Silver	NA	NA	NA	ND(0.00500)	NA	NA	NA	NA	0.00290 B
Zinc	NA	NA	NA	0.0210	NA	NA	NA	NA	0.0380
Conventionals									
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING JULY 2005

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

Parameter / Sample ID: / Date Collected:	A6615CTM 07/13/05	A6625RCN 07/15/05	A6625RTM 07/15/05	A6626CCN 07/15/05	A6626CDM 07/15/05	A6626CTM 07/15/05	JUL05WK1 06/28/05	JUL05WK2 07/05/05	JUL05WK4 07/19/05
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	ND(0.100)	NA	ND(0.100)	NA	NA	0.110	NA	NA	NA
Cadmium	0.000670 B	NA	ND(0.00100)	NA	NA	ND(0.00100)	NA	NA	NA
Calcium	74.0	NA	26.0	NA	NA	58.0	NA	NA	NA
Chromium	0.00200 B	NA	ND(0.00500)	NA	NA	0.00110 B	NA	NA	NA
Copper	0.00580	NA	ND(0.00500)	NA	NA	0.0180	0.00500 B	0.00160 B	0.00860
Cyanide	NA	0.00150 B	NA	0.0420	NA	NA	NA	NA	NA
Lead	ND(0.00500)	NA	ND(0.00500)	NA	NA	0.00380 B	ND(0.00500)	ND(0.00500)	0.00210 B
Magnesium	31.0	NA	8.80	NA	NA	24.0	NA	NA	NA
Nickel	0.00240 B	NA	ND(0.00500)	NA	NA	ND(0.00500)	NA	NA	NA
Silver	0.00250 B	NA	ND(0.00500)	NA	NA	ND(0.00500)	NA	NA	NA
Zinc	0.00900 B	NA	0.00890 B	NA	NA	0.0270	0.0130 B	0.00790 B	0.0180 B
Inorganics-Filtered									
Aluminum	NA	NA	NA	NA	ND(0.100)	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	ND(0.00100)	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	ND(0.00500)	NA	NA	NA	NA
Copper	NA	NA	NA	NA	0.00900	NA	NA	NA	NA
Lead	NA	NA	NA	NA	ND(0.00500)	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	ND(0.00500)	NA	NA	NA	NA
Silver	NA	NA	NA	NA	ND(0.00500)	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	0.0250	NA	NA	NA	NA
Conventionals									
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

1. Samples were collected by General Electric Company and submitted to 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 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).

Inorganics and Conventional Parameters

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

Attachment B

NPDES Discharge Monitoring Reports
July 2005

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

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	005 1
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	06	01	TO	05	06	30

*** 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
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	90 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	*******	10.9	(26) LBS/DY	*******	*******	5.8	(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	0.0002	0.0009	(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	0.176	0.362	(03) MGD	*******	*******	*******		0	99/99	RC
	PERMIT REQUIREMENT	2.09 MO AVG	2.09 DAILY MX	MGD	*******	*******	*******	***** *****		CONTIN UOUS	RECORDE
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	M. T. Carroll	413 448-5902	2005	7	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) 064Q + 064T FOR FURTHER PARAMETERS.

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	064 G
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 05 MO 06 DAY 01 TO YEAR 05 MO 06 DAY 30

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

*** 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	*******	*******		7.3	*******	7.4	(12)	0	99/99	RCDR
00400 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*******	*******	*** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU SU		WEEKLY	GRAB-G
BASE NEUTRALS & ACID (METHOD 625), TOTAL	SAMPLE MEASUREMENT	*******	*******		*******	0	0	(19) -	0	01/90	GR
76030 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*******	*******	*** ****	*******	REPORT MO AVG	REPORT DAILY MX	MG/L MG/L		QTRLY	GRAB
VOLATILE COMPOUNDS, (GC/MS)	SAMPLE MEASUREMENT	*******	*******		*******	0.00601	0.00601	(19)	0	01/90	GR
78732 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*******	*******	*** ****	*******	REPORT MO AVG	REPORT DAILY MX	MG/L MG/L		QTRLY	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 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	413 448-5902 AREA CODE NUMBER	2005 7 21 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

MA0003891	064 T
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	06	01	TO	05	06	30

*** 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	*******	*******		6.9	*******	7.7	(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 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	2005	7	21
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

MA0003891	007 1
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	06	01	TO	05	06	30

*** 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			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******			(15)			
	PERMIT REQUIREMENT	******	******	**** ****	******	70 MO AVG	75 DAILY MX	DEG. F		ONCE/ MONTH	GRAB
PH 00400 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******			******		(12)			
	PERMIT REQUIREMENT	******	******	**** ****	6 0 MINIMUM	******	9 0 MAXIMUM	SU		WEEKLY	RANG-G
POLYCHLORINATED BIPHENYLS (PCBS) 39516 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******			(21)			
	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX	PPB		3TRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT			(03)	******	******	******				
	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 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	2005	7 21
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.

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

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

Form Approved.
OMB No. 2040-0004

MA0003891	009 1
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	06	01	TO	05	06	30

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

*** 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			
BOD, 5-DAY (20 DEG. C) 00310 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.3	1.2	(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	******	******		6.9	******	7.4	(12) SU	0	01/07	GR
	PERMIT REQUIREMENT	******	******	******	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	GRAB
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	2.7	9.4	(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	******	4.4	(26) LBS/DY	******	******	2.2	(19) MG/L	0	01/07	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	0	(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	0.047	0.504	(03) MGD	******	******	******		0	99/99	RC
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	******		CONTINUOUS	RECORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	M. T. Carroll	413 448-5902	2005	7	21
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 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 A
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	06	01	TO	05	06	30

*** NO DISCHARGE [X] ***
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	*******	*******	*******	**** ****		CONT INUOUS	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 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	2005	7 21
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 *(Include Facility Name/Location if Different)*
NAME GENERAL ELECTRIC CORPORATION
ADDRESS ATTN: JEFFREY G. RUEBESAM
100 WOODLAWN AVENUE
PITTSFIELD MA 01201
FACILITY GENERAL ELECTRIC COMPANY
LOCATION PITTSFIELD MA 01201
ATTN: MICHAEL T CARROLL, EHS&F

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

Form Approved.
OMB No. 2040-0004

MA0003891 — PERMIT NUMBER
009 B — DISCHARGE NUMBER

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

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	06	01	TO	05	06	30

*** 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			
BOD, 5-DAY (20 DEG. C) 00310 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.3	1.2	(26) LBS/DY	******	******	****** LBS/DY		0	01/07 WEEKLY	CP COMPOS
	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	******	******	******	******			
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	2.7	9.4	(26) LBS/DY	******	******	******	-	0	01/07 WEEKLY	CP COMPOS
	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/DY	******	******	******	******			
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.047	0.504	(03) MGD	******	******	******		0	99/99 CONTINUOUS	RC RECORDR
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	******			
	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 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	2005	7	21
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	05	06	01	TO	05	06	30

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	*******	0.1	(26) LBS/DY	*******	*******	*******		0	01/30	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	**** ****		ONCE/ MONTH	COMPOS
NICKEL TOTAL RECOVERABLE 01074 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	0	(26) LBS/DY	*******	*******	*******		0	01/30	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	**** ****		ONCE/ MONTH	COMPOS
SILVER TOTAL RECOVERABLE 01079 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	0	(26) LBS/DY	*******	*******	*******		0	01/30	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	**** ****		ONCE/ MONTH	COMPOS
ZINC TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	0.1	(26) LBS/DY	*******	*******	*******		0	01/07	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	**** ****		WEEKLY	COMPOS
ALUMINUM, TOTAL (AS AL) 01105 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	0	(26) LBS/DY	*******	*******	*******		0	01/30	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	**** ****		ONCE/ MONTH	COMPOS
CADMIUM TOTAL RECOVERABLE 01113 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	0	(26) LBS/DY	*******	*******	*******		0	01/30	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	**** ****		ONCE/ MONTH	COMPOS
LEAD TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	0.02	(26) LBS/DY	*******	*******	*******		0	01/07	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	**** ****		WEEKLY	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	M T. Carroll	413 448-5902	2005	7	21
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 A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 05 MO 06 DAY 01 TO YEAR 05 MO 06 DAY 30

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			
CHROMIUM TOTAL RECOVERABLE 01118 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	0.001	(26) LBS/DY	*******	*******	*******		0	01/30	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	**** ****		ONCE/ MONTH	COMPOS
COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	0.04	(26) LBS/DY	*******	*******	*******		0	01/07	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	**** ****		WEEKLY	COMPOS
CYANIDE, TOTAL RECOVERABLE 78248 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	0.08	(26) LBS/DY	*******	*******	*******		0	01/30	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	**** ****		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	M. T. Carroll	413	448-5902	2005	7	21
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)

MA0003891 PERMIT NUMBER | SUM B DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 05 MO 06 DAY 01 TO YEAR 05 MO 06 DAY 30

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

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

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
NOAEL STATRE 48HR AC U D. PULEX	SAMPLE MEASUREMENT	******	******		100	******	******	(23) %	0	01/30	CP
TDM3D 1 0 0 EFFLUENT GROSS VALUE	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
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 2005 MO 7 DAY 21

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.~~

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.
This is a 4-part form
PAGE OF 1
00231/050113-1254

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

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	06	30

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	*******	*******		7.6	*******	7.6	(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	*******	*******		*******	*******	3.2	(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	*******	*******		*******	*******	3.1	(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	*******	0.01	(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 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	2005	7	21
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'.

00283/050113-1254

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	005 A

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

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	06	30

*** 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	******	NODI [C]	(03)	******	******	******				
	PERMIT REQUIREMENT	******	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		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	M.T. Carroll	413	494-3500	2005	7	21
TYPED OR PRINTED			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'.

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.
This is a 4-part form.
00284/050113-1254

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 B
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	06	30

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	*******	*******		7.4	*******	7.4	(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
OIL & GREASE	SAMPLE MEASUREMENT	*******	*******		*******	*******	3.1	(20)	0	01/90	GR
00556 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*******	*******	***** *****	*******	*******	15 DAILY MX	PPM PPM		QTRLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	*******	*******		*******	*******	4.2	(21)	0	01/90	GR
39516 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*******	*******	***** *****	*******	*******	REPORT DAILY MX	PPB PPB		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	*******	1.571	(03) MGD	*******	*******	*******		0	01/90	ES
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		TELEPHONE	DATE
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	M. T. Carroll	413 494-3500	2005 7 21
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	006 1
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	06	30

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 00400 S 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*******	*******		7.3	*******	7.3	(12) SU	0	01/90	GR
	PERMIT REQUIREMENT	*******	*******	**** ****	6.0 MINIMUM	*******	9.0 MAXIMUM	SU		QTRLY	RANG-G
PH 00400 U 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*******	*******		NODI [C]	*******	NODI [C]	(12)			
	PERMIT REQUIREMENT	*******	*******	**** ****	6.0 MINIMUM	*******	9.0 MAXIMUM	SU		QTRLY	RANG-G
OIL & GREASE 00556 S 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*******	*******		*******	*******	3.5	(20) PPM	0	01/90	GR
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	*******	15 DAILY MX	PPM		QTRLY	GRAB
OIL & GREASE 00556 U 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*******	*******		*******	*******	NODI [C]	(20)			
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	*******	15 DAILY MX	PPM		QTRLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS) 39516 S 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*******	*******		*******	*******	0.17	(21) PPB	0	01/90	GR
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	*******	REPORT DAILY MX	PPB		QTRLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS) 39516 U 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*******	*******		*******	*******	NODI [C]	(21)			
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	*******	REPORT DAILY MX	PPB		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 S 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*******	0.007	(03) MGD	*******	*******	*******		0	01/90	ES
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	MGD	*******	*******	*******	**** ****		QTRLY	ESTIM

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	M. T. Carroll	413	494-3500	2005	7	21
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)*

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

Form Approved.
OMB No. 2040-0004

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

MA0003891	004 1
PERMIT NUMBER	DISCHARGE NUMBER

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

	MONITORING PERIOD					
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	06	30

*** 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	******	NODI C	(03)	******	******	******				
	PERMIT REQUIREMENT	******	REPORT DAILY MX	MGD	******	******	******	**** ****		QTRLY	ESTIMA
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
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	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	M.T. Carroll	413	494-3500	2005	7	21
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 — PERMIT NUMBER
006 A — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	06	30

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

*** 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	*******	*******		7.6	*******	7.6	(12)	0	01/90	GR
00400 S 0 0	PERMIT REQUIREMENT	*******	*******	*****	6.0 MINIMUM	*******	9.0 MAXIMUM	SU SU		QTRLY	RANG-G
SEE COMMENTS BELOW											
OIL & GREASE	SAMPLE MEASUREMENT	*******	*******		*******	*******	0	(20)	0	01/90	GR
00556 S 0 0	PERMIT REQUIREMENT	*******	*******	*****	*******	*******	15 DAILY MX	PPM PPM		QTRLY	GRAB
SEE COMMENTS BELOW											
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	*******	*******		*******	*******	0	(21)	0	01/90	GR
39516 S 0 0	PERMIT REQUIREMENT	*******	*******	*****	*******	*******	REPORT DAILY MX	PPB PPB		QTRLY	GRAB
SEE COMMENTS BELOW											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	*******	1.008	(03) MGD	*******	*******	*******		0	01/90	ES
50050 S 0 0	PERMIT REQUIREMENT	*******	REPORT DAILY MX	MGD	*******	*******	*******	***** *****		QTRLY	ESTIMA
SEE COMMENTS BELOW											
	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 2005 MO 7 DAY 21

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	009 D
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 05 MO 04 DAY 01 TO YEAR 05 MO 06 DAY 30

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

*** 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	ESTIMA
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	413 494-3500	2005 7 21
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	SRO 1
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	06	30

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		1TRLY	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 Mgr. Pittsfield Remediation Prog.	M. T. Carroll	413	448-5902	2005	7	21
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)*
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 2
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	06	30

*** 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		3TRLY	RANG-G
OIL & GREASE	SAMPLE MEASUREMENT	*******	*******		*******	*******		(20)			
00556 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*******	*******	**** ****	*******	*******	15 DAILY MX	PPM		3TRLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	*******	*******		*******	*******		(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	*******		(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		TELEPHONE	DATE
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	413 448-5902	2005 7 21
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 3
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 05 MO 04 DAY 01 TO YEAR 05 MO 06 DAY 30

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

*** NO DISCHARGE [X] ***

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	*******	*******			*******		(12)			
00400 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*******	*******	***** *****	6.0 MINIMUM	*******	9.0 MAXIMUM	SU		1TRLY	RANG
OIL & GREASE	SAMPLE MEASUREMENT	*******	*******		*******	*******		(20)			
00556 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*******	*******	***** *****	*******	*******	15 DAILY MX	PPM		1TRLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	*******	*******		*******	*******		(21)			
39516 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*******	*******	***** *****	*******	*******	REPORT DAILY MX	PPB		1TRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	*******		(03)	*******	*******	*******				
50050 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*******	REPORT DAILY MX	MGD	*******	*******	*******	***** *****		1TRLY	ESTIMA
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	413 448-5902	2005 7 21
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	SRD 4
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 05 MO 04 DAY 01 TO YEAR 05 MO 06 DAY 30

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	*******	*******			*******		(12)			
00400 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*******	*******	******	6.0 MINIMUM	*******	9.0 MAXIMUM	SU		3TRLY	GRAB
OIL & GREASE	SAMPLE MEASUREMENT	*******	*******		*******	*******		(20)			
00556 S 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*******	*******	******	*******	*******	15 DAILY MX	PPM		3TRLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	*******	*******		*******	*******		(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	*******		(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			TELEPHONE	DATE		
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	413 448-5902 AREA CODE NUMBER	2005 7 21 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 5
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	04	01	TO	05	06	30

*** 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	RANG-G
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	ESTIMA
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	413 448-5902	2005 7 21
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

Toxicity Evaluation of Wastewaters Discharged From the General Electric Plant; Pittsfield, Massachusetts [Samples Collected in July 2005]

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

Toxicity Evaluation of Wastewaters Discharged from The General Electric Plant Pittsfield, Massachusetts

Samples collected in July 2005

Submitted to:

General Electric
Area Environmental & Facility Programs
100 Woodlawn Avenue
Pittsfield, Massachusetts 01201

SGS Sample ID: TA5-G0-P178

Study Director: Ken Holliday

27 July 2005

SGS Environmental Services
1258 Greenbrier Street
Charleston, West Virginia 25311-1002
Tel: 304.346.0725 Fax: 304.346.0761
www.sgs.com

Signatures and Approval

Submitted by: SGS Environmental Services
1258 Greenbrier Street
Charleston, West Virginia 25311-1002

Tel: 304.346.0725
Fax: 304.346.0761
www.sgs.com

Ken Holliday — June 27, 2005
Ken Holliday — *Date*
Study Director
ken_holliday@sgs.com

Titshina L. Mims — June 27, 2005
Titshina L. Mims — *Date*
Technical Writer

Barbara Hensley — June 27, 2005
Barbara Hensley — *Date*
Project Manager
barbara_hensley@sgs.com

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: June 27, 2005
Date

Jeannie Latterner
Authorized signature

Jeannie Latterner
Name

QA/QC Manager
Title

SGS Environmental Services
Laboratory

Table of Contents

List of Tables

Summary

Static Acute Toxicity Test with *Daphnia pulex*

Sponsor:	General Electric
Protocol Title:	*Acute Aquatic Toxicity Testing*, SGS Document Control Number 7002, version 5.0
SGS Study Number:	TA5-G0-P178
Test Material:	Composite effluent from the General Electric Company located in Pittsfield, Massachusetts
GE Sample ID:	A6605C
Dilution Water:	Water from the Housatonic River (grab sample)
GE Sample ID:	A6604R
Dates Collected:	July 10, 2005 to July 11, 2005
Date Received:	July 12, 2005
Test Dates:	July 12, 2005 to July 14, 2005
Test Concentrations:	100% effluent 75% effluent 50% effluent 35% effluent 15% effluent 5% effluent dilution water control reference control secondary reference control (sodium thiosulfate)
Results:	The 48-hour LC50 value was determined to be >100% effluent. The No-Observed-Acute-Effect-Level (NOAEL) was observed to be 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 process wastewater and municipal sewage.

The purpose of the National Pollutant Discharge Elimination System (NPDES) Program is to protect human health and the environment. The Clean Water Act requires that all point sources discharging pollutants into waters of the United States must obtain an NPDES permit. By point sources, EPA means discrete conveyances such as pipes or man made ditches.

For many years, discharge limits were based on available technology for wastewater treatment. However, in 1984, the U.S. Environmental Protection Agency (EPA) released a national policy statement entitled "Policy for the Development of Water Quality-Based Permit Limitations for Toxic Pollutants" (U.S. EPA, 1984) which addresses the control of toxic pollutants beyond technology-based requirements in order to meet water quality standards. To implement the new policy, guidance was provided to the respective state and regional permit personnel in the EPA's "Technical Support Document for Water Quality-Based Toxics Control" (U.S. EPA, 1985; U.S. EPA, 1991). The EPA's policy statement and the support document recommended that, where appropriate, permit limits should be based on effluent toxicity as measured in aquatic toxicity tests.

1.2 Clean Water Act, 33 U.S.C. s/s 1251 et seq. (1977)

The Clean Water Act is a 1977 amendment to the Federal Water Pollution Control Act of 1972, which set the basic structure for regulating discharges of pollutants to waters of the United States. The law gave EPA the authority to set effluent standards on an industry basis (technology-based) and continued the requirements to set water quality standards for all contaminants in surface waters. The CWA makes it unlawful for any person to discharge any pollutant from a point source into navigable waters unless a permit (NPDES) is obtained under the Act. The 1977 amendments focused on toxic pollutants. In 1987, the CWA was reauthorized and again focused on toxic substances, authorized citizen suit provisions, and funded sewage treatment plants (POTWs) under the Construction Grants Program. The CWA provisions for the delegation by EPA of many permitting, administrative, and enforcement aspects of the law to state governments. In states with the authority to implement CWA programs, EPA still retains oversight responsibilities.

1.3 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, using *Daphnia pulex* under static conditions. Whereas *D. pulex* are not considered locally important, they are routinely used by regulatory agencies and contract laboratories nationwide for toxicity testing. A toxicity test was conducted from July 12, 2005 to July 14, 2005 at SGS Environmental Services, Charleston, West Virginia. All original raw data and the final report produced for this study are stored in SGS's archives at the above location.

