Corporate Environmental Programs
General Electric Company
100 Woodlawn Avenue, Pittsfield, MA 01201

Transmitted via Overnight Courier

October 9, 2003

Mr. Bryan Olson
EPA Project Coordinator
U.S. Environmental Protection Agency
Region I
One Congress Street, Suite 1100
Boston, MA 02114-2023

Ms. Susan Steenstrup
Acting Section Chief, Special Projects
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 September 2003 (GECD900)

Dear Mr. Olson and Ms. Steenstrup:

Enclosed are copies of General Electric's (GE's) monthly progress report for September 2003 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 December 2000 Administrative Consent Order from MDEP.

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

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

Sincerely,

John F. Novotny, P.E.
Manager - Facilities and Brownfields Programs
V:\GE_General_Reports_MonthlyReports_2003\Letter.doc

cc: (w/o separate CD-ROM, except where noted)
Tim Conway, EPA (cover letter only)
Rose Howell (CD-ROM of Report)
Holly Inglis, EPA
Michael Nalipinski, EPA (hard copy of report, CD-ROM of report)
K.C. Mitkevicius, USACE (CD-ROM of Report)
Dawn Jamros, Weston (hard copy of report, CD-ROM of report, CD-ROM of data)
Robert Bell, MDEP (cover letter only)
Thomas Angus, MDEP (cover letter only)
Alan Weinberg, 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 - 15 only)
Dale Young, MA EOEA
Mayor Sara Hathaway, City of Pittsfield
Director, Pittsfield Economic Development Authority
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, Esq., Shea & Gardner
Jim Rhea, QEA (narrative only)
Teresa Bowers, Gradient
Public Information Repositories (6 copies)
GE Internal Repository (2 copies)

SEPTEMBER 2003

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)
SEPTEMBER 2003

a. Activities Undertaken/Completed

- Attended Pittsfield Citizens Coordinating Council (CCC) meeting (September 3, 2003).
- Continued GE-EPA electronic data exchanges for the Housatonic River Watershed and for Areas Outside the River.*

b. Sampling/Test Results Received

- Sample results were received for routine sampling conducted pursuant to GE's NPDES Permit for the GE facility. Sampling records and results are provided in Attachment A to this report.
- NPDES Discharge Monitoring Reports (DMRs) for the period of August 1 through August 31, 2003. Copies are provided in Attachment B to this report.
- A report entitled *Toxicity Evaluation of Wastewaters Discharged from the General Electric Plant; Pittsfield, Massachusetts (Samples Collected in September 2003)* was prepared for GE by CT&E Environmental Services, Inc (CT&E). A copy of that report is provided in Attachment C.
- A report entitled *Chronic Effects of the Process Wastewaters Discharged from the General Electric Plant; Pittsfield, Massachusetts (Samples collected in September 2003)* was prepared for GE by CT&E. A copy of the report is provided as Attachment D

c. Work Plans/Reports/Documents Submitted

None

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

- Attend public, Pittsfield CCC, and Pittsfield Economic Development Authority (PEDA) meetings as appropriate.*
- Continue NPDES sampling and monitoring activities.
- Submit annual update to GE's Field Sampling Plan/Quality Assurance Project Plan.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 1
PLANT AREA
20s, 30s, 40s COMPLEXES
(GECD120)
SEPTEMBER 2003

a. Activities Undertaken/Completed

- Continued demolition activities at the Building 33 and 34 Complexes and transport of certain debris to the On-Plant Consolidation Areas (OPCAs). Continued concrete crushing activities and regrading of materials as subgrade.
- Conducted ambient air monitoring for particulates at the Building 33/34 Complex.
- Completed demolition activities at Building 25 and initiated transport of debris to the OPCAs.
- Conducted ambient air monitoring for particulates and PCBs around Building 25.
- Completed removal of sludge and water mixture from Building 42 manholes (September 27, 2003).
-
- Conducted other miscellaneous sampling, identified in Table 1-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted a letter to EPA (September 29, 2003) providing copies of manifests for brake actuator assembly and drained oil, sent off-site for disposal.

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

- Complete demolition work at the Building 33/34 Complex.
- Initiate restoration activities at Building 25.
- Complete demolition debris transfer to the OPCAs.
- Initiate pre-demolition activities at Building 29B.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

ITEM 1
(cont'd)
PLANT AREA
20s, 30s, 40s COMPLEXES
(GECD120)
SEPTEMBER 2003

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

None

TABLE 1-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

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

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
31W Oil/Water Seperator Barrel Screen Room Sediment Sampling	31W-AREA#1-1	9/4/03	0-5.5	Sediment	CT&E	PCB	9/15/03
31W Oil/Water Seperator Barrel Screen Room Sediment Sampling	31W-AREA#2-1	9/4/03	0-1.5	Sediment	CT&E	PCB	9/15/03
31W Oil/Water Seperator Barrel Screen Room Sediment Sampling	31W-AREA#3-1	9/4/03	0-1	Sediment	CT&E	PCB	9/15/03
31W Oil/Water Seperator Barrel Screen Room Sediment Sampling	31W-BSR-C1	9/4/03	NA	Sediment	CT&E	TCLP	9/15/03
31W Oil/Water Seperator Barrel Screen Room Sediment Sampling	31W-DUP-1 (31W-AREA#1-1)	9/4/03	0-5.5	Sediment	CT&E	PCB	9/15/03
33A Asbestos Abatement Shower Water Drum Sampling	33A-A1159-WATER-1	9/8/03	NA	Water	CT&E	PCB	9/12/03
Building 25 Oil Pipe Sampling	BLDG25-OILPIPE-1	9/12/03	NA	Oil	CT&E	PCB	9/22/03
Building 25 Oil Pipe Sampling	BLDG25-OILPIPE-2	9/12/03	NA	Oil	CT&E	PCB	9/22/03
Building 42 Sludge Drum Sampling (GE Drums #A1122 & A1123)	BLD42-SLUDGE-C1	9/4/03	NA	Sludge	CT&E	Flash Point	9/10/03
Building 42 Sludge Drum Sampling (GE Drums #A1122 & A1123)	BLD42-SLUDGE-C1	9/4/03	NA	Sludge	CT&E	TCLP,VOC	9/10/03
Jacques Construction Backfill Sampling for Maxymillian Technologies	JACQUES-BACKFILL-C1	9/19/03	NA	Soil	CT&E	PCB, VOC, SVOC, Metals	9/30/03
Jacques Construction Topsoil Sampling for Maxymillian Technologies	JACQUES-TOPSOIL-C1	9/19/03	NA	Soil	CT&E	PCB, VOC, SVOC, Metals	9/30/03
Pittsfield Sand & Gravel Topsoil Sampling	PSG-TOPSOIL-C1	9/19/03	NA	Soil	CT&E	PCB, VOC, SVOC, Metals	9/30/03
PCB Ambient Air Sampling	Northwest of Bldg. 25	9/15 -9/16/03	NA	Air	Berkshire Environmental	PCB	9/22/03
PCB Ambient Air Sampling	East of Bldg. 25	9/15 -9/16/03	NA	Air	Berkshire Environmental	PCB	9/22/03
PCB Ambient Air Sampling	Southeast of Bldg. 25	9/15 -9/16/03	NA	Air	Berkshire Environmental	PCB	9/22/03
PCB Ambient Air Sampling	Southeast of Bldg. 25 colocated	9/15 -9/16/03	NA	Air	Berkshire Environmental	PCB	9/22/03
PCB Ambient Air Sampling	Background Inside GE Gate 31	9/15 -9/16/03	NA	Air	Berkshire Environmental	PCB	9/22/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 25	9/15/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	East of Bldg. 25	9/15/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 25	9/15/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 25	9/16/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	East of Bldg. 25	9/16/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 25	9/16/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 25	9/17/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	East of Bldg. 25	9/17/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 25	9/17/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 25	9/18/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	East of Bldg. 25	9/18/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 25	9/18/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 25	9/20/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	East of Bldg. 25	9/20/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 25	9/20/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 25	9/22/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	East of Bldg. 25	9/22/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 25	9/22/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 25	9/24/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	East of Bldg. 25	9/24/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 25	9/24/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 25	9/25/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	East of Bldg. 25	9/25/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 25	9/25/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	East of Bldg. 25	9/29/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 25	9/29/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 25	9/30/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	East of Bldg. 25	9/30/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 25	9/30/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/3/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Bldg. 33	9/3/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/3/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03

TABLE 1-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

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

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/3/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/5/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Bldg. 33	9/5/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/5/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/5/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/8/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Bldg. 33	9/8/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/8/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/8/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/9/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Bldg. 33	9/9/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/9/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/9/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/10/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Bldg. 33	9/10/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/10/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/10/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/11/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Bldg. 33	9/11/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/11/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/11/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/12/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Bldg. 33	9/12/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/12/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/12/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/15/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Bldg. 33	9/15/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/15/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/15/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/16/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Bldg. 33	9/16/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/16/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/16/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/17/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Bldg. 33	9/17/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/17/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/17/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/18/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Bldg. 33	9/18/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/18/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/18/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/22/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Bldg. 33	9/22/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/22/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/22/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/24/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Bldg. 33	9/24/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/24/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/24/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/25/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03

TABLE 1-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

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

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	Northeast of Bldg. 33	9/25/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/25/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/25/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/26/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Bldg. 33	9/26/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/26/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/26/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/29/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/29/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/29/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Bldg. 33	9/30/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Bldg. 33	9/29/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Bldg. 33	9/30/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	South of Bldg. 33	9/29/03	NA	Air	Berkshire Environmental	Particulate Matter	10/2/03

TABLE 1-2
DATA RECEIVED DURING SEPTEMBER 2003

BUILDING 42 SLUDGE DRUM SAMPLING
20s, 30s, 40s COMPLEX
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID: / Date Collected:	BLD42-SLUDGE-C1 09/04/03
Volatile Organics	
Acetone	0.26
Chlorobenzene	0.22
Ethylbenzene	0.10
m&p-Xylene	1.3
o-Xylene	0.42
Xylenes (total)	1.7

Notes:
1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of volatiles, flash point and TCLP constituents.
2. Please refer to Table 1-3 for a summary of TCLP constituents and flash point.
3. Only detected constituents are summarized.

TABLE 1-3
DATA RECEIVED DURING SEPTEMBER 2003

BUILDING 42 SLUDGE DRUM SAMPLING
20s, 30s, 40s COMPLEX
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	BLD42-SLUDGE-C1 9/4/2003
Volatile Organics		
1,1-Dichloroethene	0.7	ND(0.10)
1,2-Dichloroethane	0.5	ND(0.10)
2-Butanone	200	ND(0.20)
Benzene	0.5	ND(0.10)
Carbon Tetrachloride	0.5	ND(0.10)
Chlorobenzene	100	ND(0.10)
Chloroform	6	ND(0.10)
Tetrachloroethene	0.7	ND(0.10)
Trichloroethene	0.5	ND(0.10)
Vinyl Chloride	0.2	ND(0.10)
Semivolatile Organics		
1,4-Dichlorobenzene	7.5	0.058
2,4,5-Trichlorophenol	400	ND(0.050)
2,4,6-Trichlorophenol	2	ND(0.050)
2,4-Dinitrotoluene	0.13	ND(0.050)
Cresol	200	ND(0.050)
Hexachlorobenzene	0.13	ND(0.050)
Hexachlorobutadiene	0.5	ND(0.050)
Hexachloroethane	3	ND(0.050)
Nitrobenzene	2	ND(0.050)
Pentachlorophenol	100	ND(0.050)
Pyridine	5	ND(0.050)
Inorganics		
Arsenic	5	ND(0.100)
Barium	100	0.280
Cadmium	1	ND(0.0200)
Chromium	5	ND(0.0500)
Lead	5	ND(0.100)
Mercury	0.2	ND(0.00200)
Selenium	1	ND(0.200)
Silver	5	ND(0.0200)
Waste Characterization		
Flash Point (^{O}F)	140[4]	80

Notes:

1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of volatiles, flash point and TCLP constituents.
2. Please refer to Table 1-2 for a summary of volatiles.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. EPA designates these wastes with a flash point of less than 140^{O}F as ignitable hazardous wastes.