2.0 Materials and Methods

2.1 Protocol

Procedures used in this acute toxicity test followed those described in the SGS Standard Operating Procedure (SOP) entitled *Acute Aquatic Toxicity Testing*, SGS document control number 7002, version 5.0. This SOP generally follows the standard methodology presented in *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms* (5th Edition EPA-821-R-02-012 U.S. EPA, Cincinnati, Ohio.) Additional SOPs used in this study are outlined below:

Title	Document Number	Version
Culture Waters for Aquatic Toxicity Testing	7005	4.0
Culture of *Daphnia*	7006	5.0
Reference Toxicant Testing	7008	5.0
Sample Handling for Aquatic Toxicity Testing	7009	4.0

Copies of these documents are included in the References section of this report.

2.2 Effluent Sample

The effluent sample (A6605C) was collected by GE personnel July 10, 2005 to July 11, 2005. Upon receipt at SGS on July 12, 2005, the sample temperature was 4.0° C. The effluent sample was characterized as having

Parameter	Result
Total Hardness	310
Alkalinity (as $CaCO_3$)	351
pH	7.34
Specific Conductance	1197
Dissolved Oxygen Concentration*	8.80

*Dissolved oxygen concentration was recorded after sample was aerated and warmed to approximately 20°C).

The effluent sample was observed to be clear and colorless.

2.3 Dilution Water

Dilution water consisted of receiving water collected from the Housatonic River. The receiving water (A6604R) was collected by General Electric personnel on July 11, 2005. Upon receipt at SGS on July 12, 2005, the sample temperature was 4.0°C. The dilution water was characterized as having

Parameter	Result
Total Hardness	110
Alkalinity (as $CaCO_3$)	82
pH	6.67
Specific Conductance	212
Dissolved Oxygen Concentration*	9.18

*Dissolved oxygen concentration was recorded after sample was aerated and warmed to approximately 20°C).

The dilution water sample was observed to be slightly cloudy with a straw color.

2.4 Reference Control Water

Water used in the reference control vessels was deionized (DI) water adjusted to the appropriate hardness (moderately hard reconstituted water) by the addition of reagent grade chemicals (U.S. EPA, 1993). Characterization of this water resulted in:

Parameter	Result
Total Hardness	100
Alkalinity (as $CaCO_3$)	67
pH	7.04
Specific Conductance	314
Dissolved Oxygen	8.74

2.5 Test Organisms

Daphnids (*Daphnia pulex*), less than 24-hours old, were obtained from SGS laboratory cultures maintained in Charleston. The culture system consisted of twenty-four (24) 100 ml disposable plastic beakers each containing 80 ml of culture medium and one (1) daphnid. The culture medium was deionized (DI) water for which the hardness was raised by addition of reagent grade chemicals (U.S. EPA, 1993). Prior to use, the culture water was characterized:

Parameter	Result
Total Hardness	within range of 80-110 mg/L
Alkalinity (as $CaCO_3$)	within range of 60-70 mg/L
pH	within range of 7.0 to 7.2

The culture area was maintained at a temperature of 20°C (± 1°C) with a regulated photoperiod of 16 hours of light and 8 hours of darkness.

Daphnid cultures were fed a combination of green algae (*Selanastrum capricorium*), approximately 4.0×10^7 cells/ml) and YCT (yeast, cereal leaves and trout chow). Approximately 1.0 ml of algae and 0.5 ml of YCT was added to each culture vessel daily. Three times per week, daphnids are transferred to fresh culture media.

Approximately twenty-four hours before test initiation, all immature daphnids were removed from the culture flasks. Offspring produced during the period were used in the toxicity test.

2.6 Test Procedures

A subsample of the effluent and the dilution water (approximately 2250 ml) was analyzed by SGS for total phosphorus, chloride, total suspended solids, and total solids. The 48-hour toxicity test was conducted at 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 250 ml. Test solutions were then divided into replicate (5 replicates per concentration) 30 ml medicine cups, each containing 20 ml of test solution. One set of five control beakers (containing Housatonic River water) and one set of five reference control beakers (containing moderately hard reconstituted water) were established and maintained under the same conditions as the exposure concentrations. A secondary set of five reference control beakers (containing sodium thiosulfate) was also maintained. Test solutions were placed in an incubator to maintain solution temperature of 20°C (± 1°C). Light was provided on a 16-hour light and 8-hour dark photoperiod. Florescent bulbs provided an illumination of 90 to 100 foot-candles in the test area.

Prior to test initiation, daphnids less than 24-hours old were culled individually with a plastic pipette and placed into a 1000 ml holding beaker containing approximately 500 ml of reference water. The test was initiated when daphnids were individually transferred from the holding beaker to the test solutions (4 daphnids per replicate). The daphnids were fed prior to test initiation but were not fed during the exposure period.

2.7 Test Monitoring

The number of mortalities and observations in each replicate vessel were recorded at 24 and 48 hours of exposure and observed mortalities were removed from the test solutions. Biological observations and observations from the physical characteristics of each replicate test solution and control were also made and recorded at 0, 24 and 48 hours. Dissolved oxygen concentrations pH and temperature were measured at test initiation and at 24-hour intervals thereafter, in one replicate vessel (a) for each test concentration in which there were surviving organisms.

Total hardness concentrations were measured by the EDTA titrimetric method and total alkalinity concentrations were determined by potentiometric titration to an endpoint of pH 4.5 (APHA, 1989). Total residual chorine was measured by Hach test. Concentrations of ammonia were determined using a Buchi model 212 distillation unit and titrated automatically with a Brinkman titroprocessor. Specific conductivity was measured with a Cole Palmer Model 71250 salinity-conductivity-temperature meter and probe; pH was measured with a Fisher Scientific Accumet 910 pH meter and combination electrode; dissolved oxygen concentration was measured with an YSI Model 59 dissolved oxygen meter. Daily temperature measurements were performed with a Princo mercury thermometer and a Fisher minimum-maximum thermometer. Light intensity was measured with a General Electric type 217 light meter.

2.8 Reference Toxicity Test

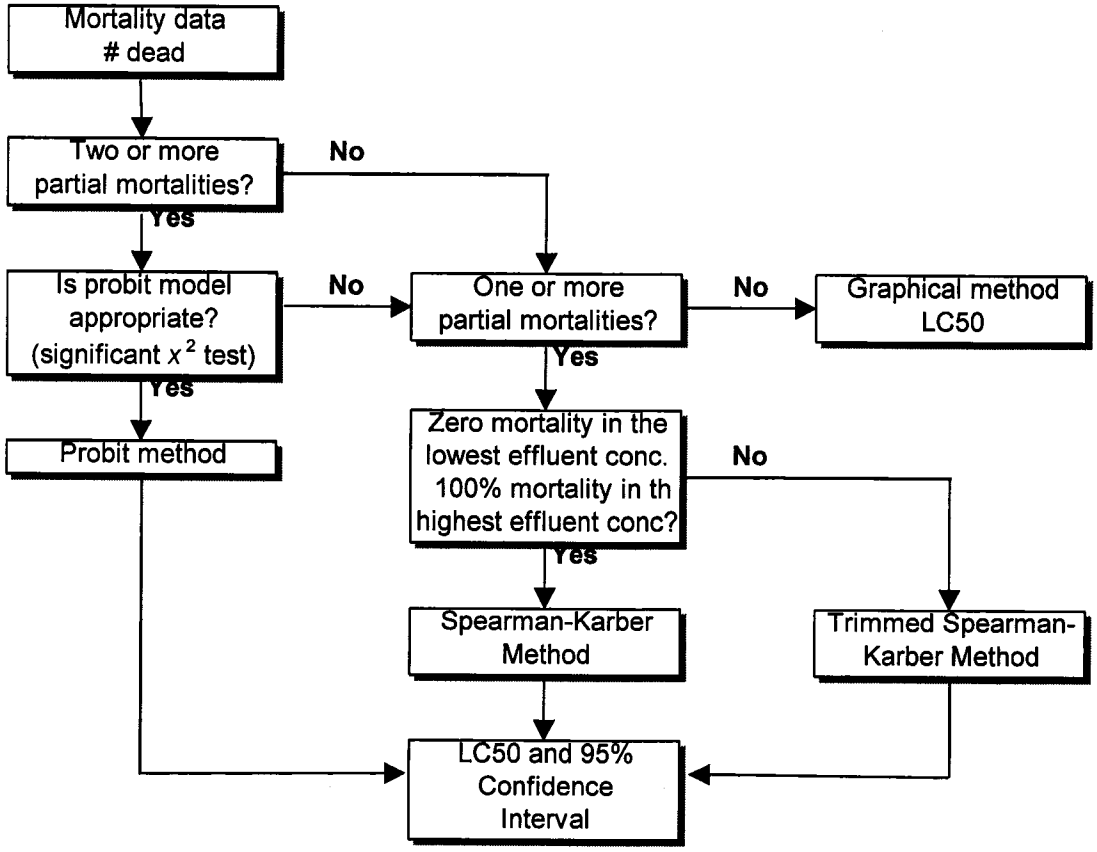
A 48-hour reference toxicity test exposing *Daphnia pulex* to sodium chloride (NaCl) was conducted from July 12, 2005 to July 14, 2005. The reference test was conducted to establish the health of the test organisms. The reference toxicity test included five NaCl concentrations and a dilution water control (moderately hard reconstituted water). The nominal NaCl concentrations for the test with *Daphnia pulex* ranged from 625 to 10,000 mg of NaCl/L. Test methods were the same as those described above for the effluent test.

3.0 Statistics

The concentration-response relationships observed were characterized by the median lethal concentrations (LC50), which is the concentration that is calculated to be lethal to 50 percent of the organisms within the test period. If no concentration caused mortality of 50%, then the LC50 value was determined to be greater than the highest concentration tested and no statistical analysis were performed. If at least one concentration caused mortality of greater than 50% of the test population, then a computer program (TOXSTAT 3.5) was used to calculate the LC50 value. Three statistical methods were available in the computer program: probit analysis, the Trimmed Spearman-Karber, and the Spearman-Karber methods. The graphical method is available if appropriate. Generally, to choose the best estimate of the LC50 value for a particular data set, the U.S. EPA flow chart on page 15 was followed.

The No-Observable-Acute-Effect-Level (NOAEL) was estimated for the acute toxicity test, and is defined as the highest concentration of effluent that produced $\geq$ 90% survival.

Flowchart 1. Determination of the LC50 from a Multi-Effluent-Concentration Acute Toxicity Test



Flowchart for determination of the LC50 for multi-effluent-concentration acute toxicity tests.

4.0 Results

4.1 Effluent Toxicity Test

The methods and detection limits of chemical analyses performed on the composite effluent sample and dilution water are summarized in Table 1. Results of the characterization and analysis of the effluent and the dilution water are presented in Table 2. Water quality parameters measured during the toxicity test are presented in Table 3. Daily and continuous monitoring of the test solutions established the temperature ranged from 19°C to 21°C throughout the exposure period. The effluent concentration was tested (expressed as %) and the corresponding percent mortalities recorded during the 48-hour toxicity test are presented in Table 4. Significant toxicity was not demonstrated in this examination. Based on the results of this study, the 48-hour LC_{50} value was >100% effluent. The NOAEL value for this study was determined to be 100% effluent.

4.2 Reference Toxicity Test

SGS uses sodium chloride (NaCl) as a reference toxicant. The reference test was conducted from July 12, 2005 to July 14, 2005, and the resulting 48-hour LC50 was estimated by Trimmed Spearman-Karber Method to be 2253 mg NaCl/L (95% confidence intervals of 1881 to 2698 mg NaCl/L).

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. 1984. Development of water Quality-Based Permit Limitations for Toxic Pollutants. Federal Register 49(48): 90160-90190.

U.S. Environmental Protection Agency. 1985. Technical Support Document for Water Quality-Based Toxics Control. Office of Water, Washington, DC.

U.S. Environmental Protection Agency. 1991. Technical Support Document for Water Quality-Based Toxics Control. Office of Water, Washington, DC.

U.S. Environmental Protection Agency. 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. Methods and detection limits of chemical analyses of the General Electric Pittsfield Plant effluent and the dilution water (Housatonic River).

Parameters	Method	Detection Limits
Ammonia Nitrogen as N	EPA 350.2	1.0 mg/L
Chloride	EPA 325.2	1.0 mg/L
Total Organic Carbon	EPA 415.1	1.0 mg/L
Total Solids	EPA 160.3	10.0 mg/L
Phosphorus, Total as P	Standard Methods 4500-P	0.020 mg/L
Total Residual Chlorine	Standard Methods 4500-Cl G	0.01 mg/L
Total Suspended Solids	EPA 160.2	5.0 mg/L

Table 2. Results of the characterization and analyses of the General Electric Pittsfield Plant effluent and the dilution water (Housatonic River).

Parameter	Effluent (A6605C)	Housatonic River (A6604R)
Temperature	19.6°C	19.6°C
pH	7.34	6.67
Alkalinity (as $CaCO_3$)	351 mg/L	82 mg/L
Hardness (as $CaCO_3$)	310 mg/L	110 mg/L
Dissolved Oxygen	8.80 mg/L	9.18 mg/L
Specific Conductivity	1197 μmhos/cm	212 μmhos/cm
Salinity	N/A	N/A
Total Residual Chlorine	ND	ND
Ammonia as N (0-Hour)	ND	ND
Total Phosphorus as P	ND	ND
Chloride	140 mg/L	46 mg/L
Total Suspended Solids	5.0 mg/L	6.0 mg/L
Total Solids	620 mg/L	130 mg/L
Total Organic Carbon	2.0 mg/L	4.2 mg/L

Dissolved oxygen concentrations recorded after samples were aerated and warmed to approximately 20°C.
N/A = not applicable ND = non detectable

Table 3. The water quality measurements recorded during the 48-hour static toxicity test exposing *Daphnia pulex* to General Electric Pittsfield Plant effluent.

Matrix ↓	pH			Dissolved Oxygen (mg/L)			Temperature (°C)		
	0	24	48	0	24	48	0	24	48
Reference Control	7.04	7.09	7.14	8.74	8.67	8.61	19.6	20.2	20.6
Secondary Ref Control	7.09	7.15	7.19	8.79	8.58	8.52	19.6	20.2	20.6
Dilution Water Control	6.67	6.72	6.80	9.18	8.84	8.77	19.6	20.2	20.6
5% Effluent	6.75	6.79	6.84	9.10	8.91	8.83	19.6	20.2	20.6
15% Effluent	6.81	6.89	6.93	9.10	8.95	8.87	19.6	20.2	20.6
35% Effluent	7.08	7.17	7.20	9.01	8.90	8.86	19.6	20.2	20.6
50% Effluent	7.17	7.24	7.29	8.93	8.81	8.70	19.6	20.2	20.6
75% Effluent	7.26	7.36	7.32	8.87	8.74	8.67	19.6	20.2	20.6
100% Effluent	7.34	7.32	7.36	8.80	8.67	8.58	19.6	20.2	20.6

Dissolved oxygen, pH and temperature were measured in one replicate test chamber (A) for each concentration and controls.
The appearance of the effluent was clear, with some sediment.

Reference Control = moderately hard synthetic water
Secondary Control = moderately hard synthetic water and 0.1 N sodium thiosulfate ($Na_2S_2O_3$)
Dilution Water Control = receiving water collected from the Housatonic River

Table 4. Cumulative percent mortalities recorded during the 48-hour static toxicity test exposing *Daphnia pulex* to General Electric Pittsfield Plant effluent.

Test Matrix ↓	Cumulative Percent Mortality (%)											
	24-Hour						48-Hour					
	A	B	C	D	E	Mean	A	B	C	D	E	Mean
Reference Control	0	0	0	0	0	0	0	0	0	0	0	0
Secondary Ref Control	0	0	0	0	0	0	0	0	0	0	0	0
Dilution Water Control	0	0	0	0	0	0	0	0	0	0	0	0
5% Effluent	0	0	0	0	0	0	0	0	0	0	0	0
15% Effluent	0	0	0	0	0	0	0	0	0	0	0	0
35% Effluent	0	0	0	0	0	0	0	0	0	0	0	0
50% Effluent	0	0	0	0	0	0	0	0	0	0	0	0
75% Effluent	0	0	0	0	0	0	0	0	0	0	0	0
100% Effluent	0	0	0	0	0	0	0	0	0	0	0	0

Reference Control = moderately hard synthetic water
$Na_2S_2O_3$ Control = moderately hard synthetic water and sodium thiosulfate (0.1 N)
Dilution Water Control = receiving water collected from the Housatonic River

Appendix I

References

SGS Environmental Services Inc.
Standard Operating Procedure

023

Document Title:	**Acute Aquatic Toxicity Testing**
Method Reference:	**SGS/USEPA**
Document File Name:	**7002-05.DOC**
Revision Number:	**5.0**
Effective Date:	**May 17, 2005**
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Document Control Number: **7002.05**

Approved by: _____ Supervisor — Date: 5-17-5

Approved by: _____ QA/QC Officer — Date: 5-17-05

1.0 SUMMARY

A 24-, 48-, or 96-hour test to determine the toxicity to freshwater aquatic animals of effluents.

2.0 REFERENCES

2.1 Weber, Cornelius I., *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms.*, Fifth Edition. EPA-821-R-02-012. U.S.EPA, Cincinnati, Ohio.

2.2 *Reporting and Testing Guidance for Biomonitoring Required by the Ohio Environmental Protection Agency*, October, 1991.

2.3 *Toxics Management Program's Guidance for Conduction and Reporting the Results of Toxicity Tests in Fulfillment of VPDES Permit Requirements*, Revised July 1992.

3.0 SCREENING

3.1 Test Duration

24 Hours, 48 Hours or 96 Hours.

3.2 Test Preparation

3.2.1 Measure the pH, D.O. and total residual chlorine of the 100% effluent and the control water. If the effluent pH falls outside of the range of 6.0-9.0, two parallel tests are set up in which one effluent is adjusted and the other is not. The pH is adjusted to 7.0 using additions of 1N NaOH and HCl, (other pH adjustment endpoints may be utilized depending on local requirements). The measured amount of acid or base is recorded on the bench sheet. If the D.O. is below 40% saturation or above 100% saturation, the effluent is aerated prior to test initiation. If the total chlorine is above 0.1 mg/L, two parallel tests are set up in which one effluent is dechlorinated and the other

is not (Dechlorination may be prohibited; permit is checked to determine if dechlorination is allowed). The effluent is dechlorinated by the addition of anhydrous sodium thiosulfate. The measured amount is recorded on the bench sheet. Care is taken to add the least amount of sodium thiosulfate needed to decrease the TRC level below 0.10 mg/L. Typically, adjustment of effluent is unnecessary.

3.2.2 Twenty organisms per concentration are used in acute screening tests.

3.2.3 This is a static, non-renewal test, using *Ceriodaphnia dubia, Daphnia pulex, Daphnia magna*, or *Pimephales promelas* (Fathead minnow).

3.2.4 Water quality (D.O., pH, conductivity, hardness, alkalinity and TRC), is measured at the time of test initiation. At test termination, temperature, D.O. conductivity and pH are measured. The final mortality and percent effected counts are recorded. Temperature is maintained at 25°± 1°C for *Daphnia*, and 20° ± 1°C for fathead minnows. Facilities exist to perform both fish and *Daphnia* tests at either temperature.

3.3 Test Results

No statistical analysis is performed on screening data.

4.0 DEFINITIVE TEST

4.1 *Pimephales promelas* (Fathead Minnows)

4.1.1 Test Duration

48-Hours or 96-Hours

4.1.2 Static non-renewal

4.1.3 Test Preparation

4.1.3.1 This test is comprised of a control and an effluent dilution series usually consisting of 100%, 50%, 25%, 12.5% and 6.25% (unless otherwise indicated).

4.1.3.2 The sample is brought up to test temperature in a room temperature water bath. Chemical parameters are checked and recorded. If the pH, D.O. or chlorine fall outside the acceptable

testing range, the effluent may be adjusted (see screening; Test Preparation).

4.1.3.3 The dilutions are prepared in calibrated graduated cylinders using moderately hard synthetic water as dilution water. Other dilution water may be used if specified.

4.1.3.4 Approximately 400 ml of test solution is placed in each of two 800 ml disposable plastic beakers.

4.1.4 Loading

Ten (10) organisms are placed in each beaker. SGSuses fish which are less than 14 days old and are hatched within the same 24 hour period. A loading limit of 0.8 g/l is observed. Fish are loaded by first transferring them to a shallow dish where they are easily transferred into the test solutions with wide-bore pipettes.

4.1.5 Test Temperature

20° C (± 1)

4.1.6 Daily Procedures

4.1.6.1 At the end of each 24 hours, the pH, D.O. and temperatures are checked and recorded. At this time mortalities are also recorded.