TABLE 1-4
PCB DATA RECEIVED DURING SEPTEMBER 2003

33A ASBESTOS ABATEMENT SHOWER WATER DRUM SAMPLING
20s, 30s, 40s COMPLEX
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
33A-A1159-WATER-1	9/8/2003	ND(0.000065)	0.00015	ND(0.000065)	0.00015

Notes:

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

TABLE 1-5
PCB DATA RECEIVED DURING SEPTEMBER 2003

31W OIL/WATER SEPERATOR BARREL SCREEN ROOM SEDIMENT SAMPLING
20s, 30s, 40s COMPLEX
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
31W-AREA#1-1	0-5.5	9/4/2003	ND(0.033) [ND(0.033)]	0.46 [0.36]	0.36 [0.24]	0.82 [0.60]
31W-AREA#2-1	0-1.5	9/4/2003	ND(0.038)	0.20	0.33	0.53
31W-AREA#3-1	0-1	9/4/2003	ND(0.33)	4.1	2.0	6.1

Notes:

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

TABLE 1-6
TCLP DATA RECEIVED DURING SEPTEMBER 2003

31W OIL/WATER SEPERATOR BARREL SCREEN ROOM SEDIMENT SAMPLING
20s, 30s, 40s COMPLEX
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	31W-BSR-C1 9/4/2003
Volatile Organics		
1,1-Dichloroethene	0.7	ND(0.10)
1,2-Dichloroethane	0.5	ND(0.10)
2-Butanone	200	ND(0.20)
Benzene	0.5	ND(0.10)
Carbon Tetrachloride	0.5	ND(0.10)
Chlorobenzene	100	ND(0.10)
Chloroform	6	ND(0.10)
Tetrachloroethene	0.7	ND(0.10)
Trichloroethene	0.5	ND(0.10)
Vinyl Chloride	0.2	ND(0.10)
Semivolatile Organics		
1,4-Dichlorobenzene	7.5	ND(0.050)
2,4,5-Trichlorophenol	400	ND(0.050)
2,4,6-Trichlorophenol	2	ND(0.050)
2,4-Dinitrotoluene	0.13	ND(0.050)
Cresol	200	ND(0.050)
Hexachlorobenzene	0.13	ND(0.050)
Hexachlorobutadiene	0.5	ND(0.050)
Hexachloroethane	3	ND(0.050)
Nitrobenzene	2	ND(0.050)
Pentachlorophenol	100	ND(0.050)
Pyridine	5	ND(0.050)
Inorganics		
Arsenic	5	ND(0.100)
Barium	100	0.260
Cadmium	1	ND(0.0200)
Chromium	5	ND(0.0500)
Lead	5	0.150
Mercury	0.2	ND(0.00200)
Selenium	1	ND(0.200)
Silver	5	ND(0.0200)

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

TABLE 1-7
PCB DATA RECEIVED DURING SEPTEMBER 2003

BUILDING 25 OIL PIPE SAMPLING
20s, 30s, 40s COMPLEX
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample ID	Date Collected	Matrix	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
BLDG25-OILPIPE-1	9/12/2003	oil	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
BLDG25-OILPIPE-2	9/12/2003	water	ND(0.00080)	ND(0.00080)	ND(0.00080)	ND(0.00080)	ND(0.00080)	ND(0.00080)	ND(0.00080)	ND(0.00080)

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

TABLE 1-8
DATA RECEIVED DURING SEPTEMBER 2003

BACKFILL SAMPLE DATA
20s, 30s, 40s COMPLEX
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID: / Sample Depth(Feet): / Date Collected:	JACQUES-BACKFILL-C1 09/19/03	JACQUES-TOPSOIL-C1 09/19/03	PSG-TOPSOIL-C1 09/19/03
Volatile Organics			
None Detected	--	--	--
PCBs			
None Detected	--	--	--
Semivolatile Organics			
Benzo(a)anthracene	ND(0.35)	0.082 J	ND(0.41)
Benzo(a)pyrene	ND(0.35)	0.10 J	ND(0.41)
Benzo(b)fluoranthene	ND(0.35)	0.10 J	ND(0.41)
Chrysene	ND(0.35)	0.10 J	ND(0.41)
Fluoranthene	ND(0.35)	0.14 J	ND(0.41)
Pyrene	ND(0.35)	0.18 J	ND(0.41)
Inorganics			
Arsenic	0.590 B	5.00	4.50
Barium	29.0	45.0	32.0
Beryllium	0.0690 B	0.220 B	0.240 B
Chromium	3.00	8.90	8.50
Cobalt	1.40 B	2.30 B	6.70
Copper	3.80	22.0	12.0
Lead	2.30	64.0	14.0
Mercury	ND(0.100)	0.710	0.0400 B
Nickel	3.00 B	5.10	12.0
Selenium	ND(1.00)	ND(1.00)	1.20
Silver	ND(1.00)	0.210 B	ND(1.00)
Thallium	ND(1.00)	1.20 B	1.20 B
Tin	3.80 B	8.00 B	4.10 B
Vanadium	6.20	15.0	11.0
Zinc	6.80	54.0	38.0

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

TABLE 1-9
AIR SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

PCB AMBIENT AIR CONCENTRATIONS
20s, 30s, 40s COMPLEX
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Date	Northwest of Bldg. 25 ($\mu g/m^3$)	East of Bldg. 25 ($\mu g/m^3$)	Southeast of Bldg. 25 ($\mu g/m^3$)	Southeast of Bldg. 25 colocated ($\mu g/m^3$)	Background Inside GE Gate 31 ($\mu g/m^3$)
09/15 - 09/16/03	0.0043	0.0049	0.0037	0.0040	0.0037
Notification Level	0.05	0.05	0.05	0.05	0.05

TABLE 1-10
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING SEPTEMBER 2003

BUILDING 25 DEMOLITION PROGRAM
20s, 30s, 40s COMPLEX
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
09/15/03	Northwest of Bldg. 25	0.029	NA[1]	8:30[2]	SSW
	East of Bldg. 25	0.008*		8:15[2]	
	Southeast of Bldg. 25	0.001		8:42[2]	
09/16/03	Northwest of Bldg. 25	0.020	0.006*	8:15[2]	WNW, NW
	East of Bldg. 25	0.007*		8:00[2]	
	Southeast of Bldg. 25	0.003		7:45[2]	
09/17/03	Northwest of Bldg. 25	0.032	0.005*	11:15	E, NNE
	East of Bldg. 25	0.006*		11:15	
	Southeast of Bldg. 25	0.002		11:15	
09/18/03	Northwest of Bldg. 25	0.071	0.008*	10:45	E, ENE
	East of Bldg. 25	0.008*		10:45	
	Southeast of Bldg. 25	0.004		10:30	
09/19/03[3]	Northwest of Bldg. 25	NA	NA	NA	NA
	East of Bldg. 25				
	Southeast of Bldg. 25				
09/20/03	Northwest of Bldg. 25	0.066	0.025*	9:45	WNW, W
	East of Bldg. 25	0.028*		9:45	
	Southeast of Bldg. 25	0.025		9:45	
09/22/03	Northwest of Bldg. 25	0.054	0.015*	10:45	S
	East of Bldg. 25	0.016*		10:45	
	Southeast of Bldg. 25	0.032		11:45	
09/23/03[3]	Northwest of Bldg. 25	NA	NA	NA	NA
	East of Bldg. 25				
	Southeast of Bldg. 25				
09/24/03	Northwest of Bldg. 25	0.039	0.007*	10:30	SW
	East of Bldg. 25	0.010*		10:15	
	Southeast of Bldg. 25	0.079		10:15	
09/25/03	Northwest of Bldg. 25	0.074	0.021*	9:30	SW
	East of Bldg. 25	0.026*		9:30	
	Southeast of Bldg. 25	0.094		9:30	
09/26/03[4]	Northwest of Bldg. 25	NA	NA	NA	NA
	East of Bldg. 25				
	Southeast of Bldg. 25				
09/29/03	Northwest of Bldg. 25	NA[1]	0.009*	9:15[2]	NA
	East of Bldg. 25	0.010*		9:15[2]	
	Southeast of Bldg. 25	0.016		8:30[2]	

TABLE 1-10
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING SEPTEMBER 2003

BUILDING 25 DEMOLITION PROGRAM
20s, 30s, 40s COMPLEX
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
09/30/03	Northwest of Bldg. 25	0.005	NA[1]	10:45	NA
	East of Bldg. 25	0.006*		10:45	
	Southeast of Bldg. 25	0.008		11:30	
Notification Level		0.120			

NA - Not Available
* Measured with DR-2000. All others measured with pDR-1000.
Background monitoring location located inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street.
[1] Sampling data is not available due to equipment failure.
[2] Sampling period was shortened due to precipitation/threat of precipitation.
[3] Sampling was not performed due to precipitation/threat of precipitation.
[4] Sampling was not performed due to lack of site activity.

TABLE 1-11
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING SEPTEMBER 2003

BUILDING 33 DEMOLITION PROGRAM
20s, 30s, 40s COMPLEX
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
09/01/03[1]	Northwest of Bldg. 33	NA	NA	NA	NA
	Northeast of Bldg. 33				
	Southeast of Bldg. 33				
	South of Bldg. 33				
09/02/03[2]	Northwest of Bldg. 33	NA	NA	NA	NA
	Northeast of Bldg. 33				
	Southeast of Bldg. 33				
	South of Bldg. 33				
09/03/03	Northwest of Bldg. 33	0.023*	0.016*	10:30	SE, ESE
	Northeast of Bldg. 33	0.033		10:30	
	Southeast of Bldg. 33	0.021		10:30	
	South of Bldg. 33	0.019*		10:15	
09/04/03[2]	Northwest of Bldg. 33	NA	NA	NA	NA
	Northeast of Bldg. 33				
	Southeast of Bldg. 33				
	South of Bldg. 33				
09/05/03	Northwest of Bldg. 33	0.009*	0.006*	11:00	NW, NNW
	Northeast of Bldg. 33	0.015		10:30	
	Southeast of Bldg. 33	0.017		10:30	
	South of Bldg. 33	0.009*		10:30	
09/08/03	Northwest of Bldg. 33	0.012*	0.008*	10:30	WNW, NNE, NE
	Northeast of Bldg. 33	0.020		10:30	
	Southeast of Bldg. 33	0.023		10:30	
	South of Bldg. 33	0.016*		10:30	
09/09/03	Northwest of Bldg. 33	0.009*	0.005*	5:15[3]	E
	Northeast of Bldg. 33	0.021		11:15	
	Southeast of Bldg. 33	0.021		11:45	
	South of Bldg. 33	0.014*		11:30	
09/10/03	Northwest of Bldg. 33	0.005	0.009*	9:45	NW, N
	Northeast of Bldg. 33	0.023		10:15	
	Southeast of Bldg. 33	0.023		10:15	
	South of Bldg. 33	0.018*		10:00	
09/11/03	Northwest of Bldg. 33	0.021*	0.016*	12:00	ESE
	Northeast of Bldg. 33	0.031		12:00	
	Southeast of Bldg. 33	0.027		12:00	
	South of Bldg. 33	0.026*		12:00	
09/12/03	Northwest of Bldg. 33	0.044*	0.011*	12:00	E, ESE
	Northeast of Bldg. 33	0.034		11:45	
	Southeast of Bldg. 33	0.022		11:30	
	South of Bldg. 33	0.016*		11:30	

TABLE 1-11
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING SEPTEMBER 2003

BUILDING 33 DEMOLITION PROGRAM
20s, 30s, 40s COMPLEX
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
09/15/03	Northwest of Bldg. 33	0.006	NA[4]	8:31[5]	SSW
	Northeast of Bldg. 33	0.029		8:30[5]	
	Southeast of Bldg. 33	0.018		8:00[5]	
	South of Bldg. 33	0.017*		7:45[5]	
09/16/03	Northwest of Bldg. 33	0.004	0.006*	9:00[5]	WNW, NW
	Northeast of Bldg. 33	0.020		8:15[5]	
	Southeast of Bldg. 33	0.024		8:00[5]	
	South of Bldg. 33	0.011*		8:00[5]	
09/17/03	Northwest of Bldg. 33	0.008*	0.005*	11:30	E, NNE
	Northeast of Bldg. 33	0.032		11:15	
	Southeast of Bldg. 33	0.022		11:15	
	South of Bldg. 33	0.019*		11:15	
09/18/03	Northwest of Bldg. 33	0.016*	0.008*	11:30	E, ENE
	Northeast of Bldg. 33	0.071		10:45	
	Southeast of Bldg. 33	0.023		10:30	
	South of Bldg. 33	0.014*		10:30	
09/19/03[2]	Northwest of Bldg. 33	NA	NA	NA	NA
	Northeast of Bldg. 33				
	Southeast of Bldg. 33				
	South of Bldg. 33				
09/22/03	Northwest of Bldg. 33	0.013*	0.015*	10:45	S
	Northeast of Bldg. 33	0.054		10:45	
	Southeast of Bldg. 33	0.033		11:30	
	South of Bldg. 33	0.024*		11:30	
09/23/03[2]	Northwest of Bldg. 33	NA	NA	NA	NA
	Northeast of Bldg. 33				
	Southeast of Bldg. 33				
	South of Bldg. 33				
09/24/03	Northwest of Bldg. 33	0.007*	0.007*	11:30	SW
	Northeast of Bldg. 33	0.039		10:30	
	Southeast of Bldg. 33	0.025		10:15	
	South of Bldg. 33	0.014*		10:15	
09/25/03	Northwest of Bldg. 33	0.024*	0.021*	9:45	SW
	Northeast of Bldg. 33	0.074		9:30	
	Southeast of Bldg. 33	0.042		9:30	
	South of Bldg. 33	0.030*		9:30	
09/26/03	Northwest of Bldg. 33	0.010*	0.012*	7:15[5]	ENE
	Northeast of Bldg. 33	0.052[6]		NA[4]	
	Southeast of Bldg. 33	0.031		6:30[5]	
	South of Bldg. 33	0.019*		6:15[5]	

TABLE 1-11
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING SEPTEMBER 2003

BUILDING 33 DEMOLITION PROGRAM
20s, 30s, 40s COMPLEX
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
09/29/03	Northwest of Bldg. 33	0.006*	0.009*	9:15[5]	NA
	Northeast of Bldg. 33	NA[4]		9:15[5]	
	Southeast of Bldg. 33	0.025		8:00[5]	
	South of Bldg. 33	0.013*		8:30[5]	
09/30/03	Northwest of Bldg. 33	0.008*	NA[4]	11:45	NA
	Northeast of Bldg. 33	0.005		10:45	
	Southeast of Bldg. 33	0.026		11:30	
	South of Bldg. 33	0.011*		11:15	
Notification Level		0.120			

NA - Not Available
* Measured with DR-2000. All others measured with pDR-1000.
Background monitoring location located inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street.
[1] Sampling was not performed due to lack of site activity on the Labor Day holiday.
[2] Sampling was not performed due to precipitation/threat of precipitation.
[3] Sampling period was shortened due to instrument malfunction (dead battery).
[4] Sampling data is not available due to equipment failure.
[5] Sampling period was shortened due to precipitation/threat of precipitation.
[6] Reading reflects average concentration manually recorded at the end of the day. Unable to download data due to equipment failure.

ITEM 2
PLANT AREA
EAST STREET AREA 2 - SOUTH
(GECD150)
SEPTEMBER 2003

a. Activities Undertaken/Completed

- Continued field construction activities at Future City Recreational Area (FCRA).*
- Conducted ambient air sampling for PCBs and particulate matter in conjunction with construction work at FCRA.*
- Conducted routine process water sampling at Building 64G and routine sludge sampling at Building 64T, as identified in Table 2-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None.

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

- Continue to conduct routine process sampling at Buildings 64G and 64T.
- Continue field construction activities at FCRA and associated ambient air monitoring.*
- Contact property owners at adjacent parcels to arrange access to perform additional pre-design soil investigations.*
- Perform additional pre-design soil investigations and begin preparation of letter report thereon (due to EPA by end of November 2003).*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA conditional approval of GE's August 15, 2003 Supplemental Pre-Design Investigation Report for East Street Area 2-South (September 29, 2003).*

TABLE 2-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Building 64G Process	I3-64G-01	9/30/03	Water	CT&E	VOC	
Building 64G Process	I3-64G-02	9/30/03	Water	CT&E	SVOC	
Building 64G Process	I3-64G-03	9/30/03	Water	CT&E	PCB	
Building 64G Process	I3-64G-04	9/30/03	Water	CT&E	Oil & Grease	
Building 64G Process	I3-64G-05	9/30/03	Water	CT&E	VOC	
Building 64G Process	I3-64G-06	9/30/03	Water	CT&E	SVOC	
Building 64G Process	I3-64G-07	9/30/03	Water	CT&E	PCB	
Building 64G Process	I3-64G-08	9/30/03	Water	CT&E	Oil & Grease	
Building 64G Process	I3-64G-09	9/30/03	Water	CT&E	VOC	
Building 64G Process	I3-64G-10	9/30/03	Water	CT&E	SVOC	
Building 64G Process	I3-64G-11	9/30/03	Water	CT&E	PCB	
Building 64G Process	I3-64G-12	9/30/03	Water	CT&E	Oil & Grease	
Building 64G Process	I3-64G-13	9/30/03	Water	CT&E	VOC	
Building 64G Process	I3-64G-14	9/30/03	Water	CT&E	SVOC	
Building 64G Process	I3-64G-15	9/30/03	Water	CT&E	PCB	
Building 64G Process	I3-64G-16	9/30/03	Water	CT&E	Oil & Grease	
Building 64T Sludge Sampling	I3-64T-01	9/1/03	Sludge	CT&E	PCB	9/8/03
PCB Ambient Air Sampling	Northwest of Rec Area	09/04 - 09/05/03	Air	Berkshire Environmental	PCB	9/10/03
PCB Ambient Air Sampling	Northeast of Rec Area	09/04 - 09/05/03	Air	Berkshire Environmental	PCB	9/10/03
PCB Ambient Air Sampling	Southwest of Rec Area	09/04 - 09/05/03	Air	Berkshire Environmental	PCB	9/10/03
PCB Ambient Air Sampling	Southwest of Rec Area colocated	09/04 - 09/05/03	Air	Berkshire Environmental	PCB	9/10/03
PCB Ambient Air Sampling	Southeast of Rec Area	09/04 - 09/05/03	Air	Berkshire Environmental	PCB	9/10/03
PCB Ambient Air Sampling	Background Inside GE Gate 31	09/04 - 09/05/03	Air	Berkshire Environmental	PCB	9/10/03
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/3/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Rec Area	9/3/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/3/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/3/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/5/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Rec Area	9/5/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/5/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/5/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/8/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Rec Area	9/8/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/8/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/8/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/9/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Rec Area	9/9/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/9/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/9/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/10/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Rec Area	9/10/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/10/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/10/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/11/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Rec Area	9/11/03	Air	Berkshire Environmental	Particulate Matter	10/2/03

TABLE 2-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/11/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/11/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/12/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Rec Area	9/12/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/12/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/12/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/15/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Rec Area	9/15/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/15/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/15/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/16/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/16/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/16/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/17/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Rec Area	9/17/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/17/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/17/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/18/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Rec Area	9/18/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/18/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/18/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/22/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Rec Area	9/22/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/22/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/22/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/24/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Rec Area	9/24/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/24/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/24/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/25/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Rec Area	9/25/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/25/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/25/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/26/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Rec Area	9/26/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/26/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/26/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/29/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Rec Area	9/29/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/29/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/29/03	Air	Berkshire Environmental	Particulate Matter	10/2/03

TABLE 2-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	Northwest of Rec Area	9/30/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of Rec Area	9/30/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of Rec Area	9/30/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of Rec Area	9/30/03	Air	Berkshire Environmental	Particulate Matter	10/2/03

TABLE 2-2
PCB DATA RECEIVED DURING SEPTEMBER 2003

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, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
I3-64T-01	9/1/2003	ND(12)	50	49	99

Notes:

1. Sample was collected by General Electric Company and submitted to CT&E 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
AIR SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

PCB AMBIENT AIR CONCENTRATIONS
EAST STREET AREA 2 - SOUTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Date	Northwest of Rec Area (µg/m^3)	Northeast of Rec Area (µg/m^3)	Southwest of Rec Area (µg/m^3)	Southwest of Rec Area colocated (µg/m^3)	Southeast of Rec Area (µg/m^3)	Background Inside GE Gate 31 (µg/m^3)
09/04 - 09/05/03	0.0022	0.0017	0.0024	0.0029	0.0020	0.0023
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05

TABLE 2-4
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING SEPTEMBER 2003