4.1.6.2 If a 96 hour static acute test is required, the test solution may be renewed at 48 hours. Renewal is accomplished by siphoning old test solution and debris and replacing with fresh solution of the appropriate concentration.

4.1.6.3 At the end of 48 hours or 96 hours the final mortalities and percent affected are recorded along with the final water qualities (D.O., pH, conductivity).

4.1.7 Feeding

Organisms are allowed to feed only prior to test initiation, and prior to renewal at 48 hours in a 96 hour test.

4.2 *Ceriodaphnia dubia, Daphnia magna,* and *Daphnia pulex*

4.2.1 Test Duration

48-Hours

4.2.2 Static Non-renewal

4.2.3 Test Preparation

4.2.3.1 This test is comprised of a control and a dilution series consisting of 100%, 50%, 25%, 12.5% and 6.25% of the effluent (unless otherwise indicated).

4.2.3.2 The sample is brought up to test temperature in a room temperature waterbath. Chemical parameters are checked and recorded. If the pH, D.O. or chlorine fall outside the acceptable testing range, the effluent may be adjusted (see screening; Test Preparation).

4.2.3.3 The dilutions are prepared in beakers using moderately hard synthetic water (see Section II; Dilution Waters and Culture Media), unless other dilution water is specified. At least 25 ml. of each dilution are placed in five 30 ml. testing vessels.

4.2.4 Loading

4.2.4.1 Four organisms are placed in each vessel. The *Daphnids* are loaded with a disposable polyethylene transfer pipette and are gently released below the surface of the water to avoid the risk of injury.

4.2.5 Test Temperature

The test is conducted in a constant temperature incubator at 25° ±1° C(To satisfy local requirements tests may be conducted at other temperatures).

4.2.6 Daily Procedure

4.2.6.1 At 24 and 48 hours the mortalities and number adversely effected are noted.

4.2.6.2 Due to the fragile structure of *Daphnia* organisms, dissolved oxygen, hardness alkalinity, specific conductance and pH readings are not taken after the organisms have been added to the sample. These analyses could cause injury to the *Daphnia* organisms.

4.2.7 Photoperiod

16 hours light, 8 hours dark.

4.2.8 Feeding

Organisms are allowed to feed prior to test initiation; they are not fed for the duration of the test.

5.0 TEST DATA

5.1 *Pimephales promelas*, *Ceriodaphnia dubia*, *Daphnia magna* and *Daphnia pulex*

5.1.1 Mortality and adverse effects are used as the endpoints for a definitive test.

5.1.2 Chemical parameters checked before test initiation, at 24 hours, 48 hours, 72 hours and 96 hours.

5.1.3 Mortalities recorded at 24 hours, 48 hours, 72 hours and 96 hours.

5.1.4 Any atypical behavior or complications are recorded.

6.0 DATA ANALYSIS

6.1 Introduction

Data from acute effluent toxicity tests are used to estimate the **LC50** and **EC50**. The **LC50** is a point estimate of the effluent concentration that is expected to cause lethality to 50% of the test organisms. The **EC50** is a point estimate of the effluent concentration that is expected to cause and adverse effects to 50% of the test organisms.

6.2 Methods for Estimating the LC50 & EC50

6.2.1 The flow chart (Figure 6) on page 73 of the manual, *Methods for Measuring the Acute Toxicity of Effluents and Receiving Water to Freshwater and Marine Organisms* (Fifth Edition), EPA-821-R-02-012, Appendix A is observed for determination of the LC50 for multi-concentration acute toxicity tests.

6.2.2 Several statistics packages, including Toxstat® 3.4, are available for data analysis.

7.0 REPORT PREPARATION

7.1 SGS Acute Toxicity Test Reports Typically Contain the Following Information:

7.1.1 Test background information - Includes client, NPDES or state permit number, sampling point reference number, date collected and received, collector's name, type and date of test, dilution water used, test results, and chain of custody forms.

7.1.2 Results - **LC50** & **EC50** values and analysis method used; Any comments concerning the test results.

7.1.3 Initial Characterization of the Effluent Sample - Raw Data Sheets: Includes dissolved oxygen (DO), pH, specific conductivity, hardness, alkalinity and a description of the sample source.

7.1.4 Reference Toxicity Data

SGS Environmental Services Inc.
Standard Operating Procedure

Document Title:	**Culture Waters for Aquatic Toxicity Testing**
Method Reference:	**SGS/USEPA**
Document File Name:	**7005-04.DOC**
Revision Number:	**4.0**
Effective Date:	**October 20, 1998**
Review Date:	**May 17, 2005**

Document Control Number: 7005.04

Approved by: _____ Supervisor — Date: 5-17-5

Approved by: _____ QA/QC Officer — Date: 5-17-05

1.0 Summary

This document describes the preparation of various waters used for the culture of aquatic organisms.

2.0 Moderately-Hard Synthetic Water

2.1 Place 19 liter of de-ionized, or equivalent, water in a properly cleaned and labeled plastic carboy.

2.2 Add 1.20 g of $MgSO_4$, 1.92 g $NaHCO_3$ and 0.08g KCl to the carboy.

2.3 Aerate overnight.

2.4 Add 1.20 g of $CaSO_4 2H_2O$ to 1 liter of de-ionized or equivalent water in a separate flask. Stir on magnetic stirrer until calcium sulfate is dissolved and add to the 19 liter above and mix well.

2.5 Aerate vigorously for 24 hours to stabilize the medium.

3.0 Hard Synthetic Water

3.1 Place 9 liter of de-ionized, or equivalent, water in a properly cleaned and labeled plastic carboy.

3.2 Add 1.20 g of $MgSO_4$, 1.92 g $NaHCO_3$ and 0.08g KCl to the carboy.

3.3 Aerate overnight.

3.4 Add 1.20 g of $CaSO_4 2H_2O$ to 1 liter of de-ionized, or equivalent water in a separate flask. Stir on magnetic stirrer until calcium sulfate is dissolved and add to the 9 liter above and mix well.

3.5 Aerate vigorously for 24 hours to stabilize the medium.

4.0 Synthetic Water Solutions

4.1 KCL Stock Solution

4.1.1 Place 8 g of crystalline, reagent grade KCL in a 1 liter volumetric flask.
4.1.2 Bring the volume to one liter with distilled water.
4.1.3 Aerate vigorously for several hours before using.
4.1.4 Store in a 1 liter polyethylene bottle.

4.2 $MgSO_4$ Stock Solution

4.2.1 Place 120 g of regent water, anhydrous $MgSO_4$ powder in a 1 liter volumetric flask.
4.2.2 Bring the volume to one liter with distilled water.
4.2.3 Aerate vigorously for several hours before using.
4.2.4 Store in a 1 liter polyethylene bottle.

4.3 $NaHCO_3$ Stock Solution

4.3.1 Place 96 g of reagent grade $NaHCO_3$ powder in a 1 liter volumetric flask.
4.3.2 Bring the volume to 1 liter with distilled water
4.3.3 Aerate vigorously for several hours before using.
4.3.4 Store in a 1 liter polyethylene bottle.

5.0 Activated Carbon Treated Tap Water Diluent

5.1 Fill a 5-gallon carboy with water from the treatment system using the attached hose. Water should be allowed to flow slowly through the hose into the sink for 2-3 minutes before filling the carboy. Flow rate to fill the carboy should be slow.

5.2 One or two long airstones are placed in the filled carboy. Water is aerated vigorously for 48-hours.

5.3 Total residual chlorine must be checked on water from newly filled carboys before using.

5.4 Alkalinity, hardness and pH are checked on samples from dechlorinated water carboys according to the Laboratory Procedure Checklist.

5.5 Log information on the Dechlorinated Tap Water and Cechlorimeter log sheet including the carboy number and date filled.

6.0 Synthetic Sea Water Preparation

6.1 Fill a clean carboy with dechlorinated water to approximately the 25-gallon mark.

6.2 The newly filled carboy should be checked for the presence of chlorine and the results recorded on the saltwater carboy log sheet. If chlorine is present, two 4-inch airstones (adjusted to a moderately heavy air flow) should be introduced and the water aerated until a level of <0.01 mg/L is reached.

6.3 A sufficient amount of synthetic salt is added to the carboy to obtain the required salinity (usually 20 ppt).

6.4 All information should be logged on the Saltwater Carboy log sheet.

SGS Environmental Services Inc.
Standard Operating Procedure

032

Document Title:	**Culture of *Daphnia***
Method Reference:	**SGS/USEPA**
Document File Name:	**7006-05.DOC**
Revision Number:	**5.0**
Effective Date:	**March 12, 2001**
Review Date:	**May 17, 2005**

UNCONTROLLED COPY

Document Control Number: 7006

Approved by: _____ Supervisor — 5-17-5 Date

Approved by: _____ QA/QC Officer — 5.17.05 Date

1.0 Summary

This document describes the procedure for the culture of *Ceriodaphnia dubia, Daphnia pulex, Daphnia magna* that are used in aquatic toxicity testing.

2.0 Mass Stock Cultures of *Ceriodaphnia dubia, Daphnia pulex,* and *Daphnia magna*

2.1 Stock cultures are maintained in 1000 ml beakers/jars with 900 mls of culture media at 20 ± 1° C. These cultures are maintained only as a back-up source of organisms.

2.2 Culture media for *Ceriodaphnia dubia* and *Daphnia pulex* is moderately-hard synthetic water. Culture media for *Daphnia magna* is hard synthetic water (see document control number 7005.04, "Culture Waters for Aquatic Toxicity Testing").

2.3 Many cultures are maintained simultaneously with an informal rotation cycle. New cultures are started with young produced by individual cultures. These cultures are maintained for approximately 3 weeks after which they are discarded.

2.4 Cultures are fed YCT (yeast, cerophyll, digested trout chow/flake food) and algae (*Selanastrum capricorium*) on Monday, Wednesday and Friday. Feeding, as well as culture rotation, temperature and all other relevant data is recorded by species in a log book.

2.5 Stock cultures are also fed algae and YCT. These feedings are recorded in the log book.

3.0 Individual Cultures of *Ceriodaphnia dubia, Daphnia pulex, Daphnia magna*

3.1 Cultures of *Daphnia magna* and *Daphnia pulex* are maintained in 100 ml plastic beakers. Twenty-four (24) beakers with one organism each are kept at all times to ensure continuous availability of neonates for testing. Cultures of individual *Ceriodaphnia dubia* are maintained in 30 ml sterile plastic medicine cups. One to two cultures of approximately 100 organisms each are kept at all times.

3.2 Cultures are renewed three times per week. Organisms are fed daily.

4.0 Obtaining Neonates for Testing

4.1 Cultures of *Ceriodaphnia* are started by placing one neonate into a 30 ml disposable plastic cup containing approximately 20 ml of Moderately Hard Synthetic Water. New *Ceriodaphnia* cultures are started every ten to fourteen days. *D. magna* and *D. pulex* are replaced whenever mortality occurs.

4.2 The individual cultures are transferred to fresh media three times per week. Synthetic water, algae and YCT are mixed prior to pouring into culture vessel to ensure uniformity of media. The old media and neonates are kept for stock cultures for several weeks and then discarded.

4.3 To assure neonates for chronic tests are of a very similar age, transfer of individual brood stock to fresh media should be made the morning of the test. The cultures are then checked approximately every two hours to find an adequate number of neonates all released with an 8 hour period. For acute tests, individuals are either transferred less than 24 hours before a test or the young are separated from adults less than 24 hours before a test.

4.4 Young used in chronic testing are obtained from adults who have produced at least three broods, with no less than 8 neonates in their third or subsequent brood. Neonates are then distributed in a "blocking" procedure, i.e., neonates from the same organism are placed in one replication of each concentration.

5.0 *DAPHNIA* Food

5.1 Digested Flake Food

5.1.1 Add 5g flake food to 1 L deionized water. Mix well in a blender and place in a 2 L separatory funnel. To digest, aerate this mixture at room temperature for one week.

5.1.2 At end of the digestion period, remove aeration and allow to settle.

5.1.3 Drain sediment. Place supernatant in a beaker and allow to settle in refrigerator overnight.

5.1.4 Filter through fine mesh.

5.2 Cerophyll®

5.2.1 Add 5g Cerophyll® to 1 L deionized water. Mix in a blender on high speed for 5 minutes.

5.2.2 Remove from blender and allow to settle in refrigerator overnight.

5.2.3 Retain supernatant for combined YCT food.

5.3 Yeast

5.3.1 Add 5g dry yeast to 1 L deionized water. Mix in a blender at low speed.

5.3.2 Do not allow mixture to settle.

5.4 Combined YCT Food

5.4.1 Mix equal parts of each of the above preparations in large clean beakers.

5.4.2 Pour well mixed YCT into small screw cap bottles. Freeze until needed.

SGS Environmental Services Inc.
Standard Operating Procedure

035

Document Title:	**Reference Toxicant Testing**
Method Reference:	**SGS/USEPA**
Document File Name:	**7008-05.DOC**
Revision Number:	**5.0**
Effective Date:	**July 31, 2001**
Review Date	**May 17, 2005**

Document Control Number: 7008

Approved by: _____ Supervisor _____ 5-17-5 Date

Approved by: _____ QA/QC Manager _____ 5-17-05 Date

1.0 Summary

To insure that healthy organisms are used in testing, SGS performs monthly QA/QC tests on all in-house cultured organisms. SGS uses sodium chloride as a reference toxicant.

2.0 Apparatus

2.1 Disposible plastic beakers

2.2 Disposible plastic medicine cups

2.3 Pipettes

2.4 pH meter

2.5 Dissolved oxygen (DO) meter

3.0 Reagents

3.1 Moderately hard synthetic water (refer to document control number 7005, *Culture Waters for Aquatic Toxicity Testing*)

3.2 Sodium Chloride (NaCl), reagent grade, Baker

4.0 Method

4.1 *Pimephales promelas* (fathead minnows)

4.1.1 48-hour static acute toxicity tests are run at 20°C (±1°C) using fish that are from 1 to 14 days old.

4.1.2 This test consists of a control and a dilution series of 10g/L, 9g/L, 8g/L, 7g/L, and 6g/L, of sodium chloride. Other dilution series may be used.

4.1.3 The dilutions are prepared in 800 ml disposable plastic beakers using moderately hard synthetic water. 500 mls of test solution is placed in each of two replications. Water quality values are measured and recorded at this time.

4.1.4 Ten organisms are placed in each replicate. Fish are loaded by first siphoning them into a shallow pan from which they are transferred to the beakers with a large bore pipette.

4.1.5 The test is terminated at 48 hours. At this time, mortalities are recorded along with final water quality data.

4.2 Daphnids *(Ceriodaphnia dubia, Daphnia magna, Daphnia pulex)*

4.2.1 48-hour static acute tests are performed at 25°C (±1°C) using organisms less than 24 hours old.

4.2.2 These tests consist of a control and a five dilution series. The concentration of the reference toxicant is varied depending on species.

4.2.2.1 *Ceriodaphnia dubia, Daphnia pulex:*

dilutions of 3.0 g/L, 2.5 g/L, 2.0 g/L, 1.5 g/L, 1.0 g/L

4.2.2.2 *Daphnia magna:*

dilutions of 5.0 g/L, 4.0 g/L, 3.0 g/L, 2.0 g/L, 1.0 g/L

4.2.3 Dilutions are prepared using moderately hard synthetic water. 20 mls of each dilution are placed in each of 5 plastic medicine cups.

4.2.4 Four organisms are placed in each test vessel. The *Daphnids* are loaded with a disposable plastic pipette. Organisms are gently released below the surface of the water to minimize risk of injury.

4.2.5 The test is terminated at 48 hours. At this time, mortalities are recorded along with final water quality data.

5.0 Data Analysis

5.1 Toxicity tests are conducted on a monthly basis.

5.2 The median lethal concentration (LC_{50}) is calculated according to EPA protocols.

5.3 Results from these tests are incorporated into Q-sum charts. These records are kept in monthly files.

6.0 Definitions

6.1 Median lethal concentrations (LC_{50}) -- the concentration that is calculated to be lethal to 50 percent of the organisms within the test period.

SGS Environmental Services Inc.
Standard Operating Procedure

038

Document Title:	**Sample Handling for Aquatic Toxicity Testing**
Method Reference:	**SGS/USEPA**
Document File Name:	**7009-04.DOC**
Revision Number:	**4.0**
Effective Date:	**October 20, 1998**
Review Date:	**May 17, 2005**

Document Control Number: 7009.04

Approved by: _____ Supervisor — 5-12-5 Date

Approved by: _____ QA/QC Officer — 5-17-05 Date

1.0 Summary

This document describes the manner in which sample waters (effluents, wastewaters, etc.) are handled from point of collection to testing.

2.0 Sample Handling

2.1 Sampling Personnel

SGS's sampling personnel are trained and experienced in the techniques for collecting samples according to NPDES permit requirements. This includes the use of automatic sampling equipment and the measurement of various field parameters.

2.2 Sample Containers

Sample containers used by SGS are disposable plastic cubitainers®.

2.3 Sample Collection Points

For NPDES permit required tests, the sample will be collected at the point specified in the discharge permit unless otherwise directed by the regulatory agency.

2.4 Sample Shipment

Samples are placed on ice (sufficient to maintain 0-4°C) in a cooler and are transported as quickly as possible to the laboratory.

2.5 Laboratory Handling of Samples

Upon delivery to the laboratory, the effluent samples are inspected, given a sample control number and stored at 4° C until used for testing.

2.6 Sample Holding Time

Samples will be tested within 24 hours upon receipt in the laboratory. The maximum lapsed time for collection of a grab or composite sample and the initiation of test, or for test solution renewal, will not exceed 36-hours for Chronic and Acute Testing.

3.0 LABORATORY ENVIRONMENT

3.1 Laboratory Arrangement

The aquatic toxicity testing laboratory is divided into two separate areas: (1) the culturing laboratory and (2) the testing laboratory. See attached diagram for details of laboratory layout.

3.2 Temperature

The aquatic toxicity testing laboratory air temperature is maintained at 20 ± 1° C throughout the year by a central heating and cooling system which is regulated by thermostats. Temperatures are continuously recorded by thermographs.

3.3 Water

Several waters are available for use in the laboratory. SGS has access to municipally supplied water, well water and reagent water from which synthetic water is prepared. Waters used for culturing and testing are analyzed semiannually for priority pollutants and other contaminants. A detailed report is available.

3.4 Lighting

Ambient laboratory lighting is regulated with a 16 hour day/8 hour night photoperiod controlled by an electronic timing system in the culturing and testing areas.

4.0 LABORATORY EQUIPMENT

4.1 General

Instruments used for the measurement of physical and chemical parameters are calibrated prior to use in testing. Any instrument that exceeds the calibration limits is taken out of service and corrective action is taken.

4.2 Balances

Analytical balances are calibrated against standard weights prior to use. All calibration results and adjustments are recorded in bound books.

4.3 Water Quality Meters

Meters are calibrated prior to use using known standards and the manufacturer's instructions. Records of calibration are kept in logbooks. Detailed procedures for the operation of these meters are found in SOP's for each specific instrument.

4.4 Reagents

All reagents are stored in a separate area. Expired reagents and chemicals are discarded.

4.5 Test Containers

All test containers are either clean reusable glassware or new, disposable plastic beakers.

5.0 EQUIPMENT CLEANING PROCEDURES

5.1 Equipment used in culturing or testing is washed in the following manner:

5.1.1 Soak 15 minutes and scrub with detergent in tap water.
5.1.2 Rinse three times with tap water.
5.1.3 Rinse once with 20% nitric acid.
5.1.4 Rinse twice with deionized water.
5.1.5 Rinse once with full-strength, pesticide-grade acetone.
5.1.6 Rinse well with deionized water.
5.1.7 Invert and air dry.
5.1.8 All equipment and test chambers are rinsed with deionized water immediately prior to use for each test.

Appendix II
Chain of Custody

Chain of Custody Record

General Electric Co.