PARTICULATE AMBIENT AIR CONCENTRATIONS
EAST STREET AREA 2 - SOUTH
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
09/01/03[1]	Northwest of Rec Area	NA	NA	NA	NA
	Northeast of Rec Area				
	Southeast of Rec Area				
	Southwest of Rec Area				
09/02/03[2]	Northwest of Rec Area	NA	NA	NA	NA
	Northeast of Rec Area				
	Southeast of Rec Area				
	Southwest of Rec Area				
09/03/03	Northwest of Rec Area	0.030	0.016*	10:15	SE, ESE
	Northeast of Rec Area	0.019		10:15	
	Southeast of Rec Area	0.014		10:15	
	Southwest of Rec Area	0.016*		10:15	
09/04/03[2]	Northwest of Rec Area	NA	NA	NA	NA
	Northeast of Rec Area				
	Southeast of Rec Area				
	Southwest of Rec Area				
09/05/03	Northwest of Rec Area	0.009	0.006*	10:15	NW, NNW
	Northeast of Rec Area	0.012		10:15	
	Southeast of Rec Area	0.004		10:15	
	Southwest of Rec Area	0.008*		10:15	
09/08/03	Northwest of Rec Area	0.012	0.008*	10:30	WNW, NNE, NE
	Northeast of Rec Area	0.016		10:30	
	Southeast of Rec Area	0.016		10:30	
	Southwest of Rec Area	0.008*		10:30	
09/09/03	Northwest of Rec Area	0.003	0.005*	11:30	E
	Northeast of Rec Area	0.014		11:45	
	Southeast of Rec Area	0.008		11:45	
	Southwest of Rec Area	0.006*		11:30	
09/10/03	Northwest of Rec Area	0.009	0.009*	9:30	NW, N
	Northeast of Rec Area	0.019		10:00	
	Southeast of Rec Area	0.010		10:00	
	Southwest of Rec Area	0.007*		10:00	
09/11/03	Northwest of Rec Area	0.020	0.016*	12:00	ESE
	Northeast of Rec Area	0.030		12:00	
	Southeast of Rec Area	0.014		12:00	
	Southwest of Rec Area	0.015*		11:45	
09/12/03	Northwest of Rec Area	0.019	0.011*	11:30	E, ESE
	Northeast of Rec Area	0.025		11:30	
	Southeast of Rec Area	0.012		11:30	
	Southwest of Rec Area	0.022*		11:30	
09/15/03	Northwest of Rec Area	0.010	NA[4]	7:45[3]	SSW
	Northeast of Rec Area	0.004		7:57[3]	
	Southeast of Rec Area	0.005		7:45[3]	
	Southwest of Rec Area	NA[4]		7:45[3]	

TABLE 2-4
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING SEPTEMBER 2003

PARTICULATE AMBIENT AIR CONCENTRATIONS
EAST STREET AREA 2 - SOUTH
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
09/16/03	Northwest of Rec Area	0.009	0.006*	8:00[3]	WNW, NW
	Northeast of Rec Area	NA[4]		2:00[5]	
	Southeast of Rec Area	0.005		8:00[3]	
	Southwest of Rec Area	NA[4]		NA[4]	
09/17/03	Northwest of Rec Area	0.011	0.005*	11:15	E, NNE
	Northeast of Rec Area	0.011		11:15	
	Southeast of Rec Area	0.013		11:15	
	Southwest of Rec Area	0.027*		11:15	
09/18/03	Northwest of Rec Area	0.023	0.008*	10:30	E, ENE
	Northeast of Rec Area	0.016		10:30	
	Southeast of Rec Area	0.021		10:30	
	Southwest of Rec Area	0.029*[6]		8:45[6]	
09/19/03[2]	Northwest of Rec Area	NA	NA	NA	NA
	Northeast of Rec Area				
	Southeast of Rec Area				
	Southwest of Rec Area				
09/22/03	Northwest of Rec Area	0.025	0.015*	11:30	S
	Northeast of Rec Area	0.019		11:45	
	Southeast of Rec Area	0.015		11:45	
	Southwest of Rec Area	0.002*		11:30	
09/23/03[2]	Northwest of Rec Area	NA	NA	NA	NA
	Northeast of Rec Area				
	Southeast of Rec Area				
	Southwest of Rec Area				
09/24/03	Northwest of Rec Area	0.014	0.007*	10:15	SW
	Northeast of Rec Area	0.007		10:15	
	Southeast of Rec Area	0.007		10:15	
	Southwest of Rec Area	0.003*		10:00	
09/25/03	Northwest of Rec Area	0.030	0.021*	9:30	SW
	Northeast of Rec Area	0.029		9:30	
	Southeast of Rec Area	0.025		9:30	
	Southwest of Rec Area	0.021*		9:30	
09/26/03	Northwest of Rec Area	0.024	0.012*	6:15[3]	ENE
	Northeast of Rec Area	0.018		6:15[3]	
	Southeast of Rec Area	0.013		6:15[3]	
	Southwest of Rec Area	0.010*		6:15[3]	

TABLE 2-4
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING SEPTEMBER 2003

PARTICULATE AMBIENT AIR CONCENTRATIONS
EAST STREET AREA 2 - SOUTH
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
09/29/03	Northwest of Rec Area	0.017	0.009*	8:30[3]	NA
	Northeast of Rec Area	0.008		8:30[3]	
	Southeast of Rec Area	0.007		8:30[3]	
	Southwest of Rec Area	0.010*		8:30[3]	
09/30/03	Northwest of Rec Area	0.012	NA[4]	11:15	NA
	Northeast of Rec Area	0.010[7]		8:30[7]	
	Southeast of Rec Area	0.002		11:15	
	Southwest of Rec Area	0.001*		11:15	
Notification Level		0.120			

NA - Not Available
* Measured with DR-2000. All others measured with pDR-1000.
Background monitoring location located inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street.
[1] Sampling was not performed due to lack of site activity on the Labor Day holiday.
[2] Sampling was not performed due to precipitation/threat of precipitation.
[3] Sampling period was shortened due to precipitation/threat of precipitation.
[4] Sampling data is not available due to equipment failure.

ITEM 3
PLANT AREA
EAST STREET AREA 2-NORTH
(GECD140)
SEPTEMBER 2003

a. Activities Undertaken/Completed

- Completed asbestos abatement in Building 3C.
- Initiated survey activities associated with pre-design investigation activities.*
- Conducted sampling of oil in drums, as identified in Table 3-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted notification to EPA of proposed air monitoring locations for Building 3C demolition and site restoration program (September 23, 2003).

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

- Initiate demolition and site restoration of Building 3C area.
- Initiate pre-design investigation activities.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 3-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Forklift Oil Drum Sampling GE Drum# C0221	12X-C0221-OIL-1	9/23/03	Oil	CT&E	PCB	9/30/03
Forklift Oil Drum Sampling GE Drum# C0222	12X-C0222-OIL1	9/23/03	Oil	CT&E	PCB	9/30/03
Forklift Oil Drum Sampling GE Drum# C0224	12X-C0224-OIL1	9/23/03	Oil	CT&E	PCB	9/30/03
Forklift Oil Drum Sampling GE Drum# C0224	DUP-1 (12X-C0224-OIL1)	9/23/03	Oil	CT&E	PCB	9/30/03
Forklift Oil Drum Sampling GE Drum# C0225	12X-C0225-OIL-1	9/23/03	Oil	CT&E	PCB	9/30/03
Forklift Oil Drum Sampling GE Drum# C0226	12X-C0226-OIL1	9/23/03	Oil	CT&E	PCB	9/30/03
Forklift Oil Drum Sampling GE Drum# C0227	12X-C0227-OIL-1	9/23/03	Oil	CT&E	PCB	9/30/03

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

TABLE 3-2
PCB DATA RECEIVED DURING SEPTEMBER 2003

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

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
12X-C0221-OIL-1	9/23/2003	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
12X-C0222-OIL1	9/23/2003	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
12X-C0224-OIL1	9/23/2003	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]	ND(1.0) [ND(1.0)]
12X-C0225-OIL-1	9/23/2003	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
12X-C0226-OIL1	9/23/2003	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
12X-C0227-OIL-1	9/23/2003	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

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

ITEM 4
PLANT AREA
EAST STREET AREA 1-NORTH
(GECD130)
SEPTEMBER 2003

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

a. Activities Undertaken/Completed

Provided notification to CSX (Parcel K11-1-15) of soil sample inadvertently taken from its property on January 8, 2003 (September 18, 2003).

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

Submit Conceptual RD/RA Work Plan (due October 20, 2003).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 4-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

EAST STREET AREA 1 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation Sampling	RAA6-C6	8/29/03	0-1	Soil	CT&E	VOC	9/3/03

TABLE 4-2
DATA RECEIVED DURING SEPTEMBER 2003

PRE-DESIGN SOIL INVESTIGATION SAMPLING
EAST STREET AREA 1 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA6-C6 / 0-1 / 08/29/03
Volatile Organics		
Ethylbenzene		14
Toluene		0.33
Xylenes (total)		120

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

ITEM 5
PLANT AREA
HILL 78 & BUILDING 71 CONSOLIDATION AREAS
(GECD210/220)
SEPTEMBER 2003

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

a. Activities Undertaken/Completed

- Continued consolidation of demolition debris from Building 33/34 Complex, Building 25, and Newell Street Area I buildings (former Quality Printing and F.W. Webb), soil from the Future City Recreational Area, and soil/sediment from the Housatonic 1½ Mile Reach Removal Action at the OPCAs.

- Continued transfer of leachate from Building 71 OPCA to Building 64G for treatment. The total amount transferred in September 2003 was 94,000 gallons (see Table 5-4).

- Conducted ambient air monitoring for particulates and PCBs.

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 consolidation of soils and sediments from the 1½-Mile Reach Removal Action and soil from FCRA at the OPCAs.

- Continue consolidation of demolition debris from the Building 33/34 Complex, Building 25, and Newell Street Area I building demolition activities at the OPCAs.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 5-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

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
PCB Ambient Air Sampling	Southwest of OPCAs	09/15 - 09/16/03	Air	Berkshire Environmental	PCB	9/22/03
PCB Ambient Air Sampling	West of OPCAs	09/15 - 09/16/03	Air	Berkshire Environmental	PCB	9/22/03
PCB Ambient Air Sampling	North of OPCAs	09/15 - 09/16/03	Air	Berkshire Environmental	PCB	9/22/03
PCB Ambient Air Sampling	Southeast of OPCAs	09/15 - 09/16/03	Air	Berkshire Environmental	PCB	9/22/03
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	09/15 - 09/16/03	Air	Berkshire Environmental	PCB	9/22/03
PCB Ambient Air Sampling	Background Inside GE Gate 31	09/15 - 09/16/03	Air	Berkshire Environmental	PCB	9/22/03
Ambient Air Particulate Matter Sampling	North of OPCAs	9/15/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	9/15/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	9/15/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	9/15/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	West of OPCAs	9/15/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	North of OPCAs	9/16/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	9/16/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	9/16/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	9/16/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	West of OPCAs	9/16/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	North of OPCAs	9/17/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	9/17/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	9/17/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	9/17/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	West of OPCAs	9/17/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	North of OPCAs	9/18/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	9/18/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	9/18/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	9/18/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	West of OPCAs	9/18/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	North of OPCAs	9/22/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	9/22/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	9/22/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	9/22/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	West of OPCAs	9/22/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	North of OPCAs	9/24/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	9/24/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	9/24/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	9/24/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	West of OPCAs	9/24/03	Air	Berkshire Environmental	Particulate Matter	10/2/03

TABLE 5-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

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	9/25/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	9/25/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	9/25/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	9/25/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	West of OPCAs	9/25/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	North of OPCAs	9/26/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	9/26/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	9/26/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	9/26/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	West of OPCAs	9/26/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	North of OPCAs	9/29/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Pittsfield Generating Co.	9/29/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	9/29/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	9/29/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	West of OPCAs	9/29/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	North of OPCAs	9/30/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of OPCAs	9/30/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of OPCAs	9/30/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	West of OPCAs	9/30/03	Air	Berkshire Environmental	Particulate Matter	10/2/03

TABLE 5-2
AIR SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

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

Date	Southwest of OPCAs ($\mu g/m^3$)	West of OPCAs ($\mu g/m^3$)	North of OPCAs ($\mu g/m^3$)	Southeast of OPCAs ($\mu g/m^3$)	Pittsfield Generating (PGE) ($\mu g/m^3$)	Background Inside GE Gate 31 ($\mu g/m^3$)
09/15 - 09/16/03	0.0020	0.0028	ND	0.0004	0.0011	0.0037
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05