100 Woodlawn Ave. Pittsfield, MA 01201

1A5-GO-P178-1/2

Chain of Custody #: OBG071105-01

Dry **Weather Acute Aquatic Toxicity for** July 2005 Split Sample ADTOX/Chron. TOX#1

Project # NPDES PERMIT	Analytical Lab: CT&E Environmental Services Inc.			Sampled By: (Print) Mark Wasnewsky		
Sample #	Date	Time	Containers	Parameters to be Analyzed	Preservative	Remarks
1 A6605C	7/10 to 7/11/05	1100 AM	1 Gallon plastic	Definitive Test(LC50 and NOAEL), Static acute toxicity, 48 hr w/ Daphnia pulex	Chilled	(See below)
MW ~~A6605C~~	~~7/10~~ to ~~7/11/05~~	~~1100~~	1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
MW ~~A6605C~~	~~7/10~~ to ~~7/11/05~~	~~1100~~	500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	
2 A6604R	7/11/05	900 AM	1 Gallon plastic	Housatonic River water dilution water for definitive test	Chilled	
			1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
			500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	

Relinquished By: Mark Wasnewsky	**Date/Time** 7-11-05	**Received By:**	**Date/Time** 7-11-05 1400
Relinquished By:	**Date/Time** 7-11-05 1430	**Received By:** Robin Hambrick	**Date/Time** 7-12-05 10:10

Additional Comments: The effluent sample being analyzed for toxicity is a flow-proportioned composite. Each outfall sample is a 24-hour composite. The sample collection times for each outfall are as follows:

001- 745 AM ~~004~~ 005-64T- 700 AM 005-64G- 700 AM ~~007~~ ~~09A~~ ~~09B~~

UPS

4.0°C

The time of compositing the final flow-proportioned sample was 1100 **A.M.**

042

Appendix III

Bench Data

General Electric – 48-hour Acute Biotoxicity Bench Sheet

Client: General Electric

Project: DRY WEATHER ACUTE

Lab. No.: TAS-GO-P178-001/002

Sample Date: 07/10-11/05 Time: 1100

Date Received: 07/12/05

Source: EFFLUENT COMPOSITE

Date Analyzed: 07/12/05

Source of dilution water: Housatonic River Water

Analyst(s): KH

Test Species: *Daphnia pulex* Age: Temp. Range: °C

Type of Test: 48-Hour Static Acute

Total Chlorine:

	Beginning	Ending
Date:	07/12/05	07/14/05
Time:	1100	1100

Concentration→	Housatonic River Control	MHSW Control	MHSW $Na_2S_2O_3$ Control	Effluent 5%	Effluent 15%	Effluent 35%	Effluent 50%	Effluent 75%	Effluent 100%
START									
Temperature	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
Hardness	110	100	100						310
D.O.	9.18	8.74	8.79	9.10	9.10	9.01	8.93	8.87	8.80
pH	6.67	7.04	7.09	6.75	6.81	7.08	7.17	7.26	7.34
Alkalinity	82	67	69						351
Sp. Conduct.	212	314	320	280	373	519	784	978	1197
24 HOUR									
No. Surviving	20	20	20	20	20	20	20	20	20
Temperature	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
D.O.	8.84	8.67	8.58	8.91	8.95	8.90	8.81	8.74	8.67
pH	6.72	7.09	7.15	6.79	6.89	7.17	7.24	7.36	7.32
Sp. Conduct.	220	322	329	293	390	529	797	972	1180
48 HOUR									
No. Surviving	20	20	20	20	20	20	20	20	20
Temperature	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
D.O.	8.77	8.61	8.52	8.83	8.87	8.86	8.70	8.67	8.58
pH	6.80	7.14	7.19	6.84	6.93	7.20	7.29	7.32	7.36
Sp. Conduct.	228	330	335	302	384	530	806	983	1172

Method Reference: *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms.*, Fifth Edition. EPA-821-R-02-012 U.S.EPA, Washington, DC.

f:\public\forms\bioassay\GE bench sheet-acute.doc

Acute Biotoxicity Bench Sheet

Client: QC

Project: Reference Toxicant Lab. No.:

Sample Date: Time: Date Received:

Source: NaCl Date Analyzed:

Source of dilution water: Moderately Hard Synthetic Water Analyst: KH

Test Species: Daphnia pulex Age: Temp. Range: °C

Type of Test: 48 Hour Acute

Total Chlorine: n/d

	Beginning	Ending
Date:	07/12/05	07/14/05
Time:	1400	1400

Concentration	Control		625	1250	2500	5000	10,000
START							
Temperature	19.7		19.7	19.7	19.7	19.7	19.7
Hardness	100						120
D.O.	8.7		8.7	8.7	8.7	8.7	8.7
pH	7.0		7.1	7.1	7.1	7.1	7.1
Alkalinity	63						70
Sp. Conduct.	313		1430	248	3810	7080	13210
24 HOUR							
Temperature	20.4		20.4	20.4	20.4	20.4	20.4
No. Surviving	20		20	20	15	4	0
48 HOUR							
Temperature	20.6		20.6	20.6	20.6	20.6	20.6
No. Surviving	20		20	~~14~~ 18	9	0	0

Note: All results expressed in mg/L unless otherwise designated. < = less than

Note: Number in parenthesis equals number not adversely effected (EC_{50}). This number is used in calculating EC_{50} value.

Note: Due to fragile structure of *Daphnia* organisms, dissolved oxygen (DO), hardness, alkalinity, specific conductance, and pH reading could not be taken after the organisms are added to the sample. Doing so would cause injury to the organisms.

Method Reference: *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms.*, Fifth Edition. EPA-821-R-02-012 U.S.EPA, Washington, DC

TRIMMED SPEARMAN-KARBER METHOD. MONTANA STATE UNIV

046.

FOR REFERENCE, CITE:
HAMILTON, M.A., R.C. RUSSO, AND R.V. THURSTON, 1977.
TRIMMED SPEARMAN-KARBER METHOD FOR ESTIMATING MEDIAN
LETHAL CONCENTRATIONS IN TOXICITY BIOASSAYS.
ENVIRON. SCI. TECHNOL. 11(7): 714-719;
CORRECTION 12(4):417 (1978).

DATE: 07/12/05 TEST NUMBER: - DURATION: 48 HOURS
CHEMICAL: NaCl SPECIES: PULEX

RAW DATA:

CONCENTRATION(MG/L)	625.00	1250.00	2500.00	5000.00	*******
NUMBER EXPOSED:	20	20	20	20	20
MORTALITIES:	0	2	11	20	20
SPEARMAN-KARBER TRIM:		0.00%			

SPEARMAN-KARBER ESTIMATES: LC50: 2253.13
95% LOWER CONFIDENCE: 1881.81
95% UPPER CONFIDENCE: 2697.71

Appendix IV
U.S. EPA Region I Toxicity Test Summary

Toxicity Test Summary Sheet

Facility Name: General Electric Co. Test Start Date: July 12, 2005
NPDES Permit Number: MA 000 3891 Pipe Number: 001, 005-64T, 005-64G, 09A, 09B

Test Type	Test Species	Sample Type	Sample Method
☑ Acute	☐ Fathead minnow	☐ Prechlorinated	☐ Grab
☐ Chronic	☐ Ceriodaphnia	☐ Dechlorinated	☑ Composite
☐ Modified*	☑ Daphnia pulex	☐ Chlorine	☐ Flow thru
☐ 24-hour Screening	☐ Mysid Shrimp	☐ Spiked at lab	☐ Other
	☐ Menidia	☑ Chlorinated on-site	
	☐ Sea Urchin	☐ Unchlorinated	
	☐ Champia		
	☐ Selenastrum		
	☐ Other		

*Modified (Chronic reporting acute values)

Dilution Water

X Receiving waters collected at a point upstream of or away from the discharge, free from toxicity or other sources of contamination (Receiving water name: Housatonic River);

___ Alternate surface water of known quality and a harness, etc. to generally reflect the characteristics of the receiving water;

___ Synthetic water prepared using either Millipore Mill-Q or equivalent deionized water and reagent grade chemicals; or deionized water combined with mineral water;

___ or artificial sea salts mixed with deionized water;

___ Deionized water and hypersaline brine; or

___ other

Effluent sampling date(s): July 10, 2005 to July 11, 2005

Effluent concentrations tested (in %): 100 75 50 35 15 5
*(Permit limit concentration): N/A

Was effluent salinity adjusted? No
If yes, to what value? N/A ppt
With sea salts? N/A Hypersaline brine solution? N/A

Actual effluent concentrations tested after salinity adjustment
(In %): N/A N/A N/A N/A N/A N/A
Reference Toxicant Test Date: July 12, 2005 to July 14, 2005

N/A= not applicable

Permit Limits & Test Results

Test Acceptability Criteria

MEAN CONTROL SURVIVAL: 100% MEAN CONTROL REPRODUCTION: N/A

MEAN CONTROL WEIGHT: N/A MEAN CONTROL CELL COUNT: N/A

Limits		Results	
LC50	N/A	48-hr LC50	>100%
		Upper Value	N/A
		Lower Value	N/A
		Data Analysis Method used:	N/A
A-NOEC	N/A	A-NOEC	100%
C-NOEC	N/A	C-NOEC	N/A
		LOEC	N/A
IC25	N/A	IC25	N/A
IC50	N/A	IC50	N/A

N/A = not applicable

Attachment D

Chronic Effects of the Process Wastewaters Discharged from the General Electric Plant; Pittsfield, Massachusetts [Samples Collected in July 2005]

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

Chronic Effects of the Process Wastewaters Discharged from the General Electric Plant Pittsfield, Massachusetts

Samples collected in July 2005

Submitted to:

General Electric
Area Environmental & Facility Programs
100 Woodlawn Avenue
Pittsfield, Massachusetts 01201

SGS Sample ID: TA5-G0-P179

Study Director: Ken Holliday

27 July 2005

SGS Environmental Services
1258 Greenbrier Street
Charleston, West Virginia 25311-1002
Tel: 304.346.0725 Fax: 304.346.0761
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Signatures and Approval

Submitted by: SGS Environmental Services
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Ken Holliday
Study Director
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27 July 2005
Date

Titshina L. Mims
Technical Writer

27 July 2005
Date

Barbara Hensley
Project Manager
barbara_hensley@sgs.com

27 July 2005
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: 27 July 2005
Date

Authorized signature

Jeannie Latterner
Name

QA/QC Manager
Title

SGS Environmental Services
Laboratory

jlatterner@sgs.com

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List of Tables

Executive Summary

The following is a summary of the toxicity results exposing *Ceriodaphnia dubia* to effluent collected from the General Electric Company, Pittsfield, Massachusetts. Effluent samples were collected from July 10, 2005 to July 15, 2005. The freshwater species, *Ceriodaphnia dubia*, was exposed to the effluent under static-renewal conditions. Acute endpoints were derived 48-hours into the chronic studies.

Acute Toxicity Evaluation

Species	Exposure Period	LC_{50} % effluent	NOAEL % effluent
Ceriodaphnia dubia	48 hours	>100%	100%

Chronic Toxicity Evaluation

Species	Endpoint	Exposure Period	NOCEL % effluent	LOCEL % effluent	MAWC % effluent
Ceriodaphnia dubia	Survival	7 days	100%	>100%	≥100%
Ceriodaphnia dubia	Reproduction	7 days	100%	>100%	≥100%

Summary of Test Conditions and Test Results

Static Renewal Short-Term Toxicity Test with *Ceriodaphnia dubia*

Sponsor:	General Electric
Protocol Title:	*Chronic Aquatic Toxicity Testing*, SGS Document Control Number 7003, version 5.0
Study Number:	TA5-G0-P179
Test Material:	Composite effluent from the General Electric Company located in Pittsfield, Massachusetts
GE Sample ID:	A6605C, A6615C and A6626C
Dilution Water:	Water from the Housatonic River
Dilution Water ID:	A6604R, A6614R and A6625R

Dates Collected:

Effluent	Dilution Water
07/10/05 to 07/11/05 (A6605C)	07/11/05 (A6604R)
07/12/05 to 07/13/05 (A6615C)	07/13/05 (A6614R)
07/14/05 to 07/15/05 (A6626C)	07/15/05 (A6625R)

Dates Received: 07/12/05, 07/14/05, 07/16/05

Test Dates: 07/12/05 to 07/19/05

Test Concentrations:
100% effluent
75% effluent
50% effluent
25% effluent
12.5 effluent
6.25% effluent
dilution water control (Housatonic River)
reference control (moderately hard reconstituted water)
secondary reference control (sodium thiosulfate)

Test Type:	Chronic static renewal
Temperature:	25°C (± 1°C)
Light Intensity:	90 to 100 foot-candles
Photoperiod:	16 hours light, 8 hours dark
Size of Test Chamber:	30 ml medicine cups
Test Solution Volume:	20 ml per medicine cup
Renewal of solutions:	Test solutions were renewed daily using the most recently collected effluent sample.
Age of Organisms:	The test organisms were less than 24-hours old and were all hatched within an 8-hour period of each other.
Number of Neonates per test chamber:	1 daphnid per test chamber (replicate)
Number of Replicate Test Chambers per treatment:	10 test chambers (replicates) per concentration
Feeding regime:	Daphnid cultures were fed a combination of green algae (*Selenastrum capricorium*) and YCT (yeast, cereal leaves and trout chow).
Aeration:	The effluent sample was supersaturated by aeration prior to use in the test.
Results:	LC_{50} The 48-hour LC_{50} value was determined to be >100% effluent.
	NOAEL The No-Observed-Acute-Effect-Level (NOAEL), based on survival, was observed to be 100% effluent
	NOCEL The No-Observed-Chronic-Effect-Level, based on reproduction, was determined to be 100% effluent

LOCEL The Lowest-Observed-Chronic-Effect-Level, based on reproduction, was determined to be >100% effluent

MAWC The Maximum Acceptable Wastewater Concentration was calculated to be ≥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 process wastewater and municipal sewage.

The purpose of the National Pollutant Discharge Elimination System (NPDES) Program is to protect human health and the environment. The Clean Water Act requires that all point sources discharging pollutants into waters of the United States must obtain an NPDES permit. By point sources, EPA means discrete conveyances such as pipes or man made ditches.

For many years, discharge limits were based on available technology for wastewater treatment. However, in 1984, the U.S. Environmental Protection Agency (EPA) released a national policy statement entitled "Policy for the Development of Water Quality-Based Permit Limitations for Toxic Pollutants" (U.S. EPA, 1984) which addresses the control of toxic pollutants beyond technology-based requirements in order to meet water quality standards. To implement the new policy, guidance was provided to the respective state and regional permit personnel in the EPA's "Technical Support Document for Water Quality-Based Toxics Control" (U.S. EPA, 1985; U.S. EPA, 1991). The EPA's policy statement and the support document recommended that, where appropriate, permit limits should be based on effluent toxicity as measured in aquatic toxicity tests.

1.2 Clean Water Act, 33 U.S.C. s/s 1251 et seq. (1977)

The Clean Water Act is a 1977 amendment to the Federal Water Pollution Control Act of 1972, which set the basic structure for regulating discharges of pollutants to waters of the United States. The law gave EPA the authority to set effluent standards on an industry basis (technology-based) and continued the requirements to set water quality standards for all contaminants in surface waters. The CWA makes it unlawful for any person to discharge any pollutant from a point source into navigable waters unless a permit (NPDES) is obtained under the Act. The 1977 amendments focused on toxic pollutants. In 1987, the CWA was reauthorized and again focused on toxic substances, authorized citizen suit provisions, and funded sewage treatment plants (POTWs) under the Construction Grants Program. The CWA provisions for the delegation by EPA of many permitting, administrative, and enforcement aspects of the law to state governments. In states with the authority to implement CWA programs, EPA still retains oversight responsibilities.

1.3 The Chronic Toxicity Test

The acute toxicity test is used for predicting the maximum allowable concentrations of industrial waste waters that can be discharged into a receiving system. Chronic toxicity tests produce data that is useful in predicting the wastewater concentrations not likely to harm a resident population of invertebrates or fish.

1.4 Objective of the General Electric Study

The objective of this study was to measure the chronic toxicity of the composite process wastewater discharged by the General Electric facility located in Pittsfield, Massachusetts, using *Ceriodaphnia dubia* under static renewal conditions. Whereas *Ceriodaphnia dubia* are not considered locally important, they are routinely used by regulatory agencies and contract laboratories nationwide for toxicity testing. A short-term chronic toxicity test was conducted from July 12,

2005 to July 19, 2005 at SGS Environmental Services, Charleston, West Virginia. All original raw data and the final report produced for this study are stored in SGS's archives at the above location.

2.0 Materials and Methods

2.1 Protocol

Procedures used in this chronic toxicity test followed those described in the SGS Standard Operating Procedure (SOP) entitled *Chronic Aquatic Toxicity Testing*, SGS document control number 7003, version 5.0. This SOP generally follows the standard methodology described by the U.S. Environmental Protection Agency.

Additional SOPs used in this study are outlined below:

Title	Document Number	Version
Culture Waters for Aquatic Toxicity Testing	7005	4.0
Daphnia, Culture of	7006	5.0
Reference Toxicant Testing	7008	5.0
Sample Handling for Aquatic Toxicity Testing	7009	4.0

Copies of these documents are included in the References section of this report.

2.2 Effluent Sample

The first effluent sample (A6605C) was collected by GE personnel from July 10, 2005 to July 11, 2005 , and was used to initiate the short-term chronic test and renewal of the test solutions on Day 1 and Day 2. Upon receipt at SGS on July 12, 2005, the sample temperature was 4.0°C. The effluent sample was characterized as having

Sample #1 – collected from 07/10/05 to 07/11/05

Parameter	Result
Total Hardness	290
Alkalinity (as $CaCO_3$)	359
pH	7.18

Sample #1 – collected from 07/10/05 to 07/11/05

Parameter	Result
Specific Conductance	1193
Dissolved Oxygen Concentration*	8.54
Appearance	Clear

The second effluent sample (A6615C) was collected by GE personnel from July 12, 2005 to July 13, 2005 , and was used for renewal of test solutions on Day 3 and Day 4. Upon receipt at SGS on July 14, 2005, the sample temperature was 3.9°C. The effluent sample was characterized as having

Sample #2 – collected from 07/12/05 to 07/13/05

Parameter	Result
Total Hardness	380
Alkalinity (as $CaCO_3$)	297
pH	7.47
Specific Conductance	1167
Dissolved Oxygen Concentration*	8.80
Appearance	Clear

The third effluent sample (A6626C) was collected by GE personnel from July 14, 2005 to July 15, 2005 , and was used for renewal of test solutions on Days 5, 6 and 7. Upon receipt at SGS on July 16, 2005, the sample temperature was 3.6°C. The effluent sample was characterized as having

Sample #3 – collected from 07/14/05 to 07/15/05

Parameter	Result
Total Hardness	310
Alkalinity (as $CaCO_3$)	260
pH	7.40
Specific Conductance	978
Dissolved Oxygen Concentration*	8.71
Appearance	Clear

*Dissolved oxygen concentration was recorded after sample was aerated and warmed to approximately 20°C).

2.3 Dilution Water

Dilution water consisted of receiving water collected from the Housatonic River and was collected as a "grab" sample. The first dilution water sample (A6604R) was collected by General Electric personnel on July 11, 2005, and was used with the Day 1 and Day 2 test. Upon receipt at SGS, the sample temperature was 4.0°C. The dilution water sample was characterized as having

Dilution Water #1	**Collected 07/11/05**
Parameter	**Result**
Total Hardness	100
Alkalinity (as $CaCO_3$)	74
pH	6.51
Specific Conductance	210
Dissolved Oxygen Concentration*	8.88
Appearance:	Slight yellow color

The second dilution water sample (A6614R) was collected by General Electric personnel on July 13, 2005, and was used with the Day 3 and Day 4 tests. Upon receipt at SGS, the sample temperature was 3.9°C. The dilution water sample was characterized as having

Dilution Water #2	**Collected 07/13/05**
Parameter	**Result**
Total Hardness	180
Alkalinity (as $CaCO_3$)	83
pH	6.72
Specific Conductance	232
Dissolved Oxygen Concentration*	8.88
Appearance:	Slight yellow color

The third dilution water sample (A6625R) was collected by General Electric personnel on July 15, 2005, and was used with the Day 5, 6 and 7 tests. Upon receipt at SGS, the sample temperature was 3.6°C. The dilution water sample was characterized as having

Dilution Water #3	Collected 7/15/05
Parameter	**Result**
Total Hardness	160
Alkalinity (as $CaCO_3$)	97
pH	6.98
Specific Conductance	267
Dissolved Oxygen Concentration*	9.04
Appearance:	Slight yellow color

*Dissolved oxygen concentration was recorded after sample was aerated and warmed to approximately 25°C).