ND - Non Detect (<0.0003)

TABLE 5-3
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING SEPTEMBER 2003

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
09/01 - 09/05/03[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
09/08 - 09/12/03[1]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
09/15/03	North of OPCAs	0.012	NA[2]	7:30[3]	SSW
	Pittsfield Generating Co.	0.010*		7:30[3]	
	Southeast of OPCAs	0.014		7:30[3]	
	Southwest of OPCAs	0.014*		7:00[3]	
	West of OPCAs	0.004		7:30[3]	
09/16/03	North of OPCAs	0.005	0.006*	8:00[3]	WNW, NW
	Pittsfield Generating Co.	0.003*		7:45[3]	
	Southeast of OPCAs	0.017		7:45[3]	
	Southwest of OPCAs	0.010*		8:00[3]	
	West of OPCAs	0.002		8:00[3]	
09/17/03	North of OPCAs	0.018	0.005*	10:15	E, NNE
	Pittsfield Generating Co.	0.007*		10:00	
	Southeast of OPCAs	0.038		10:15	
	Southwest of OPCAs	0.013*		10:30	
	West of OPCAs	0.016		10:37	
09/18/03	North of OPCAs	0.008	0.008*	10:30	E, ENE
	Pittsfield Generating Co.	0.010*		10:15	
	Southeast of OPCAs	0.021		10:30	
	Southwest of OPCAs	0.015*		6:15[4]	
	West of OPCAs	0.016		10:30	
09/19/03[5]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
09/22/03	North of OPCAs	0.025	0.015*	10:15	S
	Pittsfield Generating Co.	0.019*		10:15	
	Southeast of OPCAs	0.040		10:15	
	Southwest of OPCAs	0.020*		9:45	
	West of OPCAs	0.020		9:45	
09/23/03[5]	North of OPCAs	NA	NA	NA	NA
	Pittsfield Generating Co.				
	Southeast of OPCAs				
	Southwest of OPCAs				
	West of OPCAs				
09/24/03	North of OPCAs	0.013	0.007*	10:15	SW
	Pittsfield Generating Co.	0.008*		10:00	
	Southeast of OPCAs	0.032		10:15	
	Southwest of OPCAs	0.012*		10:15	
	West of OPCAs	0.012		10:15	
09/25/03	North of OPCAs	0.035	0.021*	9:30	SW
	Pittsfield Generating Co.	0.022*		9:30	
	Southeast of OPCAs	0.049		9:30	
	Southwest of OPCAs	0.022*		9:30	
	West of OPCAs	0.035		9:30	

TABLE 5-3
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING SEPTEMBER 2003

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
09/26/03	North of OPCAs	0.028	0.012*	6:15[3]	ENE
	Pittsfield Generating Co.	0.015*		6:15[3]	
	Southeast of OPCAs	0.036		6:15[3]	
	Southwest of OPCAs	0.018*		6:15[3]	
	West of OPCAs	0.022		6:15[3]	
09/29/03	North of OPCAs	0.018	0.009*	8:00[3]	NA
	Pittsfield Generating Co.	0.009*		7:45[3]	
	Southeast of OPCAs	0.017		8:00[3]	
	Southwest of OPCAs	0.008*		8:00[3]	
	West of OPCAs	0.017		8:00[3]	
09/30/03	North of OPCAs	0.009	NA[2]	10:15	NA
	Pittsfield Generating Co.	NA[2]		NA[2]	
	Southeast of OPCAs	0.023		10:15	
	Southwest of OPCAs	0.006*		10:15	
	West of OPCAs	0.014		10:15	
Notification Level		0.120			

NA - Not Available
* Measured with DR-2000. All others measured with pDR-1000.
Background monitoring location inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street.
[1] Sampling was not performed due to lack of site activity.
[2] Sampling data is not available due to equipment failure.
[3] Sampling period was shortened due to precipitation/threat of precipitation.
[4] Sampling period was shortened due to instrument malfunction (dead battery).
[5] Sampling was not performed due to precipitation/threat of precipitation.

TABLE 5-4
BUILDING 71 CONSOLIDATION AREA LEACHATE TRANSFER SUMMARY
PLANT AREA - HILL 78 & BUILDING 71 CONSOLIDATION AREAS

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

Month / Year	Total Volume of Leachate Transferred (Gallons)
September 2002	45,000
October 2002	60,000
November 2002	110,000
December 2002	60,000
January 2003	50,000
February 2003	30,000
March 2003	120,000
April 2003	100,000
May 2003	68,000
June 2003	65,000
July 2003	53,000
August 2003	122,500
September 2003	94,000

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

ITEM 6
PLANT AREA
HILL 78 AREA - REMAINDER
(GECD160)
SEPTEMBER 2003

a. Activities Undertaken/Completed

Conducted miscellaneous sampling of drummed water located at Building 78.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

None

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 6-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

HILL 78 AREA-REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Building 78 Water Drum Sampling	78-E0967-WATER-1	9/17/03	Water	CT&E	PCB, VOC, SVOC, RCRA Metals	9/25/03

TABLE 6-2
WATER SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

BUILDING 78 WATER DRUM SAMPLING
HILL 78 AREA REMAINDER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts permillion, ppm)

Parameter / Sample ID: / Date Collected:	78-E0967-WATER-1 09/17/03
Volatile Organics	
Benzene	0.011
Ethylbenzene	0.00060 J
Toluene	0.0021 J
Xylenes (total)	0.00073 J
PCBs-Unfiltered	
Aroclor-1254	0.00026
Aroclor-1260	0.00015
Total PCBs	0.00041
Semivolatile Organics	
3-Methylcholanthrene	0.0043 J
Acenaphthene	0.0027 J
N-Nitrosomethylethylamine	0.012
p-Dimethylaminoazobenzene	0.015
Inorganics-Unfiltered	
Arsenic	0.0440
Barium	0.360
Cadmium	0.00370
Chromium	0.0640
Lead	0.710
Mercury	0.00220
Selenium	0.00620
Silver	0.00280 B

Notes:

1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles and metals.
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 practical quantitation limit (PQL).

ITEM 7
PLANT AREA
UNKAMET BROOK AREA
(GECD170)
SEPTEMBER 2003

a. Activities Undertaken/Completed

- Continued pre-design investigation soil sampling.*
- Conducted miscellaneous decon wipe sampling, as identified in Table 7-1.
- Received fully executed access agreements with U.S. Department of the Navy (September 2, 2003) and CSX Transportation (September 19, 2003).*
- Continued efforts to obtain access to the Massachusetts Department of Higher Education (Berkshire Community College) property within this area for soil sampling and groundwater monitoring. At the suggestion of EPA and MDEP, and in view of delays in the State's response to a draft Umbrella Access Agreement that GE had provided to MDEP in February 2003 covering all State property at the Site, GE commenced negotiations for a separate access agreement for the property within this area with the office of General Counsel of the Massachusetts Community Colleges. During September, GE exchanged draft access agreements with that office.*

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 monthly inspections of beaver dam area and outfalls.
- Continue efforts to obtain access to Massachusetts Department of Higher Education (Berkshire Community College) property in this area (see Item 7a above).*
- Continue pre-design soil sampling.*

ITEM 7
(cont'd)
PLANT AREA
UNKAMET BROOK AREA
(GECD170)
SEPTEMBER 2003

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

Access to Massachusetts Department of Higher Education (Berkshire Community College) property in this area not yet obtained (see Item 7a above). Delay in obtaining such access could affect schedule for completion of soil sampling.*

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

None

TABLE 7-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation Sampling	RAA10-B19	9/30/03	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-B19	9/30/03	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-B19	9/30/03	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-D20	9/30/03	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-D20	9/30/03	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-D20	9/30/03	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-DUP-3 (RAA10-W-E10)	8/12/03	1-6	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-DUP-4 (RAA10-W-K11)	8/19/03	4-6	Soil	CompuChem	VOC	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-DUP-5 (RAA10-W-K11)	8/19/03	1-6	Soil	CompuChem	PCB, SVOC, Inorganics, PCDD/PCDF	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-DUP-6 (RAA10-W-K18)	8/25/03	6-15	Soil	CompuChem	PCB	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-DUP-7 (RAA10-W-B17)	9/3/03	1-6	Soil	CompuChem	PCB	9/26/03
Pre-Design Soil Investigation Sampling	RAA10-DUP-8 (RAA10-W-L19)	9/23/03	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-W-A18	9/2/03	6-15	Soil	CompuChem	PCB	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-A18	9/2/03	1-6	Soil	CompuChem	PCB, SVOC, Inorganics, PCDD/PCDF	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-A18	9/2/03	0-1	Soil	CompuChem	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-A18	9/2/03	4-6	Soil	CompuChem	VOC	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-B17	9/3/03	1-6	Soil	CompuChem	PCB	9/26/03
Pre-Design Soil Investigation Sampling	RAA10-W-B17	9/3/03	6-15	Soil	CompuChem	PCB, SVOC, Inorganics, PCDD/PCDF	9/26/03
Pre-Design Soil Investigation Sampling	RAA10-W-B17	9/3/03	0-1	Soil	CompuChem	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	9/26/03
Pre-Design Soil Investigation Sampling	RAA10-W-B17	9/3/03	9-11	Soil	CompuChem	VOC	9/26/03
Pre-Design Soil Investigation Sampling	RAA10-W-C13	9/3/03	0-1	Soil	CompuChem	PCB	9/26/03
Pre-Design Soil Investigation Sampling	RAA10-W-C13	9/3/03	1-6	Soil	CompuChem	PCB	9/26/03
Pre-Design Soil Investigation Sampling	RAA10-W-C13	9/3/03	6-15	Soil	CompuChem	PCB	9/26/03
Pre-Design Soil Investigation Sampling	RAA10-W-C15	9/2/03	1-6	Soil	CompuChem	PCB	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-C15	9/2/03	6-15	Soil	CompuChem	PCB, SVOC, Inorganics, PCDD/PCDF	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-C15	9/2/03	0-1	Soil	CompuChem	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-C15	9/2/03	12-14	Soil	CompuChem	VOC	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-C18	9/3/03	1-6	Soil	CompuChem	PCB	9/26/03
Pre-Design Soil Investigation Sampling	RAA10-W-C18	9/3/03	6-15	Soil	CompuChem	PCB	9/26/03
Pre-Design Soil Investigation Sampling	RAA10-W-C18	9/3/03	0-1	Soil	CompuChem	VOC, SVOC, Inorganics, PCDD/PCDF	9/26/03
Pre-Design Soil Investigation Sampling	RAA10-W-C19	9/25/03	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-C19	9/25/03	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-C19	9/25/03	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-D12	8/12/03	1-6	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-D12	8/12/03	6-15	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-D12	8/12/03	0-1	Soil	CompuChem	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-E10	8/12/03	1-6	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-E10	8/12/03	6-12.3	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-E10	8/12/03	0-1	Soil	CompuChem	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-E13	8/19/03	0-1	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-E13	8/19/03	6-15	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-E13	8/19/03	1-6	Soil	CompuChem	PCB, SVOC, Inorganics, PCDD/PCDF	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-E13	8/19/03	4-6	Soil	CompuChem	VOC	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-G21	9/24/03	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-G21	9/24/03	1-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-W-G21	9/24/03	4-6	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-W-G9	8/13/03	0-1	Soil	CompuChem	PCB	9/10/03

TABLE 7-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation Sampling	RAA10-W-G9	8/13/03	1-6	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-G9	8/13/03	6-12	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-H10	8/13/03	0-1	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-H10	8/13/03	1-6	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-H10	8/13/03	6-13	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-I10	8/19/03	1-6	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-I10	8/19/03	6-15	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-I10	8/19/03	0-1	Soil	CompuChem	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-I17	8/20/03	0-1	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-I17	8/20/03	1-6	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-I17	8/20/03	6-15	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-I22	9/25/03	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-I22	9/25/03	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-I22	9/25/03	1-6	Soil	CT&E	PCB, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-W-J11	8/19/03	0-1	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-J11	8/19/03	1-6	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-J11	8/19/03	6-15	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-J17	8/20/03	0-1	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-J17	8/20/03	1-6	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-J17	8/20/03	6-15	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-J20	8/26/03	0-1	Soil	CompuChem	PCB	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-J20	8/26/03	1-6	Soil	CompuChem	PCB	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-J20	8/26/03	6-15	Soil	CompuChem	PCB	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-J21	8/26/03	1-6	Soil	CompuChem	PCB	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-J21	8/26/03	6-15	Soil	CompuChem	PCB, SVOC, Inorganics, PCDD/PCDF	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-J21	8/26/03	0-1	Soil	CompuChem	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-J21	8/26/03	10-12	Soil	CompuChem	VOC	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-K11	8/19/03	0-1	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-K11	8/19/03	1-6	Soil	CompuChem	PCB, SVOC, Inorganics, PCDD/PCDF	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-K11	8/19/03	6-11	Soil	CompuChem	PCB, SVOC, Inorganics, PCDD/PCDF	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-K11	8/19/03	10-11	Soil	CompuChem	VOC	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-K11	8/19/03	4-6	Soil	CompuChem	VOC	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-K17	8/20/03	0-1	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-K17	8/20/03	6-15	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-K17	8/20/03	1-6	Soil	CompuChem	PCB, SVOC, Inorganics, PCDD/PCDF	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-K17	8/20/03	5-6	Soil	CompuChem	VOC	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-K18	8/25/03	1-6	Soil	CompuChem	PCB	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-K18	8/25/03	6-15	Soil	CompuChem	PCB	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-K18	8/25/03	0-1	Soil	CompuChem	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-K19	8/25/03	6-15	Soil	CompuChem	PCB	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-K19	8/25/03	0-1	Soil	CompuChem	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-K19	8/25/03	1-6	Soil	CompuChem	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-L12	8/18/03	0-1	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-L12	8/18/03	1-6	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-L18	9/22/03	0-1	Soil	CT&E	PCB	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-L18	9/22/03	1-6	Soil	CT&E	PCB	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-L18	9/22/03	6-13	Soil	CT&E	PCB	9/24/03

TABLE 7-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Pre-Design Soil Investigation Sampling	RAA10-W-L19	9/23/03	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-L19	9/23/03	6-15	Soil	CT&E	PCB, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-W-L19	9/23/03	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-W-L19	9/23/03	14-15	Soil	CT&E	VOC	
Pre-Design Soil Investigation Sampling	RAA10-W-M12	8/18/03	0-1	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-M12	8/18/03	1-6	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-M12	8/18/03	6-8	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-M13	8/18/03	0-1	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-M13	8/18/03	1-6	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-M13	8/18/03	6-12	Soil	CompuChem	PCB	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-M15	8/18/03	1-6	Soil	CompuChem	PCB, SVOC, Inorganics, PCDD/PCDF	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-M15	8/18/03	6-12	Soil	CompuChem	PCB, SVOC, Inorganics, PCDD/PCDF	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-M15	8/18/03	0-1	Soil	CompuChem	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-M15	8/18/03	3-4	Soil	CompuChem	VOC	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-M15	8/18/03	8-10	Soil	CompuChem	VOC	9/10/03
Pre-Design Soil Investigation Sampling	RAA10-W-M17	9/23/03	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-M17	9/23/03	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-M17	9/23/03	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-N12	9/22/03	0-1	Soil	CT&E	PCB	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-N12	9/22/03	1-6	Soil	CT&E	PCB	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-N12	9/22/03	6-10	Soil	CT&E	PCB	9/24/03
Pre-Design Soil Investigation Sampling	RAA10-W-N13	9/23/03	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-N13	9/23/03	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-N13	9/23/03	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-W-N17	9/23/03	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-N17	9/23/03	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-N17	9/23/03	0-1	Soil	CT&E	VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-W-G20	9/24/03	0-1	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-G20	9/24/03	1-6	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-G20	9/24/03	6-15	Soil	CT&E	PCB	
Pre-Design Soil Investigation Sampling	RAA10-W-G21	9/24/03	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Pre-Design Soil Investigation Sampling	RAA10-W-I22	9/25/03	4-6	Soil	CT&E	VOC	
Renau Excavator Bucket Decon Wipe Sampling	RENAU-BUCKET-W1	9/4/03	NA	Wipe	CT&E	PCB	9/8/03
Renau Excavator Bucket Decon Wipe Sampling	RENAU-BUCKET-W2	9/4/03	NA	Wipe	CT&E	PCB	9/8/03
Renau Excavator Bucket Decon Wipe Sampling	RENAU-BUCKET-W3	9/4/03	NA	Wipe	CT&E	PCB	9/8/03

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

TABLE 7-2
PCB DATA RECEIVED DURING SEPTEMBER 2003

RENEAU EXCAVATIOR BUCKET DECON WIPE SAMPLING
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in µg/100cm^2)

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RENAU-BUCKET-W1	9/4/2003	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RENAU-BUCKET-W2	9/4/2003	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RENAU-BUCKET-W3	9/4/2003	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

Notes:

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

TABLE 7-3
PCB DATA RECEIVED DURING SEPTEMBER 2003

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

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-W-A18	0-1	9/2/2003	ND(0.038)	ND(0.048)	ND(0.038)	ND(0.024)	ND(0.024)	ND(0.024)	0.023 JP	0.023 J
	1-6	9/2/2003	ND(0.036)	ND(0.046)	ND(0.036)	ND(0.023)	ND(0.023)	ND(0.023)	ND(0.036)	ND(0.046)
	6-15	9/2/2003	ND(0.037)	ND(0.046)	ND(0.037)	ND(0.023)	ND(0.023)	ND(0.023)	ND(0.037)	ND(0.046)
RAA10-W-B17	0-1	9/3/2003	ND(0.018)	ND(0.022)	ND(0.018)	ND(0.011)	ND(0.011)	ND(0.011)	0.076 P	0.076
	1-6	9/3/2003	ND(0.019) [ND(0.019)]	ND(0.024) [ND(0.023)]	ND(0.019) [ND(0.019)]	ND(0.012) [ND(0.012)]	ND(0.012) [ND(0.012)]	ND(0.012) [ND(0.012)]	ND(0.019) [ND(0.019)]	ND(0.024) [ND(0.023)]
	6-15	9/3/2003	ND(0.018)	ND(0.023)	ND(0.018)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.018)	ND(0.023)
RAA10-W-C13	0-1	9/3/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
	1-6	9/3/2003	ND(0.018)	ND(0.023)	ND(0.018)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.018)	ND(0.023)
	6-15	9/3/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
RAA10-W-C15	0-1	9/2/2003	ND(0.035)	ND(0.044)	ND(0.035)	ND(0.022)	ND(0.022)	ND(0.022)	ND(0.035)	ND(0.044)
	1-6	9/2/2003	ND(0.034)	ND(0.043)	ND(0.034)	ND(0.022)	ND(0.022)	ND(0.022)	ND(0.034)	ND(0.043)
	6-15	9/2/2003	ND(0.037)	ND(0.046)	ND(0.037)	ND(0.023)	ND(0.023)	ND(0.023)	ND(0.037)	ND(0.046)
RAA10-W-C18	1-6	9/3/2003	ND(0.019)	ND(0.023)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.023)
	6-15	9/3/2003	ND(0.018)	ND(0.023)	ND(0.018)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.018)	ND(0.023)
RAA10-W-D12	0-1	8/12/2003	ND(0.017)	ND(0.022)	ND(0.017)	ND(0.011)	ND(0.011)	ND(0.011)	0.019 P	0.019
	1-6	8/12/2003	ND(0.021)	ND(0.026)	ND(0.021)	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.021)	ND(0.026)
	6-15	8/12/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
RAA10-W-E10	0-1	8/12/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
	1-6	8/12/2003	ND(0.018) [ND(0.018)]	ND(0.023) [ND(0.023)]	ND(0.018) [ND(0.018)]	ND(0.012) [ND(0.011)]	ND(0.012) [ND(0.011)]	ND(0.012) [ND(0.011)]	ND(0.018) [ND(0.018)]	ND(0.023) [ND(0.023)]
	6-12.3	8/12/2003	ND(0.018)	ND(0.023)	ND(0.018)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.018)	ND(0.023)
RAA10-W-E13	0-1	8/19/2003	ND(0.018)	ND(0.023)	ND(0.018)	ND(0.011)	ND(0.011)	ND(0.011)	0.15 P	0.15
	1-6	8/19/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
	6-15	8/19/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
RAA10-W-G9	0-1	8/13/2003	ND(0.018)	ND(0.023)	ND(0.018)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.018)	ND(0.023)
	1-6	8/13/2003	ND(0.020)	ND(0.025)	ND(0.020)	ND(0.013)	ND(0.013)	ND(0.013)	ND(0.020)	ND(0.025)
	6-12	8/13/2003	ND(0.018)	ND(0.023)	ND(0.018)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.018)	ND(0.023)
RAA10-W-H10	0-1	8/13/2003	ND(0.018)	ND(0.023)	ND(0.018)	ND(0.011)	ND(0.011)	ND(0.011)	0.091 P	0.091
	1-6	8/13/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
	6-13	8/13/2003	ND(0.018)	ND(0.023)	ND(0.018)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.018)	ND(0.023)
RAA10-W-I10	0-1	8/19/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	0.061 P	0.061
	1-6	8/19/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
	6-15	8/19/2003	ND(0.019)	ND(0.023)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.023)
RAA10-W-I17	0-1	8/20/2003	ND(0.018)	ND(0.022)	ND(0.018)	ND(0.011)	ND(0.011)	ND(0.011)	0.042 P	0.042
	1-6	8/20/2003	ND(0.017)	ND(0.022)	ND(0.017)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.017)	ND(0.022)
	6-15	8/20/2003	ND(0.018)	ND(0.023)	ND(0.018)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.018)	ND(0.023)
RAA10-W-J11	0-1	8/19/2003	ND(0.019)	ND(0.023)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.023)
	1-6	8/19/2003	ND(0.018)	ND(0.022)	ND(0.018)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.018)	ND(0.022)
	6-15	8/19/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
RAA10-W-J17	0-1	8/20/2003	ND(0.018)	ND(0.022)	ND(0.018)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.018)	ND(0.022)
	1-6	8/20/2003	ND(0.017)	ND(0.022)	ND(0.017)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.017)	ND(0.022)
	6-15	8/20/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
RAA10-W-J20	0-1	8/26/2003	ND(0.034)	ND(0.043)	ND(0.034)	ND(0.022)	ND(0.022)	ND(0.022)	0.049 P	0.049
	1-6	8/26/2003	ND(0.035)	ND(0.044)	ND(0.035)	ND(0.022)	ND(0.022)	ND(0.022)	ND(0.035)	ND(0.044)
	6-15	8/26/2003	ND(0.038)	ND(0.048)	ND(0.038)	ND(0.024)	ND(0.024)	ND(0.024)	ND(0.038)	ND(0.048)
RAA10-W-J21	0-1	8/26/2003	ND(0.035)	ND(0.044)	ND(0.035)	ND(0.022)	ND(0.022)	ND(0.022)	0.086 P	0.086
	1-6	8/26/2003	ND(0.036)	ND(0.045)	ND(0.036)	ND(0.023)	ND(0.023)	ND(0.023)	0.069 P	0.069
	6-15	8/26/2003	ND(0.036)	ND(0.046)	ND(0.036)	ND(0.023)	ND(0.023)	ND(0.023)	ND(0.036)	ND(0.046)