2.4 Reference Control Water

Water used in the reference control vessels was deionized (DI) water adjusted to the appropriate hardness (moderately hard reconstituted water) by the addition of reagent grade chemicals (U.S. EPA, 1993). Characterization of this water resulted in:

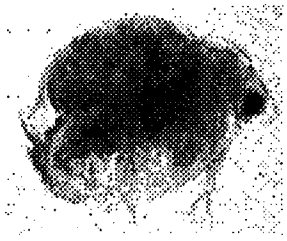
Parameter	Result
Total Hardness	100 - 110
Alkalinity (as $CaCO_3$)	64 - 67
pH	7.03 - 7.10
Specific Conductance	308 - 320

2.5 Secondary Reference Control

A secondary reference control consisted of deionized (DI) water adjusted to the appropriate hardness (moderately hard reconstituted water) and sodium thiosulfate (0.1 N).

2.6 Test Organisms

Ceriodaphnia dubia→



Daphnids (*Ceriodaphnia dubia*), less than 24-hours old, were obtained from SGS laboratory cultures maintained in Charleston. The culture system consisted of twenty-four (24) 100 ml disposable plastic beakers each containing 80 ml of culture medium

and one (1) daphnid. The culture medium was deionized (DI) water for which the hardness was raised by addition of reagent grade chemicals (U.S. EPA, 1993). Prior to use, the culture water was characterized:

Parameter	Result
Total Hardness	within range of 80-110 mg/L
Alkalinity (as $CaCO_3$)	within range of 60-75 mg/L
PH	within range of 7.0 to 7.2

The culture area was maintained at a temperature of 25°C (±1°C) with a regulated photoperiod of 16 hours of light and 8 hours of darkness.

Daphnid cultures were fed a combination of green algae (*Selenastrum capricorium*), approximately 4.0×10^7 cells/ml and YCT (yeast, cereal leaves and trout chow). Approximately 1.0 ml of algae and 0.5 ml of YCT was added to each culture vessel daily. Three times per week, daphnids are transferred to fresh culture media.

Approximately twenty-four hours before test initiation, all immature daphnids were removed from the culture flasks. Offspring produced during the period were used in the toxicity test. All Ceriodaphnia dubia were used in the test were ≤24 hours old and all were produced within an 8-hour period.

2.7 Test Procedures

A subsample of the effluent and the dilution water (approximately 2250 ml), from each of the three sampling events, was analyzed by SGS for total phosphorus, chloride, total suspended solids, and total solids. The short-term chronic toxicity test was conducted at concentrations of 100%, 75%, 50%, 25%, 12.5% and 6.25% effluent. Test concentrations were prepared from this solution by diluting the appropriate volume of effluent with dilution water to a total volume of 800 ml. Test solutions were then divided into replicate (10

replicates per concentration) 30 ml medicine cups, each containing 20 ml of test solution. One set of ten control beakers (containing Housatonic River water), one set of ten reference control beakers (containing moderately hard reconstituted water), and one set of ten secondary reference control beakers (containing moderately hard reconstituted water and sodium thiosulfate) were established and maintained under the same conditions as the exposure concentrations. Test solutions were placed in an incubator to maintain solution temperature of 25°C (± 1°C). Light was provided on a 16-hour light and 8-hour dark photoperiod. Florescent bulbs provided an illumination of 90 to 100 foot-candles in the test area.

Prior to test initiation, daphnids less than 24-hours old were culled individually with a plastic pipette and placed into a 1000 ml holding beaker containing approximately 500 ml of reference water. The test was initiated when daphnids were individually transferred from the holding beaker to the test solutions (5 daphnids per replicate). The renewal of the test solutions was conducted daily by transferring the adult organisms to freshly prepared solutions. The daphnids were fed prior to test initiation and immediately following renewal of the test solutions.

2.8 Test Monitoring

The number of mortalities and observations in each replicate vessel were recorded at 0, 24, 48, 72, 96, 120, 144 and 168 hours of exposure and observed mortalities were removed from the test solutions. Biological observations and observations from the physical characteristics of each replicate test solution and control were also made and recorded at 0, 24, 48, 72, 96, 120, 144 and 168 hours. Dissolved oxygen concentrations pH and temperature were measured at test initiation and at 24-hour intervals thereafter, in one replicate vessel (a) for each test concentration in which there were surviving organisms.

Total hardness concentrations were measured by the EDTA titrimetric method and total alkalinity concentrations were determined by potentiometric titration to an endpoint of pH 4.5 (APHA, 1989). Total residual chorine was measured by Hach test. Concentrations of ammonia were determined using a Buchi model 212 distillation unit and titrated automatically with a Brinkman titroprocessor. Specific conductivity was measured with a Cole Palmer Model 71250 salinity-conductivity-temperature meter and probe; pH was measured with a Fisher Scientific Accumet 910 pH meter and combination electrode; dissolved oxygen concentration was measured with a YSI Model 59 dissolved oxygen meter. Daily temperature measurements were performed with a Princo mercury thermometer and a Fisher minimum-maximum thermometer. Light intensity was measured with a General Electric type 217 light meter.

2.9 Reference Toxicity Test

A chronic reference toxicity test exposing *Ceriodaphnia dubia* to sodium chloride (NaCl) was conducted from July 06, 2005 to July 13, 2005. The reference test was conducted to establish the health of the test organisms. The reference toxicity test included five NaCl concentrations and a dilution water control (moderately hard reconstituted water). The nominal NaCl concentrations for the test with *Ceriodaphnia dubia* was 500, 1000, 2000, 3000 and 4000 mg of NaCl/L. Test methods were the same as those described above for the effluent test.

3.0 Statistics

All data generated during the test was tabulated, summarized and analyzed by SGS. The data generated at the end of 48 hours were analyzed and when appropriate a median lethal concentration (LC_{50}) was calculated. This value was derived using a computerized statistical method (TOXSTAT 3.5), which was also used to calculate confidence levels were possible for each test organism.

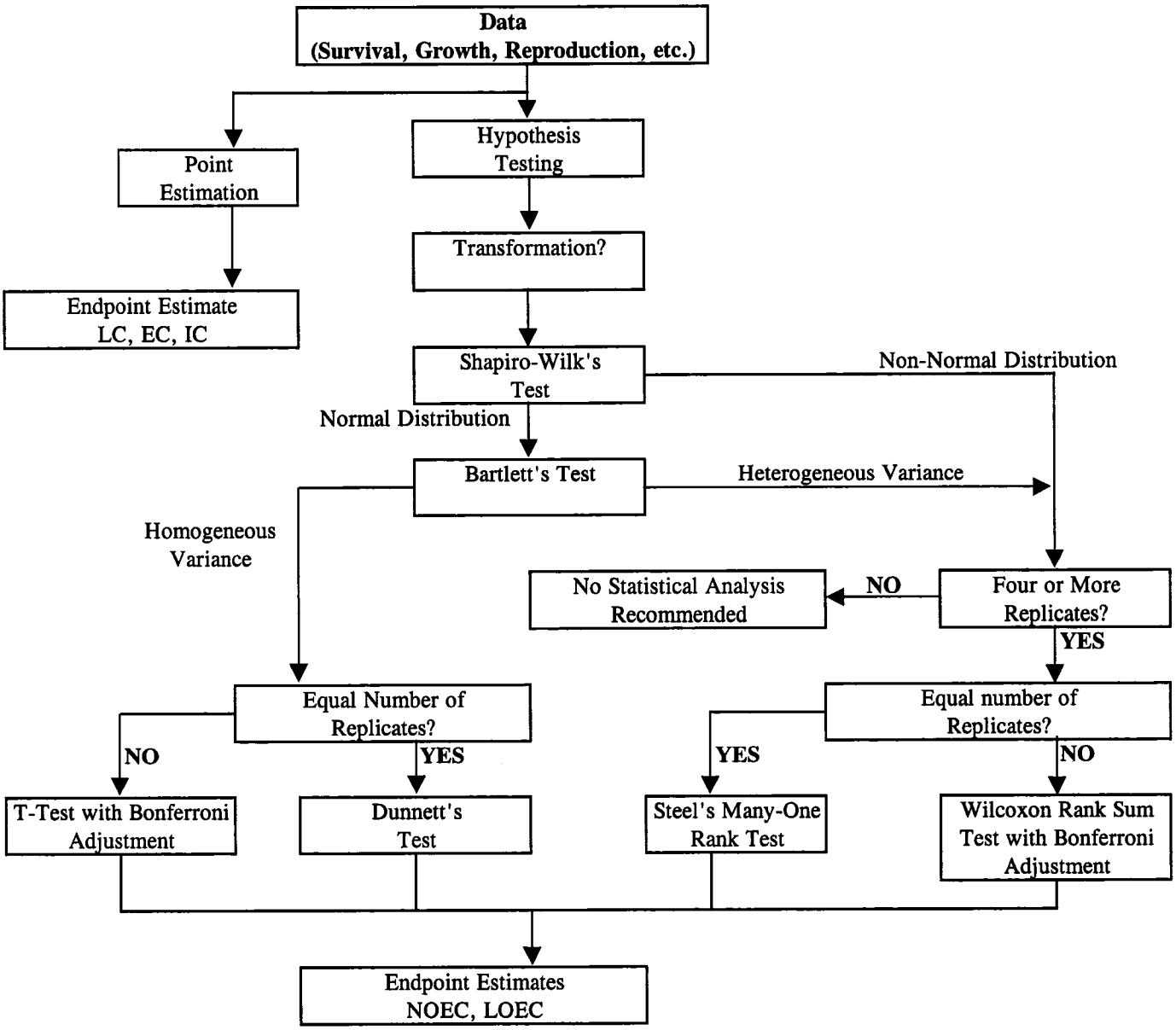
If partial mortalities were observed in at least two concentrations, the probit analysis, which yields LC_{50} values and 95 percent confidence levels, was used. When fewer than two partial mortalities were observed, the moving average method, binomial method, or non-linear interpolation, was used to generate LC_{50}s. The final report specifies the statistical methods used.

The Shapiro-Wilk's test and Bartlett's test are performed on all other chronic data to test for normality of data distribution and homogeneity of variance between treatments.

Concentrations above the NOECL for survival were excluded from the hypothesis tests for reproduction and growth. If assumptions of parametric analysis (Shapiro-Wilk's test and Bartlett's test) are met, the reproduction data will be analyzed using Dunnett's procedure or the T-test with Bonferroni Adjustment. If assumptions are not met, Steel's Many-One Rank test or Wilcoxon Rank Sum test with Bonferroni Adjustment (non-parametric analyses) are used to analyze data. Fisher's Exact is used to analyze Ceriodaphnia survival data. The final report specifies the statistical methods used.

Generally, to choose the best estimate values for a particular data set, the U.S. EPA flow chart on page 21 was followed.

Flowchart for Statistical Analysis of Data



4.0 Results

4.1 Effluent Toxicity Test

The methods and detection limits of chemical analyses performed on the composite effluent sample and dilution water are summarized in Table 1. Results of the characterization and analysis of the effluent and the dilution water are presented in Table 2. Water quality parameters measured during the toxicity test are presented in Table 3. Daily and continuous monitoring of the test solutions established the temperature ranged from 24°C to 26°C throughout the exposure period. The effluent concentration was tested (expressed as %) and the corresponding percent mortalities recorded during the 48-hour toxicity test are presented in Table 4.

The percent survival and number of offspring produced during the 7-day exposure to *C. dubia* are presented in Table 4. The 48-hour LC_{50} value was determined to be >100% effluent, since no concentrations caused ≥50% mortality during the first 48 hours of the study. At test termination, 100% survival was observed among *C. dubia* exposed to all effluent concentrations and the controls. Based on statistical analysis of the survival data, the NOCEL was determined to be 100% effluent.

By day seven, ≥60% of the reference control organisms had produced at least three broods with a minimum of 15 young per female.

	Mean Number of Offspring per Effluent Concentration								
	Effluent Concentration (%)						Dilution water control	Reference Control	Secondary Reference Control
	6.25	12.5	25	50	75	100			
Mean →	25.1	24.4	24.4	24.2	24.7	26.2	27.3	25.3	26.0

(Secondary reference control = sodium thiosulfate)

Statistical analyses of *C. dubia* reproduction using Dunnett's did not established a difference between the 100% effluent concentration and the control group. The NOCEL, based on reproduction, was therefore determined to be 100% effluent. The Lowest-Observed-Chronic-Effect-Level (LOCEL), based on reproduction, was determined to be >100% effluent. The Maximum-Acceptable-Wastewater-Concentration (MAWC) was calculated to be 100% effluent.

4.2 Reference Toxicity Test

SGS uses sodium chloride (NaCl) as a reference toxicant. The reference test was conducted from July 06, 2005 to July 08, 2005, and the resulting 48-hour LC_{50} was estimated by Spearman-Karber Trim to be 1609 mg of NaCl/L (95% confidence intervals of 1037 to 1479 mg NaCl/L).

5.0 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. 1984. *Development of water Quality-Based Permit Limitations for Toxic Pollutants*. Federal Register 49(48):90160-90190.

U.S. Environmental Protection Agency. 1985. *Technical Support Document for Water Quality-Based Toxics Control*. Office of Water, Washington, DC.

U.S. Environmental Protection Agency. 1991. Technical Support Document for Water Quality-Based Toxics Control. Office of Water, Washington, DC.

Weber, Cornelius I., et al., *Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms*, Fourth Edition. EPA-821-R-02-013. U.S.EPA, Cincinnati, Ohio.

Table 1. Methods and detection limits of chemical analyses of the General Electric Pittsfield Plant effluent and the dilution water (Housatonic River).

Parameters	Method	Detection Limits
Ammonia Nitrogen as N	EPA 350.2	1.0 mg/L
Chloride	EPA 325.2	1.0 mg/L
Total Organic Carbon	EPA 415.1	1.0 mg/L
Total Solids	EPA 160.3	10.0 mg/L
Phosphorus, Total as P	EPA 365.2	0.02 mg/L
Total Residual Chlorine	Standard Methods 4500-Cl G	0.01 mg/L
Total Suspended Solids	EPA 160.2	5.0 mg/L

Table 2a. Sample #1 – collected from 07/10/05 to 07/11/05
Dilution water collected on 07/11/05
Results of the characterization and analyses of the General Electric Pittsfield Plant effluent and the dilution water (Housatonic River).

Parameter	Effluent (A6605C)	Housatonic River (A6604R)
Temperature	24.6°C	24.6°C
pH	7.18	6.51
Alkalinity (as $CaCO_3$)	359 mg/L	74 mg/L
Hardness (as $CaCO_3$)	290 mg/L	100 mg/L
Dissolved Oxygen	8.54 mg/L	8.88 mg/L
Specific Conductivity	1193 µmhos/cm	210 µmhos/cm
Salinity	N/A	N/A
Total Residual Chlorine	ND	ND
Ammonia as N (0-Hour)	ND	ND
Total Phosphorus as P	ND	ND
Chloride	140 mg/L	47 mg/L
Total Suspended Solids	5.0 mg/L	6.0 mg/L
Total Solids	620 mg/L	130 mg/L
Total Organic Carbon	2.0 mg/L	4.2 mg/L
Description	clear	slight yellow color

*Dissolved oxygen concentrations recorded after samples were aerated and warmed to approximately 20°C.
N/A = not applicable ND = non detectable

Table 2b. Sample #2 – collected from 07/12/05 to 07/13/05
Dilution water collected on 07/13/05
Results of the characterization and analyses of the General Electric Pittsfield Plant effluent and the dilution water (Housatonic River).

Parameter	Effluent (A6615C)	Housatonic River (A6614R)
Temperature	25.2°C	25.2°C
pH	7.47	6.72
Alkalinity (as $CaCO_3$)	297	83
Hardness (as $CaCO_3$)	380	180
Dissolved Oxygen	8.80	8.88
Specific Conductivity	1167	232
Salinity	N/A	N/A
Total Residual Chlorine	ND	ND
Ammonia as N (0-Hour)	ND	ND
Total Phosphorus as P	ND	ND
Chloride	140 mg/L	14 mg/L
Total Suspended Solids	ND	ND
Total Solids	660 mg/L	130 mg/L
Total Organic Carbon	1.3 mg/L	3.8 mg/L
Description	Clear	Slight yellow color

Dissolved oxygen concentrations recorded after samples were aerated and warmed to approximately 20°C.
N/A = not applicable ND = non detectable

Table 2c. Sample #3 – collected from 07/14/05 to 07/15/05
Dilution water collected on 07/15/05
Results of the characterization and analyses of the General Electric Pittsfield Plant effluent and the dilution water (Housatonic River).

Parameter	Effluent (A6626C)	Housatonic River (A6625R)
Temperature	24.8°C	24.8°C
pH	7.40	6.98
Alkalinity (as $CaCO_3$)	260	97
Hardness (as $CaCO_3$)	310	160
Dissolved Oxygen	8.71	9.04
Specific Conductivity	978	267
Salinity	N/A	N/A
Total Residual Chlorine	ND	ND
Ammonia as N (0-Hour)	ND	ND
Total Phosphorus as P	0.047 mg/L	ND
Chloride	130 mg/L	20 mg/L
Total Suspended Solids	12 mg/L	6.0 mg/L
Total Solids	480 mg/L	140 mg/L
Total Organic Carbon	4.2 mg/L	4.2 mg/L
Description	Clear	Slight yellow color

Dissolved oxygen concentrations recorded after samples were aerated and warmed to approximately 20°C. N/A = not applicable ND = non detectable

Table 3. The water quality measurements (ranges) recorded during the 7-day short-term chronic toxicity test exposing *Ceriodaphnia dubia* to General Electric Pittsfield Plant effluent.

Sample ↓	pH	Dissolved Oxygen mg/L	Temperature (°C)	Conductivity µmhos/cm
Dilution Water Control	6.51-7.03	8.77-9.04	24.6-25.7	207-267
Reference Control	7.03-7.10	8.70-8.81	24.6-25.7	308-320
$Na_2S_2O_3$ Control	7.10-7.15	8.73-8.87	24.6-25.7	317-328
6.25% effluent	6.61-7.10	8.78-8.97	24.6-25.7	266-317
12.5% effluent	6.68-7.18	8.74-8.94	24.6-25.7	329-410
25% effluent	6.77-7.22	8.70-8.94	24.6-25.7	443-628
50% effluent	6.93-7.33	8.68-8.93	24.6-25.7	577-871
75% effluent	7.07-7.45	8.60-8.93	24.6-25.7	784-1022
100% effluent	7.18-7.52	8.54-8.91	24.6-25.7	960-1193

Dilution Water Control = receiving water collected from the Housatonic River
Reference Control = moderately hard synthetic water
$Na_2S_2O_3$ Control = moderately hard synthetic water and sodium thiosulfate (0.1 N)

Table 4. Summary of the mean survival and reproduction recorded during the 7-day short-term chronic toxicity test exposing *Ceriodaphnia dubia* to General Electric Pittsfield Plant effluent.

Effluent Concentration (%)	Days 1	2	3	4	5	6	7
Reference Control	100%	100%	100%	100%	100%	100%	100%
$Na_2S_2O_3$ Control	100%	100%	100%	100%	100%	100%	100%
Control	100%	100%	100%	100%	100%	100%	100%
6.25	100%	100%	100%	100%	100%	100%	100%
12.5	100%	100%	100%	100%	100%	100%	100%
25	100%	100%	100%	100%	100%	100%	100%
50	100%	100%	100%	100%	100%	100%	100%
75	100%	100%	100%	100%	100%	100%	100%
100	100%	100%	100%	100%	100%	100%	100%

	Number of Offspring Produced							Mean
Reference Control	0	0	0	32	39	61	121	25.3
$Na_2S_2O_3$ Control	0	0	0	39	29	72	120	26.0
Control	0	0	0	42	43	65	123	27.3
6.25	0	0	0	32	19	75	125	25.1
12.5	0	0	0	35	24	67	118	24.4
25	0	0	0	40	25	64	115	24.4
50	0	0	0	40	29	61	112	24.2
75	0	0	0	43	46	50	108	24.7
100	0	0	0	42	42	47	131	26.2

Actual number of mortalities (if any) is presented in parentheses.

Reference Control = moderately hard synthetic water
$Na_2S_2O_3$ Control = moderately hard synthetic water and sodium thiosulfate (0.1 N)
Dilution Water Control = receiving water collected from the Housatonic River

Appendix I

References

SGS Environmental Services Inc.
Standard Operating Procedure

Document Title:	**Procedure for Chronic Aquatic Toxicity Testing**
Method Reference:	**SGS/USEPA**
Document File Name:	**7003-05.DOC**
Revision Number:	**5.0**
Effective Date:	**May 17, 2005**
Review Date:	**May 17, 2005**

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Document Control Number: 7003.05

Approved by: _____ Supervisor — 5-17-5 Date

Approved by: Jeannie Latterner QA/QC Officer — 5-17-05 Date

1.0 INTRODUCTION

1.1 This method estimates the chronic toxicity of whole effluents and receiving water to *Pimephales promelas*, fathead minnow, and *Ceriodaphnia dubia* in a seven-day, static-renewal test. Growth, survival, and reproduction are used as endpoints to measure toxicity.

1.2 The sample is brought up to test temperature in a room temperature water bath. Chemical parameters are checked and recorded. If the pH, D.O. or chlorine fall outside the acceptable testing range, the effluent may be adjusted (see screening; Test Preparation).

1.3 24 hour composite samples are used in chronic testing. Some tests use three samples collected over the seven day period in which the test is set up and daily renewals are made. Other tests require a fresh sample daily for seven days.

1.3.1 The first sample is used for test initiation on day 1 and test solution renewal on day 2. The second sample is used for renewals on days 3 and 4, and the third sample is used for renewals on days 5, 6. Samples held over night are kept at 4° C until needed.

1.3.2 A fresh sample is collected and used for solution renewal each day.

2.0 *PIMEPHALES PROMELAS* LARVAL SURVIVAL AND GROWTH TEST

2.1 Test Duration

7 Days

2.2 Static Renewal

2.3 Endpoints

Survival and Growth

SGS Environmental Services Inc.
Standard Operating Procedure

2.4 Test Preparation

2.4.1 The screening test consists of a control and a 100%. The definitive test consists of a control and a dilution series consisting of 100%, 50%, 25%, 12.5% and 6.25% of the effluent(unless otherwise requested). Samples taken at points downstream may be included if a permit requires it.

2.4.2 The sample is brought up to test temperature(25°C) in a waterbath. Chemical parameters (alkalinity, hardness, pH, D.O., and conductivity) are checked and recorded. If the pH, D.O. or chlorine fall outside the acceptable testing range, the effluent may be adjusted (see screening; Test Preparation).

2.4.3 The dilutions are prepared in graduated cylinders using moderately hard synthetic water (unless other dilution water is specified by the permit).

2.4.4 250 ml of each dilution are poured into four(4) beakers. Containers are disposable 800 ml HDPE plastic beakers.

2.5 Loading

2.5.1 Ten organisms, less than 24 hours old, are placed in each beaker. Fish are loaded by first transferring them to a shallow dish from which they are easily transferred with a large bore pipette.

2.5.2 The test chambers are positioned randomly at the beginning of the test. This randomization is maintained throughout the test.

2.6 Test Temperature

The test is conducted in a constant temperature incubator at 25°C ± 1°

2.7 Renewal Procedure

2.7.1 At 24 hours, the water quality parameters and temperatures are checked and recorded. At this time mortalities are also recorded and removed.

2.7.2 New concentrations are prepared (as in day 1) and the renewal water qualities and temperatures are recorded.

2.7.3 The test vessels are gently emptied. Extreme care is taken not to lose any fish. At this time uneaten *artemia* and other debris are removed from the

bottom of the test chambers using a disposable pipet. New dilutions are slowly added.

2.7.4 Accidental removal of fish is noted on the bench sheet.

2.8 Feeding

2.8.1 The fish in each chamber are fed 0.15 ml of an *artemia* suspension two (2) times daily. Accuracy and consistency is assured by dispensing *artemia* suspension with an automatic pipette. The *artemia* suspension consists of concentrated newly hatched brine shrimp. This feeding will supply each chamber with sufficient food to ensure a small excess.

2.8.2 Fish are not fed during the final 12 hours of the test.

2.9 Termination of the Test

2.9.1 Seven days after test initiation the test is terminated. At this time final water qualities are measured and recorded along with mortalities.

2.9.2 Surviving larvae from each test chamber are rinsed with D.I. water and are placed on pre-weighed tin trays. The fish are euthanised before drying. The fish are dried at 100° C for a minimum of 2 hours and are then placed in a desiccator until the time of weighing. Weights are measured to the nearest 0.01 mg.

2.10 Acceptability of Test Results

Survival in the controls must be at least 80%. The average dry weight of control larvae must be greater than or equal to 0.250 mg.

3.0 *CERIODAPHNIA DUBIA* SURVIVAL AND REPRODUCTION TEST

3.1 Test Duration

Until 60% of the control has three broods.

3.2 Static Renewal

3.3 Test Endpoints

Survival and Reproduction

3.4 Test Preparation

3.4.1 A screening test consists of a control and a 100%.

3.4.2 A definitive test consists of a control and a dilution series consisting of 100%, 50%, 25%, 12.5% and 6.25% of the effluent (unless otherwise requested) and River Sample Points, if provided.

3.5 Feeding

0.1 ml each of YCT and concentrated algae is placed in the test vessel prior to loading or transferring of the organisms. This is done to prevent undue stress to the organisms.

3.6 Loading

3.6.1 Neonates are obtained from adults that have eight or more young in their third or subsequent broods.

3.6.2 Neonates used in the test are all within 8 hours of each other in age. At the time of test initiation the neonates are ≤ 24 hours.

3.6.3 One neonate is placed in each test vessel. Test vessels are 30 ml disposable medicine cups. SGS uses a fibrotic illuminator during loading and renewals.

3.7 Test Temperature

25°C ± 1° C

3.8 Renewal

3.8.1 New test solutions are prepared and placed in new test vessels daily. Renewal water quality is measured prior to transfer. The test organisms are transferred to the new test solutions using a small bore pipette.

3.8.2 Neonates are counted at the time of transfer, but are not transferred. This number, along with any adult mortalities, is recorded.

3.9 Termination of the Test

3.9.1 The test is terminated when sixty percent (60%) of the control has had three broods.

3.9.2 At this time neonates are counted and recorded.

3.10 Acceptability of Test Results

3.10.1 Survival of the control adults must be at least 80%.

3.10.2 80% or greater survival and an average of 15 or more young/surviving female in the control solutions.

4.0 TEST DATA

4.1 Mortalities are recorded daily.

4.2 Water quality parameters are recorded before test initiation, at 24 hour intervals, (renewal of dilutions) and at the time of test termination.

4.3 Final dry weight of the *Pimephales promelas* are recorded.

4.4 Neonates are counted and recorded daily in the *Ceriodaphnia dubia* test.

4.5 Any unusual observations or complications noted during the test.

5.0 DATA ANALYSIS

5.1 Introduction

The data collected is first tabulated and summarized. A hypothesis test approach is used to calculate LOEC (Lowest Observed Effect Concentration) and NOEC (No Observed Effect Concentration) values for survival, growth and reproduction.

5.2 Methods for estimating the NOEC and LOEC of Survival Data

Note: Concentrations at which there is no survival in any of the test chambers are excluded from statistical analysis.

5.2.1 **Fisher's Exact Test** - used for *Ceriodaphnia dubia* survival data.

SGS Environmental Services Inc.
Standard Operating Procedure

5.2.2 **Shapiro-Wilk's Test and Bartlett's Test** - tests for normality and homogeneity of variance respectively, are performed first using no transformation.

5.2.3 **Dunnett's Procedure** - parametric procedure; used if data meets both the normality and homogeneity assumptions.

5.2.4 **Steel's Many-One Rank Test** - non-parametric procedure; used if either the normality or homogeneity test fail.

5.2.5 **Bonferroni T-test** - parametric analysis; used when unequal number of replicates occur.

5.2.6 **Wilcoxon Rank Sum Test with the Bonferroni adjustments** - non-parametric analysis; used when unequal number of replicates occur.

5.2.7 **t-Test** - used to compare Control with River Sample Points. Used for screening tests.

6.0 REPORT PREPARATION

6.1 SGS chronic toxicity test reports contain the following information:

6.1.1 Summary Page - Includes client, NPDES permit number, date collected, type and date of test, dilution water used, summary of test procedure and results.

6.1.2 Logistical Information - When the sample was collected and by whom, when the sample arrived at the laboratory, start time of test, any other pertinent information.

6.1.3 Results - Values obtained from test, statistical methods utilized to calculate the results.

6.1.4 Initial Characteristics of Effluent - Includes dissolved oxygen, pH, specific conductivity, hardness, alkalinity, temperature and total residual chlorine when indicated.

6.1.5 Data Summary - Summarizes percent survival per concentration, mean dry weight per concentration, mean young produced per concentration.

6.1.6 Statistical Data Print Outs.

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6.1.7 Chain of Custody

7.0 References

7.1 Weber, Cornelius I., et al., *Short Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms.*, Fourth Edition. EPA-821-R-02-013. U.S.EPA, Cincinnati, Ohio.

7.2 *Reporting and Testing Guidance for Biomonitoring Required by the Ohio Environmental Protection Agency*, October, 1991.

SGS Environmental Services Inc.
Standard Operating Procedure

Document Title:	**Culture Waters for Aquatic Toxicity Testing**
Method Reference:	**SGS/USEPA**
Document File Name:	**7005-04.DOC**
Revision Number:	**4.0**
Effective Date:	**October 20, 1998**
Review Date:	**May 17, 2005**

UNCONTROLLED COPY

Document Control Number: 7005.04

Approved by: _____ Supervisor — Date: 5-17-5

Approved by: _____ QA/QC Officer — Date: 5-17-05

1.0 Summary

This document describes the preparation of various waters used for the culture of aquatic organisms.

2.0 Moderately-Hard Synthetic Water

2.1 Place 19 liter of de-ionized, or equivalent, water in a properly cleaned and labeled plastic carboy.

2.2 Add 1.20 g of $MgSO_4$, 1.92 g $NaHCO_3$ and 0.08g KCl to the carboy.

2.3 Aerate overnight.

2.4 Add 1.20 g of $CaSO_4 \cdot 2H_2O$ to 1 liter of de-ionized or equivalent water in a separate flask. Stir on magnetic stirrer until calcium sulfate is dissolved and add to the 19 liter above and mix well.

2.5 Aerate vigorously for 24 hours to stabilize the medium.

3.0 Hard Synthetic Water

3.1 Place 9 liter of de-ionized, or equivalent, water in a properly cleaned and labeled plastic carboy.

3.2 Add 1.20 g of $MgSO_4$, 1.92 g $NaHCO_3$ and 0.08g KCl to the carboy.

3.3 Aerate overnight.

3.4 Add 1.20 g of $CaSO_4 \cdot 2H_2O$ to 1 liter of de-ionized, or equivalent water in a separate flask. Stir on magnetic stirrer until calcium sulfate is dissolved and add to the 9 liter above and mix well.

3.5 Aerate vigorously for 24 hours to stabilize the medium.

SGS Environmental Services Inc.
Standard Operating Procedure

Document Title:	**Culture Waters for Aquatic Toxicity Testing**
Method Reference:	**SGS/USEPA**
Document File Name:	**7005-04.DOC**
Revision Number:	**4.0**
Effective Date:	**October 20, 1998**
Review Date:	**May 17, 2005**

Document Control Number: 7005.04

4.0 Synthetic Water Solutions

4.1 KCL Stock Solution

4.1.1 Place 8 g of crystalline, reagent grade KCL in a 1 liter volumetric flask.
4.1.2 Bring the volume to one liter with distilled water.
4.1.3 Aerate vigorously for several hours before using.
4.1.4 Store in a 1 liter polyethylene bottle.

4.2 $MgSO_4$ Stock Solution

4.2.1 Place 120 g of regent water, anhydrous $MgSO_4$ powder in a 1 liter volumetric flask.
4.2.2 Bring the volume to one liter with distilled water.
4.2.3 Aerate vigorously for several hours before using.
4.2.4 Store in a 1 liter polyethylene bottle.

4.3 $NaHCO_3$ Stock Solution

4.3.1 Place 96 g of reagent grade $NaHCO_3$ powder in a 1 liter volumetric flask.
4.3.2 Bring the volume to 1 liter with distilled water
4.3.3 Aerate vigorously for several hours before using.
4.3.4 Store in a 1 liter polyethylene bottle.

5.0 Activated Carbon Treated Tap Water Diluent

5.1 Fill a 5-gallon carboy with water from the treatment system using the attached hose. Water should be allowed to flow slowly through the hose into the sink for 2-3 minutes before filling the carboy. Flow rate to fill the carboy should be slow.

5.2 One or two long airstones are placed in the filled carboy. Water is aerated vigorously for 48-hours.

5.3 Total residual chlorine must be checked on water from newly filled carboys before using.

5.4 Alkalinity, hardness and pH are checked on samples from dechlorinated water carboys according to the Laboratory Procedure Checklist.

5.5 Log information on the Dechlorinated Tap Water and Cechlorimeter log sheet including the carboy number and date filled.

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Standard Operating Procedure

Document Title:	**Culture Waters for Aquatic Toxicity Testing**
Method Reference:	**SGS/USEPA**
Document File Name:	**7005-04.DOC**
Revision Number:	**4.0**
Effective Date:	**October 20, 1998**
Review Date:	**May 17, 2005**

Document Control Number: 7005.04

6.0 Synthetic Sea Water Preparation

6.1 Fill a clean carboy with dechlorinated water to approximately the 25-gallon mark.

6.2 The newly filled carboy should be checked for the presence of chlorine and the results recorded on the saltwater carboy log sheet. If chlorine is present, two 4-inch airstones (adjusted to a moderately heavy air flow) should be introduced and the water aerated until a level of <0.01 mg/L is reached.

6.3 A sufficient amount of synthetic salt is added to the carboy to obtain the required salinity (usually 20 ppt).

6.4 All information should be logged on the Saltwater Carboy log sheet.

SGS Environmental Services Inc.
Standard Operating Procedure

Document Title:	**Culture of *Daphnia***
Method Reference:	**SGS/USEPA**
Document File Name:	**7006-05.DOC**
Revision Number:	**5.0**
Effective Date:	**March 12, 2001**
Review Date:	**May 17, 2005**

UNCONTROLLED COPY

Document Control Number: 7006

Approved by: _____ Supervisor — 5-17-5 Date

Approved by: _____ QA/QC Officer — 5.17.05 Date

1.0 Summary

This document describes the procedure for the culture of *Ceriodaphnia dubia, Daphnia pulex, Daphnia magna* that are used in aquatic toxicity testing.

2.0 Mass Stock Cultures of *Ceriodaphnia dubia, Daphnia pulex,* and *Daphnia magna*

2.1 Stock cultures are maintained in 1000 ml beakers/jars with 900 mls of culture media at 20 ± 1° C. These cultures are maintained only as a back-up source of organisms.

2.2 Culture media for *Ceriodaphnia dubia* and *Daphnia pulex* is moderately-hard synthetic water. Culture media for *Daphnia magna* is hard synthetic water (see document control number 7005.04, "Culture Waters for Aquatic Toxicity Testing").

2.3 Many cultures are maintained simultaneously with an informal rotation cycle. New cultures are started with young produced by individual cultures. These cultures are maintained for approximately 3 weeks after which they are discarded.

2.4 Cultures are fed YCT (yeast, cerophyll, digested trout chow/flake food) and algae (*Selanastrum capricorium*) on Monday, Wednesday and Friday. Feeding, as well as culture rotation, temperature and all other relevant data is recorded by species in a log book.

2.5 Stock cultures are also fed algae and YCT. These feedings are recorded in the log book.

3.0 Individual Cultures of *Ceriodaphnia dubia, Daphnia pulex, Daphnia magna*

3.1 Cultures of *Daphnia magna* and *Daphnia pulex* are maintained in 100 ml plastic beakers. Twenty-four (24) beakers with one organism each are kept at all times to ensure continuous availability of neonates for testing. Cultures of individual *Ceriodaphnia dubia* are maintained in 30 ml sterile plastic medicine cups. One to two cultures of approximately 100 organisms each are kept at all times.

3.2 Cultures are renewed three times per week. Organisms are fed daily.

SGS Environmental Services Inc.
Standard Operating Procedure

Document Title:	**Culture of *Daphnia***
Method Reference:	**SGS/USEPA**
Document File Name:	**7006-05.DOC**
Revision Number:	**5.0**
Effective Date:	**March 12, 2001**
Review Date:	**May 17, 2005**

Document Control Number: 7006

4.0 Obtaining Neonates for Testing

4.1 Cultures of *Ceriodaphnia* are started by placing one neonate into a 30 ml disposable plastic cup containing approximately 20 ml of Moderately Hard Synthetic Water. New *Ceriodaphnia* cultures are started every ten to fourteen days. *D. magna* and *D. pulex* are replaced whenever mortality occurs.

4.2 The individual cultures are transferred to fresh media three times per week. Synthetic water, algae and YCT are mixed prior to pouring into culture vessel to ensure uniformity of media. The old media and neonates are kept for stock cultures for several weeks and then discarded.

4.3 To assure neonates for chronic tests are of a very similar age, transfer of individual brood stock to fresh media should be made the morning of the test. The cultures are then checked approximately every two hours to find an adequate number of neonates all released with an 8 hour period. For acute tests, individuals are either transferred less than 24 hours before a test or the young are separated from adults less than 24 hours before a test.

4.4 Young used in chronic testing are obtained from adults who have produced at least three broods, with no less than 8 neonates in their third or subsequent brood. Neonates are then distributed in a "blocking" procedure, i.e., neonates from the same organism are placed in one replication of each concentration.

5.0 *DAPHNIA* Food

5.1 Digested Flake Food

5.1.1 Add 5g flake food to 1 L deionized water. Mix well in a blender and place in a 2 L separatory funnel. To digest, aerate this mixture at room temperature for one week.

5.1.2 At end of the digestion period, remove aeration and allow to settle.

5.1.3 Drain sediment. Place supernatant in a beaker and allow to settle in refrigerator overnight.

5.1.4 Filter through fine mesh.

SGS Environmental Services Inc.
Standard Operating Procedure

Document Title:	**Culture of *Daphnia***
Method Reference:	**SGS/USEPA**
Document File Name:	**7006-05.DOC**
Revision Number:	**5.0**
Effective Date:	**March 12, 2001**
Review Date:	**May 17, 2005**

Document Control Number: **7006**

5.2 Cerophyll®

5.2.1 Add 5g Cerophyll® to 1 L deionized water. Mix in a blender on high speed for 5 minutes.

5.2.2 Remove from blender and allow to settle in refrigerator overnight.

5.2.3 Retain supernatant for combined YCT food.

5.3 Yeast

5.3.1 Add 5g dry yeast to 1 L deionized water. Mix in a blender at low speed.

5.3.2 Do not allow mixture to settle.

5.4 Combined YCT Food

5.4.1 Mix equal parts of each of the above preparations in large clean beakers.

5.4.2 Pour well mixed YCT into small screw cap bottles. Freeze until needed.

SGS Environmental Services Inc.
Standard Operating Procedure

Document Title:	**Reference Toxicant Testing**
Method Reference:	**SGS/USEPA**
Document File Name:	**7008-05.DOC**
Revision Number:	**5.0**
Effective Date:	**July 31, 2001**
Review Date	**May 17, 2005**

UNCONTROLLED COPY

Document Control Number: 7008

Approved by: _____ Supervisor — 5-17-5 Date

Approved by: Jeanne Patterson QA/QC Manager — 5-17-05 Date

1.0 Summary

To insure that healthy organisms are used in testing, SGS performs monthly QA/QC tests on all in-house cultured organisms. SGS uses sodium chloride as a reference toxicant.

2.0 Apparatus

2.1 Disposible plastic beakers

2.2 Disposible plastic medicine cups

2.3 Pipettes

2.4 pH meter

2.5 Dissolved oxygen (DO) meter

3.0 Reagents

3.1 Moderately hard synthetic water (refer to document control number 7005, *Culture Waters for Aquatic Toxicity Testing*)

3.2 Sodium Chloride (NaCl), reagent grade, Baker

4.0 Method

4.1 *Pimephales promelas* (fathead minnows)

4.1.1 48-hour static acute toxicity tests are run at 20°C (±1°C) using fish that are from 1 to 14 days old.

4.1.2 This test consists of a control and a dilution series of 10g/L, 9g/L, 8g/L, 7g/L, and 6g/L, of sodium chloride. Other dilution series may be used.

4.1.3 The dilutions are prepared in 800 ml disposable plastic beakers using moderately hard synthetic water. 500 mls of test solution is placed in each of two replications. Water quality values are measured and recorded at this time.

4.1.4 Ten organisms are placed in each replicate. Fish are loaded by first siphoning them into a shallow pan from which they are transferred to the beakers with a large bore pipette.

4.1.5 The test is terminated at 48 hours. At this time, mortalities are recorded along with final water quality data.

4.2 Daphnids *(Ceriodaphnia dubia, Daphnia magna, Daphnia pulex)*

4.2.1 48-hour static acute tests are performed at 25°C (±1°C) using organisms less than 24 hours old.