TABLE 7-3
PCB DATA RECEIVED DURING SEPTEMBER 2003

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

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-W-K11	0-1	8/19/2003	ND(0.035)	ND(0.044)	ND(0.035)	ND(0.022)	ND(0.022)	ND(0.022)	0.060 P	0.060
	1-6	8/19/2003	ND(0.019) [ND(0.020)]	ND(0.024) [ND(0.025)]	ND(0.019) [ND(0.020)]	ND(0.012) [ND(0.012)]	ND(0.012) [ND(0.012)]	ND(0.012) [ND(0.012)]	ND(0.019) [ND(0.020)]	ND(0.024) [ND(0.025)]
	6-11	8/19/2003	ND(0.018)	ND(0.023)	ND(0.018)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.018)	ND(0.023)
RAA10-W-K17	0-1	8/20/2003	ND(0.090)	ND(0.11)	ND(0.090)	ND(0.056)	ND(0.056)	ND(0.056)	0.11 P	0.11
	1-6	8/20/2003	ND(0.017)	ND(0.022)	ND(0.017)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.017)	ND(0.022)
	6-15	8/20/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
RAA10-W-K18	0-1	8/25/2003	ND(0.69)	ND(0.87)	ND(0.69)	ND(0.43)	ND(0.43)	ND(0.43)	0.70 P	0.70
	1-6	8/25/2003	ND(0.036)	ND(0.046)	ND(0.036)	ND(0.023)	ND(0.023)	ND(0.023)	0.058 P	0.058
	6-15	8/25/2003	ND(0.042) [ND(0.040)]	ND(0.053) [ND(0.050)]	ND(0.042) [ND(0.040)]	ND(0.026) [ND(0.025)]	ND(0.026) [ND(0.025)]	ND(0.026) [ND(0.025)]	ND(0.042) [ND(0.040)]	ND(0.053) [ND(0.050)]
RAA10-W-K19	0-1	8/25/2003	ND(0.037)	ND(0.047)	ND(0.037)	ND(0.024)	ND(0.024)	ND(0.024)	0.27 P	0.27
	1-6	8/25/2003	ND(0.038)	ND(0.048)	ND(0.038)	ND(0.024)	ND(0.024)	ND(0.024)	0.021 JP	0.021 J
	6-15	8/25/2003	ND(0.040)	ND(0.050)	ND(0.040)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.040)	ND(0.050)
RAA10-W-L12	0-1	8/18/2003	ND(0.018)	ND(0.023)	ND(0.018)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.018)	ND(0.023)
	1-6	8/18/2003	ND(0.019)	ND(0.023)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.023)
RAA10-W-L18	0-1	9/22/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	1.0	1.0
	1-6	9/22/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-13	9/22/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-W-M12	0-1	8/18/2003	ND(0.018)	ND(0.023)	ND(0.018)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.018)	ND(0.023)
	1-6	8/18/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
	6-8	8/18/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
RAA10-W-M13	0-1	8/18/2003	ND(0.018)	ND(0.023)	ND(0.018)	ND(0.011)	ND(0.011)	ND(0.011)	ND(0.018)	ND(0.023)
	1-6	8/18/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
	6-12	8/18/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
RAA10-W-M15	0-1	8/18/2003	ND(0.020)	ND(0.025)	ND(0.020)	ND(0.012)	ND(0.012)	ND(0.012)	0.013 JP	0.013 J
	1-6	8/18/2003	ND(0.018)	ND(0.023)	ND(0.018)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.018)	ND(0.023)
	6-12	8/18/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
RAA10-W-N12	0-1	9/22/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.068	0.068
	1-6	9/22/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	6-10	9/22/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.024 J	0.024 J

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to CompuChem Environmental Corporation and CT&E Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parentheses 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).
P - Greater than 25% difference between primary and confirmation collumn.

TABLE 7-4
APPENDIX IX+3 DATA RECEIVED DURING SEPTEMBER 2003

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

Parameter / Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-W-A18 0-1 09/02/03	RAA10-W-A18 1-6 09/02/03	RAA10-W-A18 4-6 09/02/03	RAA10-W-B17 0-1 09/03/03	RAA10-W-B17 6-15 09/03/03
Volatile Organics					
1,1,1-Trichloroethane	ND(0.0050)	NA	ND(0.0050)	ND(0.0040)	NA
1,2-Dichloroethane	ND(0.0050)	NA	ND(0.0050)	ND(0.0040)	NA
2-Butanone	0.0039 J	NA	0.0022 J	ND(0.011)	NA
4-Methyl-2-pentanone	ND(0.012)	NA	ND(0.013)	ND(0.011)	NA
Acetone	0.040	NA	0.021	0.012	NA
Acetonitrile	ND(0.0050)	NA	0.0083	ND(0.0040)	NA
Carbon Disulfide	ND(0.0050)	NA	ND(0.0050)	ND(0.0040)	NA
Ethylbenzene	ND(0.0050)	NA	ND(0.0050)	ND(0.0040)	NA
m&p-Xylene	ND(0.010)	NA	ND(0.010)	ND(0.0090)	NA
Methyl Methacrylate	0.0012 JB	NA	0.00080 JB	ND(0.044)	NA
Methylene Chloride	0.00069 JB	NA	0.00077 JB	0.0010 J	NA
o-Xylene	ND(0.0050)	NA	ND(0.0050)	ND(0.0040)	NA
Propionitrile	0.0033 JB	NA	ND(0.26)	ND(0.22)	NA
Toluene	0.00041 J	NA	ND(0.0050)	ND(0.0040)	NA
trans-1,4-Dichloro-2-butene	0.035 JB	NA	0.037 JB	0.037 JB	NA
Trichloroethene	ND(0.0050)	NA	ND(0.0050)	ND(0.0040)	NA
Trichlorofluoromethane	0.0011 J	NA	ND(0.0050)	ND(0.0040)	NA
Xylenes (total)	ND(0.015)	NA	ND(0.015)	ND(0.013)	NA
Semivolatile Organics					
2-Methylnaphthalene	ND(0.38)	ND(0.36)	NA	ND(0.35)	ND(0.36)
Acenaphthene	ND(0.38)	ND(0.36)	NA	ND(0.35)	ND(0.36)
Acenaphthylene	ND(0.38)	ND(0.36)	NA	ND(0.35)	ND(0.36)
Anthracene	ND(0.38)	ND(0.36)	NA	ND(0.35)	ND(0.36)
Benzo(a)anthracene	0.038 J	ND(0.36)	NA	0.054 J	ND(0.36)
Benzo(a)pyrene	0.037 J	ND(0.36)	NA	0.044 J	ND(0.36)
Benzo(b)fluoranthene	0.032 J	ND(0.36)	NA	0.037 J	ND(0.36)
Benzo(g,h,i)perylene	0.038 J	ND(0.36)	NA	0.032 J	ND(0.36)
Benzo(k)fluoranthene	0.049 J	ND(0.36)	NA	0.048 J	ND(0.36)
bis(2-Ethylhexyl)phthalate	0.035 J	ND(0.36)	NA	ND(0.35)	ND(0.36)
Chrysene	0.057 J	ND(0.36)	NA	0.056 J	ND(0.36)
Dibenzo(a,h)anthracene	0.015 J	ND(0.36)	NA	0.015 J	ND(0.36)
Dibenzofuran	ND(0.38)	ND(0.36)	NA	ND(0.35)	ND(0.36)
Di-n-Octylphthalate	ND(0.38)	ND(0.36)	NA	ND(0.35)	ND(0.36)
Fluoranthene	0.092 J	ND(0.36)	NA	0.091 J	ND(0.36)
Fluorene	ND(0.38)	ND(0.36)	NA	ND(0.35)	ND(0.36)
Indeno(1,2,3-cd)pyrene	ND(0.38)	ND(0.36)	NA	ND(0.35)	ND(0.36)
Naphthalene	ND(0.38)	ND(0.36)	NA	ND(0.35)	ND(0.36)
Phenanthrene	0.050 J	ND(0.36)	NA	0.049 J	ND(0.36)
Pyrene	0.087 J	ND(0.36)	NA	0.083 J	ND(0.36)
Furans					
2,3,7,8-TCDF	0.0000021	0.00000016	NA	0.0000018	0.00000013
TCDFs (total)	0.000017	0.00000070	NA	0.000026	0.00000053
1,2,3,7,8-PeCDF	0.0000010	ND(0.00000013) X	NA	0.00000076	ND(0.000000085) X
2,3,4,7,8-PeCDF	0.0000021	0.00000017	NA	0.0000049	0.00000023
PeCDFs (total)	0.000029	0.0000015	NA	0.000068	0.0000010
1,2,3,4,7,8-HxCDF	0.00000086	ND(0.00000010) X	NA	0.0000015	0.00000023
1,2,3,6,7,8-HxCDF	0.00000096	0.00000014	NA	0.0000016	0.00000012
1,2,3,7,8,9-HxCDF	ND(0.00000028)	ND(0.00000028)	NA	0.00000043	0.000000087
2,3,4,6,7,8-HxCDF	0.0000019	0.00000012	NA	0.0000048	0.000000080
HxCDFs (total)	0.000029	0.0000013	NA	0.000072	0.0000013
1,2,3,4,6,7,8-HpCDF	0.0000050	0.00000037	NA	0.0000049	0.00000052
1,2,3,4,7,8,9-HpCDF	0.00000038	ND(0.00000028)	NA	0.00000054	ND(0.000000085) X
HpCDFs (total)	0.000014	0.00000079	NA	0.000013	0.00000095
OCDF	0.0000078	ND(0.00000040) X	NA	0.0000023	0.00000046