4.2.2 These tests consist of a control and a five dilution series. The concentration of the reference toxicant is varied depending on species.

4.2.2.1 *Ceriodaphnia dubia, Daphnia pulex:*

dilutions of 3.0 g/L, 2.5 g/L, 2.0 g/L, 1.5 g/L, 1.0 g/L

4.2.2.2 *Daphnia magna:*

dilutions of 5.0 g/L, 4.0 g/L, 3.0 g/L, 2.0 g/L, 1.0 g/L

4.2.3 Dilutions are prepared using moderately hard synthetic water. 20 mls of each dilution are placed in each of 5 plastic medicine cups.

4.2.4 Four organisms are placed in each test vessel. The *Daphnids* are loaded with a disposable plastic pipette. Organisms are gently released below the surface of the water to minimize risk of injury.

4.2.5 The test is terminated at 48 hours. At this time, mortalities are recorded along with final water quality data.

5.0 Data Analysis

5.1 Toxicity tests are conducted on a monthly basis.

5.2 The median lethal concentration (LC_{50}) is calculated according to EPA protocols.

5.3 Results from these tests are incorporated into Q-sum charts. These records are kept in monthly files.

6.0 Definitions

6.1 Median lethal concentrations (LC_{50}) -- the concentration that is calculated to be lethal to 50 percent of the organisms within the test period.

SGS Environmental Services Inc.
Standard Operating Procedure

Document Title:	**Sample Handling for Aquatic Toxicity Testing**
Method Reference:	**SGS/USEPA**
Document File Name:	**7009-04.DOC**
Revision Number:	**4.0**
Effective Date:	**October 20, 1998**
Review Date:	**May 17, 2005**

UNCONTROLLED COPY

Document Control Number: 7009.04

Approved by: _____ Supervisor — 5-12-5 Date

Approved by: _____ QA/QC Officer — 5-17-05 Date

1.0 Summary

This document describes the manner in which sample waters (effluents, wastewaters, etc.) are handled from point of collection to testing.

2.0 Sample Handling

2.1 Sampling Personnel

SGS's sampling personnel are trained and experienced in the techniques for collecting samples according to NPDES permit requirements. This includes the use of automatic sampling equipment and the measurement of various field parameters.

2.2 Sample Containers

Sample containers used by SGS are disposable plastic cubitainers®.

2.3 Sample Collection Points

For NPDES permit required tests, the sample will be collected at the point specified in the discharge permit unless otherwise directed by the regulatory agency.

2.4 Sample Shipment

Samples are placed on ice (sufficient to maintain 0-4°C) in a cooler and are transported as quickly as possible to the laboratory.

2.5 Laboratory Handling of Samples

Upon delivery to the laboratory, the effluent samples are inspected, given a sample control number and stored at 4° C until used for testing.

2.6 Sample Holding Time

Samples will be tested within 24 hours upon receipt in the laboratory. The maximum lapsed time for collection of a grab or composite sample and the initiation of test, or for test solution renewal, will not exceed 36-hours for Chronic and Acute Testing.

3.0 LABORATORY ENVIRONMENT

3.1 Laboratory Arrangement

The aquatic toxicity testing laboratory is divided into two separate areas: (1) the culturing laboratory and (2) the testing laboratory. See attached diagram for details of laboratory layout.

3.2 Temperature

The aquatic toxicity testing laboratory air temperature is maintained at 20 ± 1° C throughout the year by a central heating and cooling system which is regulated by thermostats. Temperatures are continuously recorded by thermographs.

3.3 Water

Several waters are available for use in the laboratory. SGS has access to municipally supplied water, well water and reagent water from which synthetic water is prepared. Waters used for culturing and testing are analyzed semiannually for priority pollutants and other contaminants. A detailed report is available.

3.4 Lighting

Ambient laboratory lighting is regulated with a 16 hour day/8 hour night photoperiod controlled by an electronic timing system in the culturing and testing areas.

4.0 LABORATORY EQUIPMENT

4.1 General

Instruments used for the measurement of physical and chemical parameters are calibrated prior to use in testing. Any instrument that exceeds the calibration limits is taken out of service and corrective action is taken.

4.2 Balances

Analytical balances are calibrated against standard weights prior to use. All calibration results and adjustments are recorded in bound books.

4.3 Water Quality Meters

Meters are calibrated prior to use using known standards and the manufacturer's instructions. Records of calibration are kept in logbooks. Detailed procedures for the operation of these meters are found in SOP's for each specific instrument.

4.4 Reagents

All reagents are stored in a separate area. Expired reagents and chemicals are discarded.

4.5 Test Containers

All test containers are either clean reusable glassware or new, disposable plastic beakers.

5.0 EQUIPMENT CLEANING PROCEDURES

5.1 Equipment used in culturing or testing is washed in the following manner:

5.1.1 Soak 15 minutes and scrub with detergent in tap water.
5.1.2 Rinse three times with tap water.
5.1.3 Rinse once with 20% nitric acid.
5.1.4 Rinse twice with deionized water.
5.1.5 Rinse once with full-strength, pesticide-grade acetone.
5.1.6 Rinse well with deionized water.
5.1.7 Invert and air dry.
5.1.8 All equipment and test chambers are rinsed with deionized water immediately prior to use for each test.

Appendix II
Chains of Custody

1A5-GO-P179-1/2

Chain of Custody Record

General Electric Co.

100 Woodlawn Ave. Pittsfield, MA 01201

Chain of Custody #: OBG071105

July 2005 Chronic Toxicity - Comp. # 1

Split Sample AD TOX + Chronic TOX #1

Project # NPDES PERMIT	Analytical Lab: CT&E Environmental Services Inc.			Sampled By: (Print) Mark Wasnewsky		
Sample #	Date	Time	Containers	Parameters to be Analyzed	Preservative	Remarks
1 A6605C	7/10 to 7/11/05	1100 AM	1 Gallon plastic	Definitive Test(NOCEL), Static reproductive chronic toxicity, 7-day w/Ceriodaphnia	Chilled	(See below)
1 A6605C	↓ to ↓	↓	1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
1 A6605C	↓ to ↓	↓	500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	
2 A6604R	7/11/05	900 AM	1 Gallon plastic	Housatonic River water dilution water for chronic test	Chilled	
2 A6604R	↓	↓	1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
2 A6604R	↓	↓	500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	

Relinquished By:	Date/Time	Received By:	Date/Time
Mark Wasnewsky	7-11-05		7-11-05 1400
Relinquished By:	Date/Time	Received By:	Date/Time
	7-11-05 1430	Robin Hambrick	7-12-05 10:10

Additional Comments: The effluent sample being analyzed for toxicity is a flow-proportioned composite. Each outfall sample is a 24-hour composite. The sample collection times for each outfall are as follows:

001- 745 AM ~~004~~ 005-64T- 700 AM 005-64G- 700 AM ~~007~~ ~~09A~~ ~~09B~~

UPS

4.0°C

The time of compositing the final flow-proportioned sample was 1100 A.M.

CT

1A5-GO-P179-3/4

Chain of Custody Record

General Electric Co.

100 Woodlawn Ave. Pittsfield, MA 01201

Chain of Custody #: OBG021305

JULY 2005 Chronic Toxicity - Comp. # 2

Project # NPDES PERMIT	Analytical Lab: CT&E Environmental Services Inc.			Sampled By: (Print) Mark Wasnewsky		
Sample #	Date	Time	Containers	Parameters to be Analyzed	Preservative	Remarks
3 A6615C	7/12 to 7/13/05	1100 AM	1 Gallon plastic	Definitive Test(NOCEL), Static reproductive chronic toxicity, 7-day w/Ceriodaphnia	Chilled	(See below)
3 A6615C	↓ to ↓	↓	1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
3 A6615C	↓ to ↓	↓	500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	
4 A6614R	7-13-05	815 AM	1 Gallon plastic	Housatonic River water dilution water for chronic test	Chilled	
4 A6614R	↓	↓	1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
4 A6614R	↓	↓	500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	

Relinquished By:	Date/Time	Received By:	Date/Time
Mark Wasnewsky	7-13-05		7-13-05 1400
Relinquished By:	Date/Time	Received By:	Date/Time
	7-13-05 1430	Robin Hamburck	7-14-05 9:45

Additional Comments: The effluent sample being analyzed for toxicity is a flow-proportioned composite. Each outfall sample is a 24-hour composite. The sample collection times for each outfall are as follows:

001- 745 AM ~~004~~ 005-64T- 700 AM 005-64G- 700 AM ~~007~~ ~~09A~~ ~~09B~~ 3.9°C

The time of compositing the final flow-proportioned sample was 1100 **A.M.**

52

TA5-GO-P179 -5/6

Chain of Custody Record
General Electric Co.
100 Woodlawn Ave. Pittsfield, MA 01201

Chain of Custody #: OBG071505

July 2005 Chronic Toxicity - Comp. # 3

Project # NPDES PERMIT	Analytical Lab: CT&E Environmental Services Inc.			Sampled By: (Print) Mark Wasnewsky		
Sample #	Date	Time	Containers	Parameters to be Analyzed	Preservative	Remarks
5 A6626C	7/14 to 7/15/05	1100 AM	1 Gallon plastic	Definitive Test(NOCEL), Static reproductive chronic toxicity, 7-day w/Ceriodaphnia	Chilled	(See below)
5 A6626C	to		1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
5 A6626C	to		500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	
6 A6625R	7/15/05	815 AM	1 Gallon plastic	Housatonic River water dilution water for chronic test	Chilled	
6 A6625R			1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
6 A6625R			500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	

Relinquished By:	Date/Time	Received By:	Date/Time
Mark Wasnewsky	7-15-05		7-15-05 1480
Relinquished By:	Date/Time	Received By:	Date/Time
	7-15-05 1430	Robin Hambrick	7-16-05 9:10

Additional Comments: The effluent sample being analyzed for toxicity is a flow-proportioned composite. Each outfall sample is a 24-hour composite. The sample collection times for each outfall are as follows:

001- 745 AM ~~004~~ 005-64T- 700 AM 005-64G- 700 AM ~~007-~~ ~~09A-~~ 09B- 800 AM 3.6°C

The time of compositing the final flow-proportioned sample was 1100 A.M.

CT
CO

Appendix III

Bench Data

General Electric – 7-Day Chronic Biotoxicity Bench Sheet

Client: General Electric

Project: _____ Lab. No.: TAS-GO-P179-001/002

Date Received: 07/12/05

Sample Date: 07/10-11/05 Time: 11:00 Date Analyzed: 07/12/05

Source: Effluent composite Analyst(s): KH

Source of dilution water: Housatonic River

Test Species: *Ceriodaphnia dubia* Age: < 24 hrs Temp. Range: °C

Type of Test: 7-day chronic

Total Chlorine: n/d

	Beginning	Ending
Date:	07/12/05	07/13/05
Time:	1100	1100

Concentration→	Housatonic River Control	MHSW Control	MHSW $Na_2S_2O_3$ Control	Effluent 6.25%	Effluent 12.5%	Effluent 25%	Effluent 50%	Effluent 75%	Effluent 100%
Initial									
Temperature	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
Hardness	100	110	110						290
D.O.	8.88	8.74	8.80	8.80	8.74	8.70	8.68	8.60	8.54
pH	6.51	7.09	7.15	6.61	6.68	6.77	6.93	7.07	7.18
Alkalinity	74	64	66						359
Sp. Conduct.	210	319	328	269	331	508	722	913	1193
End									
No. Surviving	10	10	10	10	10	10	10	10	10
Temperature	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
D.O.	8.68	8.67	8.72	8.70	8.79	8.64	8.58	8.54	8.56
pH	6.60	7.14	7.19	6.69	6.73	6.83	6.98	7.13	7.23
Sp. Conduct.	221	329	322	274	341	513	733	922	1180

DAY 1

Method Reference: *Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms.*, Fourth Edition. EPA-821-R-02-013 U.S.EPA, Washington, DC

f:\public\forms\bioassay\GE bench sheet-chronic.doc

General Electric – 7-Day Chronic Biotoxicity Bench Sheet

Client: General Electric
Project: _____ Lab. No.: TAS-GO-P179-001/002
Date Received: 07/12/05
Sample Date: 07/10-11/05 Time: 11:00 Date Analyzed: 07/13/05
Source: Effluent composite Analyst(s): KH
Source of dilution water: Housatonic River
Test Species: *Ceriodaphnia dubia* Age: < 24 hrs Temp. Range: °C
Type of Test: 7-day chronic

Total Chlorine: n/d

	Beginning	Ending
Date:	07/13/05	07/14/05
Time:	1100	1100

Concentration→	Housatonic River Control	MHSW Control	MHSW $Na_2S_2O_3$ Control	Effluent 6.25%	Effluent 12.5%	Effluent 25%	Effluent 50%	Effluent 75%	Effluent 100%
Initial									
Temperature	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
Hardness	90	100	110						270
D.O.	8.77	8.79	8.87	8.78	8.74	8.75	8.71	8.73	8.69
pH	6.60	7.10	7.15	6.81	6.94	7.04	7.17	7.22	7.27
Alkalinity	71	64	66						349
Sp. Conduct.	207	313	324	281	329	530	746	960	1162
End									
No. Surviving	10	10	10	10	10	10	10	10	10
Temperature	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
D.O.	8.61	8.65	8.71	8.64	8.62	8.62	8.65	8.63	8.54
pH	6.69	7.17	7.20	6.89	7.00	7.09	7.21	7.25	7.34
Sp. Conduct.	213	320	332	294	335	537	744	969	1150

DAY 2

Method Reference: *Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms.*, Fourth Edition. EPA-821-R-02-013 U.S.EPA, Washington, DC

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General Electric – 7-Day Chronic Biotoxicity Bench Sheet

Client: General Electric
Project: _____ Lab. No.: TAS-GO-P179-003/004
Date Received: 07/14/05
Sample Date: 07/12-13/05 Time: 1100 Date Analyzed: 07/14/05
Source: Effluent composite Analyst(s): KH
Source of dilution water: Housatonic River
Test Species: *Ceriodaphnia dubia* Age: < 24 hrs Temp. Range: °C
Type of Test: 7-day chronic

Total Chlorine: n/d

	Beginning	Ending
Date:	07/14/05	07/15/05
Time:	1100	1100

Concentration→	Housatonic River Control	MHSW Control	MHSW $Na_2S_2O_3$ Control	Effluent 6.25%	Effluent 12.5%	Effluent 25%	Effluent 50%	Effluent 75%	Effluent 100%
Initial									
Temperature	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
Hardness	180	100	100						380
D.O.	8.88	8.70	8.76	8.86	8.82	8.85	8.82	8.80	8.80
pH	6.72	7.04	7.12	6.87	7.00	7.12	7.28	7.34	7.47
Alkalinity	83	67	69						217
Sp. Conduct.	232	317	324	209	410	628	782	984	1167
End									
No. Surviving	10	10	10	10	10	10	10	10	10
Temperature	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
D.O.	8.61	8.54	8.59	8.63	8.65	8.60	8.60	8.62	8.62
pH	6.80	7.09	7.17	6.94	7.08	7.10	7.33	7.40	7.43
Sp. Conduct.	241	322	333	314	421	622	794	977	1130

DAY 3

Method Reference: *Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms.*, Fourth Edition. EPA-821-R-02-013 U.S.EPA, Washington, DC

f:\public\forms\bioassay\GE bench sheet-chronic.doc

General Electric – 7-Day Chronic Biotoxicity Bench Sheet

Client: General Electric
Project: _____ Lab. No.: TAS-GO-P179-003/004
Date Received: 07/14/05
Sample Date: 07/12-13/05 Time: 1100 Date Analyzed: 07/15/05
Source: Effluent composite Analyst(s): KH
Source of dilution water: Housatonic River
Test Species: *Ceriodaphnia dubia* Age: < 24 hrs Temp. Range: °C
Type of Test: 7-day chronic

Total Chlorine: _____

	Beginning	Ending
Date:	07/15/05	07/16/05
Time:	1100	1100

Concentration→	Housatonic River Control	MHSW Control	MHSW $Na_2S_2O_3$ Control	Effluent 6.25%	Effluent 12.5%	Effluent 25%	Effluent 50%	Effluent 75%	Effluent 100%
Initial									
Temperature	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
Hardness	190	110	110						390
D.O.	8.81	8.77	8.79	8.80	8.83	8.85	8.87	8.93	8.91
pH	6.69	7.07	7.13	6.80	6.93	7.19	7.33	7.45	7.52
Alkalinity	87	67	69						281
Sp. Conduct.	217	310	320	206	343	567	871	1022	1132
End									
No. Surviving	10	10	10	10	10	10	10	10	10
Temperature	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
D.O.	8.70	8.63	8.62	8.68	8.70	8.73	8.70	8.81	8.80
pH	6.74	7.12	7.22	6.89	6.98	7.24	7.42	7.55	7.50
Sp. Conduct.	229	314	329	281	358	581	866	1029	1109

DAY Day 4

Method Reference: *Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms.*, Fourth Edition. EPA-821-R-02-013 U.S.EPA, Washington, DC

General Electric – 7-Day Chronic Biotoxicity Bench Sheet

Client: General Electric
Project: _____ Lab. No.: TAS-GO-0179-005/006
Date Received: 07/16/05
Sample Date: 07/14-15/05 Time: 1100 Date Analyzed: 07/16/05
Source: Effluent composite Analyst(s): KH
Source of dilution water: Housatonic River
Test Species: *Ceriodaphnia dubia* Age: < 24 hrs Temp. Range: °C
Type of Test: 7-day chronic

Total Chlorine: n/d

	Beginning	Ending
Date:	07/16/05	07/17/05
Time:	1100	1100

Concentration→	Housatonic River Control	MHSW Control	MHSW $Na_2S_2O_3$ Control	Effluent 6.25%	Effluent 12.5%	Effluent 25%	Effluent 50%	Effluent 75%	Effluent 100%
Initial									
Temperature	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
Hardness	160	110	100						310
D.O.	9.04	8.79	8.73	8.97	8.90	8.86	8.86	8.81	8.71
pH	6.48	7.10	7.13	7.06	7.18	7.21	7.30	7.37	7.40
Alkalinity	97	64	65						260
Sp. Conduct.	267	320	323	317	359	547	623	804	978
End									
No. Surviving	10	10	10	10	10	10	10	10	10
Temperature	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
D.O.	8.90	8.61	8.67	8.86	8.81	8.80	8.78	8.75	8.61
pH	7.03	7.05	7.10	7.14	7.25	7.30	7.31	7.35	7.38
Sp. Conduct.	278	329	339	323	367	541	634	816	970

DAY 5

Method Reference: *Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms.*, Fourth Edition. EPA-821-R-02-013 U.S.EPA, Washington, DC

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General Electric – 7-Day Chronic Biotoxicity Bench Sheet

Client: General Electric

Project: _____ Lab. No.: TAS-GO-P179-005/006

Date Received: 07/16/05

Sample Date: 07/14-15/05 Time: 1100 Date Analyzed: 07/17/05

Source: Effluent composite Analyst(s): KH

Source of dilution water: Housatonic River

Test Species: *Ceriodaphnia dubia* Age: < 24 hrs Temp. Range: °C

Type of Test: 7-day chronic

Total Chlorine: _____

	Beginning	Ending
Date:	07/17/05	07/18/05
Time:	1100	1100

Concentration→	Housatonic River Control	MHSW Control	MHSW $Na_2S_2O_3$ Control	Effluent 6.25%	Effluent 12.5%	Effluent 25%	Effluent 50%	Effluent 75%	Effluent 100%
Initial									
Temperature	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Hardness	180	100	110						300
D.O.	8.85	8.76	8.78	8.86	8.85	8.83	8.80	8.82	8.78
pH	6.92	7.10	7.12	7.07	7.17	7.22	7.25	7.33	7.37
Alkalinity	90	64	66						253
Sp. Conduct.	254	311	318	302	394	482	577	784	960
End									
No. Surviving	10	10	10	10	10	10	10	10	10
Temperature	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
D.O.	8.63	8.58	8.61	8.77	8.71	8.70	8.70	8.68	KH ~~7.42~~ 8.67
pH	6.93	7.14	7.19	7.14	7.24	7.30	7.29	7.37	7.42
Sp. Conduct.	266	319	328	312	391	507	589	797	970

DAY 6

Method Reference: *Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms.*, Fourth Edition. EPA-821-R-02-013 U.S.EPA, Washington, DC

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General Electric – 7-Day Chronic Biotoxicity Bench Sheet

Client: General Electric
Project:
Lab. No.: TAT-GO-P179-005/0006
Sample Date: 07/14-15/05 Time: 1100
Date Received: 07/16/05
Source: Effluent composite
Date Analyzed: 07/18/05
Source of dilution water: Housatonic River
Analyst(s): KH
Test Species: *Ceriodaphnia dubia* Age: < 24 hrs Temp. Range: °C
Type of Test: 7-day chronic
Total Chlorine:

	Beginning	Ending
Date:	07/18/05	07/19/05
Time:	1100	1100

Concentration→	Housatonic River Control	MHSW Control	MHSW $Na_2S_2O_3$ Control	Effluent 6.25%	Effluent 12.5%	Effluent 25%	Effluent 50%	Effluent 75%	Effluent 100%
Initial									
Temperature	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
Hardness	170	100	110						300
D.O.	9.02	8.81	8.83	8.92	8.94	8.94	8.93	8.90	8.84
pH	7.03	7.03	7.10	7.10	7.15	7.22	7.27	7.33	7.32
Alkalinity	93	64	67						254
Sp. Conduct.	254	308	317	294	368	443	613	792	981
End									
No. Surviving	10	10	10	10	10	10	10	10	10
Temperature	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
D.O.	8.86	8.70	8.64	8.81	8.78	8.80	8.81	8.77	8.75
pH	7.08	7.10	7.20	7.19	7.23	7.28	7.31	7.39	7.39
Sp. Conduct.	267	319	327	300	374	446	628	808	997

DAY 7

Method Reference: *Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms.*, Fourth Edition. EPA-821-R-02-013 U.S.EPA, Washington, DC

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Biotoxicity Bench Sheet

Lab. No. TAC-EO-P179 Test Organism CD Start Date: 07/12/05 Time: 1100
Client: GE Lot No. End Date: 07/19/05 End Time 1100
Effluent/Sample EFD Age: <24 hrs Investigators KH

Conc. Control	Day	Replicate 1	2	3	4	5	6	7	8	9	10	No. of Young	No. of Adults	Young per Adult
	1													
	2													
	3													
	4	5	4	5	4	5	4	4	4	4	3			
	5	7	12	0	0	0	12	0	0	0	12			
	6	2	0	11	9	11	0	11	10	11	0			
	7	10	10	13	13	14	12	12	11	15	13			
	8													
	total	24	26	29	26	30	28	27	25	30	28	273	10	27.3

Conc. 2°Control	Day	Replicate 1	2	3	4	5	6	7	8	9	10	No. of Young	No. of Adults	Young per Adult
	1													
	2													
	3													
	4	4	4	5	1	3	5	4	3	3	0			
	5	0	8	0	9	0	0	11	8	0	3			
	6	9	0	10	0	11	9	0	0	12	10			
	7	12	10	16	9	10	11	13	12	15	13			
	8													
	total	25	22	31	19	24	25	28	23	30	26	253	10	25.3

Conc. 2°Control+	Day	Replicate 1	2	3	4	5	6	7	8	9	10	No. of Young	No. of Adults	Young per Adult
	1													
	2													
	3													
	4	4	5	5	4	0	5	3	3	5	5			
	5	0	6	0	0	8	0	12	0	3	0			
	6	13	0	10	9	11	9	0	10	0	10			
	7	12	11	12	13	12	12	9	15	13	11			
	8													
	total	29	22	27	26	31	26	24	28	21	26	260	10	26.0

Biotoxicity Bench Sheet

Lab. No. TAS-GO-P171 Test Organism CD Start Date: 07/12/05 Time: 1100
Client: GE Lot No. End Date: 07/19/05 End Time 1100
Effluent/Sample EFF Age: <24 hrs Investigators KH

Conc. 6.25%	Day	Replicate 1	2	3	4	5	6	7	8	9	10	No. of Young	No. of Adults	Young per Adult
	1													
	2													
	3													
	4	0	5	4	4	0	2	4	5	5	3			
	5	0	0	8	0	3	0	0	0	0	8			
	6	4	11	0	7	9	11	9	12	12	0			
	7	13	13	10	14	13	12	13	14	11	12			
	8													
	total	17	29	22	25	25	25	26	31	28	23	251	10	25.1

Conc. 12.5%	Day	Replicate 1	2	3	4	5	6	7	8	9	10	No. of Young	No. of Adults	Young per Adult
	1													
	2													
	3													
	4	3	2	2	4	4	4	5	4	2	5			
	5	0	10	0	0	0	0	0	3	11	0			
	6	8	0	9	11	9	9	9	0	0	12			
	7	12	13	8	13	12	13	9	12	12	14			
	8													
	total	23	25	19	28	25	26	23	19	25	31	244	10	24.4

Conc. 25%	Day	Replicate 1	2	3	4	5	6	7	8	9	10	No. of Young	No. of Adults	Young per Adult
	1													
	2													
	3													
	4	3	4	3	4	5	3	3	5	5	5			
	5	11	0	0	0	7	0	5	0	2	0			
	6	0	15	9	8	0	8	0	14	0	10			
	7	10	10	9	13	12	12	14	13	12	10			
	8													
	total	24	29	21	25	24	23	22	32	19	25	244	10	24.4

Biotoxicity Bench Sheet

Lab. No. TAS-GO-P179 Test Organism CD Start Date: 07/12/05 Time: 1100
Client: GE Lot No. End Date: 07/19/05 End Time 1100
Effluent/Sample EFF Age: <24 hrs Investigators KH

Conc. 50%	Day	Replicate 1	2	3	4	5	6	7	8	9	10	No. of Young	No. of Adults	Young per Adult
	1													
	2													
	3													
	4	3	4	5	4	2	4	3	4	5	6			
	5	0	10	0	0	11	0	0	8	0	0			
	6	11	0	9	9	0	9	9	0	7	7			
	7	12	8	11	6	15	12	11	12	13	12			
	8													
	total	26	22	25	19	28	25	23	24	25	25	242	10	24.2

Conc. 75%	Day	Replicate 1	2	3	4	5	6	7	8	9	10	No. of Young	No. of Adults	Young per Adult
	1													
	2													
	3													
	4	4	5	4	4	5	5	3	2	5	6			
	5	8	0	6	0	0	11	11	10	0	0			
	6	0	9	0	12	10	0	0	0	10	9			
	7	10	9	13	10	13	10	8	9	12	14			
	8													
	total	22	23	23	26	28	26	22	21	27	29	247	10	24.7

Conc. 100%	Day	Replicate 1	2	3	4	5	6	7	8	9	10	No. of Young	No. of Adults	Young per Adult
	1													
	2													
	3													
	4	4	5	4	4	4	4	4	4	5	4			
	5	9	0	8	10	9	0	6	0	0	0			
	6	0	11	0	0	0	10	0	9	8	9			
	7	13	15	13	13	13	13	12	14	12	13			
	8													
	total	26	31	25	27	26	27	22	27	25	26	262	10	26.2

Appendix IV
Statistical Sheets

Title: GE JULY 2005
File: GECDREP .705 Transform: NO TRANSFORMATION

Kolmogorov Test for Normality

D = 0.0950 (p-value = 0.0436)
D* = 0.9088

Critical D* = 1.035 (alpha = 0.01 , N = 90)
= 0.895 (alpha = 0.05 , N = 90)

Data PASS normality test (alpha = 0.01). Continue analysis.

Title: GE JULY 2005
File: GECDREP .705 Transform: NO TRANSFORMATION

Bartlett's Test for Homogeneity of Variance

Calculated B1 statistic = 7.6705 (p-value = 0.4663)

Data PASS B1 homogeneity test at 0.01 level. Continue analysis.

Critical B = 20.0902 (alpha = 0.01, df = 8)
= 15.5073 (alpha = 0.05, df = 8)

Title: GE JULY 2005
File: GECDREP .705 Transform: NO TRANSFORMATION

ANOVA Table

SOURCE	DF	SS	MS	F
Between	8	85.2889	10.6611	1.0751
Within (Error)	81	803.2000	9.9160	
Total	89	888.4889		

(p-value = 0.3888)

Critical F = 2.7390 (alpha = 0.01, df = 8,81)
= 2.0549 (alpha = 0.05, df = 8,81)

Since F < Critical F FAIL TO REJECT Ho: All equal (alpha = 0.05)

Title: GE JULY 2005
File: GECDREP .705 Transform: NO TRANSFORMATION

Dunnett's Test - TABLE 1 OF 2 Ho:Control<Treatment

GROUP	IDENTIFICATION	TRANSFORMED MEAN	MEAN CALCULATED IN ORIGINAL UNITS	T STAT	SIG 0.05
1	CONTROL	27.3000	27.3000		
2	CONTROL+	26.0000	26.0000	0.9231	
3	2' CONTROL	25.3000	25.3000	1.4202	
4	6.25%	25.1000	25.1000	1.5622	
5	12.5%	24.4000	24.4000	2.0593	
6	25%	24.4000	24.4000	2.0593	
7	50%	24.2000	24.2000	2.2013	
8	75%	24.7000	24.7000	1.8462	
9	100%	26.2000	26.2000	0.7811	

Dunnett critical value = 2.4400 (1 Tailed, alpha = 0.05, df [used] = 8,60)
(Actual df = 8,81)

Title: GE JULY 2005
File: GECDREP .705 Transform: NO TRANSFORMATION

Dunnett's Test - TABLE 2 OF 2 Ho:Control<Treatment

GROUP	IDENTIFICATION	NUM OF REPS	MIN SIG DIFF (IN ORIG. UNITS)	% OF CONTROL	DIFFERENCE FROM CONTROL
1	CONTROL	10			
2	CONTROL+	10	3.4362	12.6	1.3000
3	2' CONTROL	10	3.4362	12.6	2.0000
4	6.25%	10	3.4362	12.6	2.2000
5	12.5%	10	3.4362	12.6	2.9000
6	25%	10	3.4362	12.6	2.9000
7	50%	10	3.4362	12.6	3.1000
8	75%	10	3.4362	12.6	2.6000
9	100%	10	3.4362	12.6	1.1000

Appendix V

U.S. EPA Region I Toxicity Test Summary

Toxicity Test Summary Sheet

Facility Name: General Electric Co. Test Start Date: July 12, 2005
NPDES Permit Number: MA 000 3891 Pipe Number: 001, 005-64T, 005-64G, 09A, 09B

Test Type	Test Species	Sample Type	Sample Method
☐ Acute	☐ Fathead minnow	☐ Prechlorinated	☐ Grab
☑ Chronic	☐ Ceriodaphnia	☐ Dechlorinated	☑ Composite
☐ Modified*	☑ Ceriodaphnia dubia	☐ Chlorine	☐ Flow thru
☐ 24-hour Screening	☐ Mysid Shrimp	☐ Spiked at lab	☐ Other
	☐ Menidia	☑ Chlorinated on-site	
	☐ Sea Urchin	☐ Unchlorinated	
	☐ Champia		
	☐ Selenastrum		
	☐ other		

*Modified (Chronic reporting acute values)

Dilution Water

_X_ Receiving waters collected at a point upstream of or away from the discharge, free from toxicity or other sources of contamination (Receiving water name: Housatonic River);

____ Alternate surface water of known quality and a harness, etc. to generally reflect the characteristics of the receiving water;

____ Synthetic water prepared using either Millipore Mill-Q or equivalent deionized water and reagent grade chemicals; or deionized water combined with mineral water;

____ or artificial sea salts mixed with deionized water;

____ Deionized water and hypersaline brine; or

____ other

Effluent sampling date(s): July 10, 2005 to July 15, 2005

Effluent concentrations tested (in %): 100 75 50 25 12.5 6.25
*(Permit limit concentration): N/A

Was effluent salinity adjusted? No
If yes, to what value? N/A ppt
With sea salts? N/A Hypersaline brine solution? N/A

Actual effluent concentrations tested after salinity adjustment (in %): N/A N/A N/A N/A N/A N/A
Reference Toxicant Test Date: July 06, 2005 to July 13, 2005

Permit Limits & Test Results

Test Acceptability Criteria

MEAN CONTROL SURVIVAL: ≥90% MEAN CONTROL REPRODUCTION: N/A

MEAN CONTROL WEIGHT: N/A MEAN CONTROL CELL COUNT: N/A

Limits		Results	
LC_{50}	N/A	48-hr LC_{50}	>100%
		Upper Value	N/A
		Lower Value	N/A
		Data Analysis Method used:	N/A
A-NOEC	N/A	A-NOEC	100%
C-NOEC	N/A	C-NOEC	100%
		LOEC	100%
IC25	N/A	IC25	N/A
IC50	N/A	IC50	N/A

N/A = not applicable

Appendix VI
7-Day Chronic Reference
Toxicity Test Data

Biotoxicity Bench Sheet

Lab. No.
Client: QC
Effluent/Sample NaCl
Test Organism CD
Lot No
Age: <24 hrs
Start Date: 07/06/05
End Date: 07/13/05
Investigators KH
Time: 1500
End Time 1500

Conc. Control	Day	Replicate 1	2	3	4	5	6	7	8	9	10	No. of Young	No. of Adults	Young per Adult
	1													
	2													
	3													
	4	4	3	4	3	3	5	4	3	4	3			
	5	0	6	0	0	0	0	9	8	0	0			
	6	7	10	7	10	9	6	0	12	9	12			
	7	12	11	10	14	11	12	10	0	11	13			
	8													
	total	23	24	21	27	23	23	23	23	24	28	239	10	23.9

Conc. ~~250 mg/L 6.25%~~	Day	Replicate 1	2	3	4	5	6	7	8	9	10	No. of Young	No. of Adults	Young per Adult
	1													
	2													
	3													
	4	5	4	3	3	4	3	4	3	4	3			
	5	8	0	9	0	0	0	0	0	0	0			
	6	0	9	0	10	8	10	8	7	10	9			
	7	13	12	14	12	13	12	12	11	12	11			
	8													
	total	26	25	26	25	25	25	24	21	26	23	246	10	24.6

Conc. ~~500 mg/L 12.5%~~	Day	Replicate 1	2	3	4	5	6	7	8	9	10	No. of Young	No. of Adults	Young per Adult
	1													
	2													
	3													
	4	4	5	3	4	5	4	5	4	5	4			
	5	0	9	0	0	0	9	1	0	0	0			
	6	7	0	8	X-10	9	0	9	8	7	9			
	7	13	14	12	↓	12	13	12	12	11	13			
	8													
	total	24	28	23	X-14	26	26	27	24	23	26	241	9	24.1

Biotoxicity Bench Sheet

Lab. No. _____ Test Organism CD Start Date: 07/6/05 Time: 1500
Client: QC Lot No. _____ End Date: 07/13/05 End Time 1500
Effluent/Sample NaCl Age. 22 4 48 Investigators KH

Conc. 1000 mg/L 25%	Day	Replicate 1	2	3	4	5	6	7	8	9	10	No. of Young	No. of Adults	Young per Adult
	1													
	2													
	3													
	4	2	3	3	2	0	0	0	0	3	3			
	5	0	0	0	0	2	4	3	X-0	0	0			
	6	1	X-0	4	X-2	0	0	0	↓	0	4			
	7	X-0	↓	0	↓	0	2	2	↓	2	0			
	8													
	total	X-3	X-3	7	X-4	2	6	5	X-0	5	7	42	7	6

Conc. 2000 mg/L 50%	Day	Replicate 1	2	3	4	5	6	7	8	9	10	No. of Young	No. of Adults	Young per Adult
	1													
	2													
	3													
	4	0	X-0	2	0	0	2	0	3	0	3			
	5	X-0	↓	0	3	0	0	0	0	1	X-0			
	6	↓	↓	X-0	X-0	X-0	X-0	0	X-0	X-0	↓			
	7	↓	↓	↓	↓	↓	↓	X-0	↓	↓	↓			
	8	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			
	total	X-0	X-0	X-2	X-3	X-0	X-2	X-0	X-3	X-2	X-3	15	0	

Conc. 4000 mg/L 100%	Day	Replicate 1	2	3	4	5	6	7	8	9	10	No. of Young	No. of Adults	Young per Adult
	1													
	2													
	3	X	X	X	X	X	X	X	X	X	X			
	4	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			
	5	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			
	6	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			
	7	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			
	8	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			
	total											0	0	0

Title: CD REFTOX JULY 2005
File: QCCDREP .705 Transform: NO TRANSFORMATION

Kolmogorov Test for Normality

D = 0.1446
D* = 1.0385 (p-value = 0.0106)

Critical D* = 1.035 (alpha = 0.01 , N = 50)
= 0.895 (alpha = 0.05 , N = 50)

Data FAIL normality test (alpha = 0.01). Try another transformation.

Warning - The first three homogeneity tests are sensitive to non-normality and should not be performed with this data as is.

Title: CD REFTOX JULY 2005
File: QCCDREP .705

Transform: NO TRANSFORMATION

Steel's Many-One Rank Test - Ho: Control<Treatment

GROUP	IDENTIFICATION	MEAN IN ORIGINAL UNITS	RANK SUM	CRIT. VALUE	DF	SIG 0.05
1	CONTROL	23.9000				
2	250 MG/L	24.6000	122.00	76.00	10.00	
3	500 MG/L	24.1000	118.00	76.00	10.00	
4	1000 MG/L	4.2000	55.00	76.00	10.00	*
5	2000 MG/L	1.5000	55.00	76.00	10.00	*

Critical values are 1 tailed (k = 4)

Title: CD REFTOX JULY 2005
File: QCCDREP .705

Transform: NO TRANSFORMATION

GRP	IDENTIFICATION	MEAN	SMOOTHED MEAN	CONCENTRATION
1	CONTROL	23.9000	24.2500	0.0000
2	250 MG/L	24.6000	24.2500	250.0000
3	500 MG/L	24.1000	24.1000	500.0000
4	1000 MG/L	4.2000	4.2000	1000.0000
5	2000 MG/L	1.5000	1.5000	2000.0000

ICp estimate with p = 25 is 648.5553

Bootstrap results using 480 iterations:

Mean = 639.8695 Standard Deviation = 16.8823
95% Confidence Interval: (593.7500 , 659.0325)

Acute Biotoxicity Bench Sheet

Client: QC

Project: Reference Toxicant Lab. No.:

Sample Date: Time: Date Received:

Source: NaCl Date Analyzed:

Source of dilution water: Moderately Hard Synthetic Water Analyst:

Test Species: Age: Temp. Range: °C

Type of Test:

Total Chlorine:

	Beginning	Ending
Date:	07/06/05	07/08/05
Time:		

Concentration	Control		500	1000	2000	3000	4000
START							
Temperature	24.4		24.4	24.4	24.4	24.4	24.4
Hardness	100						110
D.O.	8.7		8.7	8.7	8.7	8.7	8.7
pH	7.1		7.1	7.1	7.1	7.1	7.1
Alkalinity	63						69
Sp. Conduct.	317		2310	3920	5330	5920	7580
24 HOUR							
Temperature	25.4		25.4	25.4	25.4	25.4	25.4
No. Surviving	20		20	20	15	6	0
48 HOUR							
Temperature	25.8		25.8	25.8	25.8	25.8	25.8
No. Surviving	20		20	15	12	0	0

Note: All results expressed in mg/L unless otherwise designated. < = less than

Note: Number in parenthesis equals number not adversely effected (EC_{50}). This number is used in calculating EC_{50} value.

Note: Due to fragile structure of *Daphnia* organisms, dissolved oxygen (DO), hardness, alkalinity, specific conductance, and pH reading could not be taken after the organisms are added to the sample. Doing so would cause injury to the organisms.

Method Reference: *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms.*, Fifth Edition. EPA-821-R-02-012 U.S.EPA, Washington, DC

FOR REFERENCE, CITE:
HAMILTON, M.A., R.C. RUSSO, AND R.V. THURSTON, 1977.
TRIMMED SPEARMAN-KARBER METHOD FOR ESTIMATING MEDIAN
LETHAL CONCENTRATIONS IN TOXICITY BIOASSAYS.
ENVIRON. SCI. TECHNOL. 11(7): 714-719;
CORRECTION 12(4):417 (1978).

DATE: 7/6/05
CHEMICAL: NaCl

TEST NUMBER: -

DURATION: 48 HOURS
SPECIES: CD

RAW DATA:

CONCENTRATION(MG/L)	500.00	1000.00	2000.00	3000.00	4000.00
NUMBER EXPOSED:	20	20	20	20	20
MORTALITIES:	0	5	9	20	20
SPEARMAN-KARBER TRIM:		0.00%			

SPEARMAN-KARBER ESTIMATES: LC50: 1608.67
95% LOWER CONFIDENCE: 1341.62
95% UPPER CONFIDENCE: 1928.87