TABLE 7-4
APPENDIX IX+3 DATA RECEIVED DURING SEPTEMBER 2003

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

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-W-A18 0-1 09/02/03	RAA10-W-A18 1-6 09/02/03	RAA10-W-A18 4-6 09/02/03	RAA10-W-B17 0-1 09/03/03	RAA10-W-B17 6-15 09/03/03
Dioxins						
2,3,7,8-TCDD		ND(0.00000013) X	ND(0.00000011)	NA	ND(0.00000013) X	ND(0.00000011) X
TCDDs (total)		0.00000035	0.00000016	NA	0.00000049	0.00000044
1,2,3,7,8-PeCDD		ND(0.00000022) X	ND(0.00000028)	NA	0.00000029	ND(0.00000019) X
PeCDDs (total)		0.0000024	0.0000011	NA	0.0000033	0.0000025
1,2,3,4,7,8-HxCDD		0.00000027	ND(0.00000028)	NA	0.00000020	ND(0.000000098) X
1,2,3,6,7,8-HxCDD		0.00000084	ND(0.00000028)	NA	0.00000045	0.00000028
1,2,3,7,8,9-HxCDD		0.00000061	ND(0.00000028)	NA	0.00000047	0.00000015
HxCDDs (total)		0.0000075	ND(0.00000028)	NA	0.0000047	0.00000063
1,2,3,4,6,7,8-HpCDD		0.000020	0.0000010	NA	0.0000024	0.00000046
HpCDDs (total)		0.000035	0.0000018	NA	0.0000051	0.00000069
OCDD		0.00014	0.0000057	NA	0.000018	0.0000013
Total TEQs (WHO TEFs)		0.0000023	0.00000040	NA	0.0000041	0.00000039
Inorganics						
Antimony		ND(0.430) N	ND(0.440) N	NA	ND(0.420)	ND(0.410)
Arsenic		3.40	2.70	NA	1.60	0.850 B
Barium		29.0	20.0	NA	14.4	11.4
Beryllium		0.260 B	0.200 B	NA	0.120 B	0.0600 B
Cadmium		0.390 B	0.270 B	NA	0.230 B	0.0500 B
Chromium		8.10	6.00	NA	4.40	2.90
Cobalt		6.30	5.00	NA	24.1	2.10
Copper		15.8	12.3	NA	17.8	4.50
Cyanide		ND(0.0200)	0.260 B	NA	0.160 B	0.190 B
Lead		11.1 N	4.90 N	NA	8.80	2.60
Mercury		0.0280 B	ND(0.0180)	NA	0.0260 B	ND(0.0180)
Nickel		13.1	10.5	NA	8.20	4.00
Selenium		0.830 N	0.640 N	NA	ND(0.460)	ND(0.440)
Silver		ND(0.160)	ND(0.160)	NA	0.210 B	ND(0.160)
Thallium		ND(0.470) N	ND(0.480) N	NA	ND(0.470)	ND(0.460)
Tin		6.50	5.50	NA	4.50	2.40
Vanadium		13.2	6.30	NA	7.10	2.90
Zinc		59.8 E	34.9 E	NA	27.3	13.5

TABLE 7-4
APPENDIX IX+3 DATA RECEIVED DURING SEPTEMBER 2003

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-W-B17 9-11 09/03/03	RAA10-W-C15 0-1 09/02/03	RAA10-W-C15 6-15 09/02/03	RAA10-W-C15 12-14 09/02/03	RAA10-W-C18 0-1 09/03/03
Volatile Organics					
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
1,2-Dichloroethane	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
2-Butanone	ND(0.014)	ND(0.012)	NA	ND(0.011)	0.010 J
4-Methyl-2-pentanone	ND(0.014)	ND(0.012)	NA	ND(0.011)	ND(0.013)
Acetone	0.021	0.024	NA	0.0054 J	0.10
Acetonitrile	ND(0.0050)	ND(0.0050)	NA	0.0053	0.0084
Carbon Disulfide	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)	0.00049 J
Ethylbenzene	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
m&p-Xylene	ND(0.011)	ND(0.010)	NA	ND(0.0090)	ND(0.010)
Methyl Methacrylate	ND(0.054)	ND(0.048)	NA	ND(0.046)	ND(0.052)
Methylene Chloride	0.0016 J	0.00058 JB	NA	ND(0.0050)	0.0026 J
o-Xylene	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Propionitrile	ND(0.27)	0.0027 JB	NA	ND(0.23)	ND(0.26)
Toluene	ND(0.0050)	0.00039 J	NA	ND(0.0050)	0.00093 J
trans-1,4-Dichloro-2-butene	0.046 JB	0.035 JB	NA	0.039 JB	0.044 JB
Trichloroethene	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Trichlorofluoromethane	ND(0.0050)	ND(0.0050)	NA	ND(0.0050)	ND(0.0050)
Xylenes (total)	ND(0.016)	ND(0.014)	NA	ND(0.014)	ND(0.016)
Semivolatile Organics					
2-Methylnaphthalene	NA	ND(0.35)	ND(0.36)	NA	0.042 J
Acenaphthene	NA	ND(0.35)	ND(0.36)	NA	0.14 J
Acenaphthylene	NA	0.75	ND(0.36)	NA	ND(0.38)
Anthracene	NA	0.37	ND(0.36)	NA	0.17 J
Benzo(a)anthracene	NA	2.1	ND(0.36)	NA	0.48
Benzo(a)pyrene	NA	2.0	ND(0.36)	NA	0.37 J
Benzo(b)fluoranthene	NA	1.9	ND(0.36)	NA	0.33 J
Benzo(g,h,i)perylene	NA	0.74	ND(0.36)	NA	0.15 J
Benzo(k)fluoranthene	NA	1.7	ND(0.36)	NA	0.40
bis(2-Ethylhexyl)phthalate	NA	ND(0.35)	ND(0.36)	NA	ND(0.38)
Chrysene	NA	2.0	ND(0.36)	NA	0.50
Dibenzo(a,h)anthracene	NA	0.46	ND(0.36)	NA	0.096 J
Dibenzofuran	NA	ND(0.35)	ND(0.36)	NA	0.063 J
Di-n-Octylphthalate	NA	ND(0.35)	ND(0.36)	NA	ND(0.38)
Fluoranthene	NA	2.1	ND(0.36)	NA	0.98
Fluorene	NA	0.020 J	ND(0.36)	NA	0.12 J
Indeno(1,2,3-cd)pyrene	NA	1.0	ND(0.36)	NA	0.18 J
Naphthalene	NA	ND(0.35)	ND(0.36)	NA	0.044 J
Phenanthrene	NA	0.13 J	ND(0.36)	NA	0.83
Pyrene	NA	2.0	ND(0.36)	NA	0.90
Furans					
2,3,7,8-TCDF	NA	0.00000047	0.00000013	NA	0.0000030
TCDFs (total)	NA	0.0000097	0.00000019	NA	0.000024
1,2,3,7,8-PeCDF	NA	0.00000029	ND(0.000000072) X	NA	0.0000010
2,3,4,7,8-PeCDF	NA	0.0000017	0.000000053	NA	0.0000031
PeCDFs (total)	NA	0.000014	0.000000053	NA	0.000032
1,2,3,4,7,8-HxCDF	NA	0.00000042	ND(0.00000026)	NA	0.0000024
1,2,3,6,7,8-HxCDF	NA	0.00000064	ND(0.000000080) X	NA	0.0000012
1,2,3,7,8,9-HxCDF	NA	0.00000021	ND(0.00000026)	NA	0.00000073
2,3,4,6,7,8-HxCDF	NA	0.0000019	ND(0.00000026)	NA	0.0000022
HxCDFs (total)	NA	0.000029	0.000000065	NA	0.000034
1,2,3,4,6,7,8-HpCDF	NA	0.0000019	ND(0.000000095) X	NA	0.0000075
1,2,3,4,7,8,9-HpCDF	NA	0.00000024	ND(0.00000026)	NA	0.00000084
HpCDFs (total)	NA	0.0000054	0.000000074	NA	0.000020
OCDF	NA	0.00000073	ND(0.00000053)	NA	0.000013

TABLE 7-4
APPENDIX IX+3 DATA RECEIVED DURING SEPTEMBER 2003

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

Parameter / Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-W-B17 9-11 09/03/03	RAA10-W-C15 0-1 09/02/03	RAA10-W-C15 6-15 09/02/03	RAA10-W-C15 12-14 09/02/03	RAA10-W-C18 0-1 09/03/03
Dioxins					
2,3,7,8-TCDD	NA	ND(0.000000097) X	ND(0.00000014) X	NA	ND(0.00000034) X
TCDDs (total)	NA	ND(0.00000030)	ND(0.00000040)	NA	0.000011
1,2,3,7,8-PeCDD	NA	ND(0.00000020) X	0.00000011	NA	0.00000082
PeCDDs (total)	NA	0.00000040	0.00000011	NA	0.000017
1,2,3,4,7,8-HxCDD	NA	ND(0.00000010) X	ND(0.00000026)	NA	0.00000042
1,2,3,6,7,8-HxCDD	NA	0.00000024	ND(0.00000026)	NA	0.0000024
1,2,3,7,8,9-HxCDD	NA	0.00000023	ND(0.00000011) X	NA	0.0000013
HxCDDs (total)	NA	0.0000019	0.00000021	NA	0.000017
1,2,3,4,6,7,8-HpCDD	NA	0.0000012	0.00000051	NA	0.000024
HpCDDs (total)	NA	0.0000024	0.0000011	NA	0.000043
OCDD	NA	0.0000072	0.0000048	NA	0.00018
Total TEQs (WHO TEFs)	NA	0.0000015	0.00000030	NA	0.0000043
Inorganics					
Antimony	NA	ND(0.390) N	ND(0.430) N	NA	ND(0.460)
Arsenic	NA	2.00	2.50	NA	3.40
Barium	NA	17.9	41.4	NA	30.3
Beryllium	NA	0.140 B	0.140 B	NA	0.230 B
Cadmium	NA	0.220 B	0.250 B	NA	0.500 B
Chromium	NA	5.70	6.30	NA	11.4
Cobalt	NA	3.90	5.50	NA	6.50
Copper	NA	10.0	9.80	NA	18.4
Cyanide	NA	ND(0.0200)	ND(0.0200)	NA	0.150 B
Lead	NA	6.10 N	4.30 N	NA	13.7
Mercury	NA	ND(0.0150)	ND(0.0170)	NA	0.0620
Nickel	NA	9.00	10.2	NA	14.1
Selenium	NA	0.440 BN	0.590 N	NA	0.770
Silver	NA	ND(0.150)	ND(0.160)	NA	ND(0.170)
Thallium	NA	ND(0.430) N	ND(0.470) N	NA	ND(0.510)
Tin	NA	4.70	5.10	NA	6.90
Vanadium	NA	7.40	6.60	NA	15.1
Zinc	NA	30.1 E	33.8 E	NA	55.3

TABLE 7-4
APPENDIX IX+3 DATA RECEIVED DURING SEPTEMBER 2003

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-W-D12 0-1 08/12/03	RAA10-W-E10 0-1 08/12/03	RAA10-W-E13 1-6 08/19/03	RAA10-W-E13 4-6 08/19/03	RAA10-W-I10 0-1 08/19/03
Volatile Organics					
1,1,1-Trichloroethane	ND(0.0044)	ND(0.0050)	NA	ND(0.0050)	ND(0.0051)
1,2-Dichloroethane	ND(0.0044)	ND(0.0050)	NA	ND(0.0050)	0.0019 J
2-Butanone	ND(0.011)	ND(0.012)	NA	ND(0.012)	0.0032 J
4-Methyl-2-pentanone	ND(0.011)	ND(0.012)	NA	ND(0.012)	0.00055 J
Acetone	0.0066 JB	0.0026 JB	NA	0.084	0.017
Acetonitrile	ND(0.0044)	ND(0.0050)	NA	ND(0.0050)	ND(0.0051)
Carbon Disulfide	ND(0.0044)	ND(0.0050)	NA	ND(0.0050)	ND(0.0051)
Ethylbenzene	ND(0.0044)	ND(0.0050)	NA	ND(0.0050)	0.0014 J
m&p-Xylene	ND(0.0088)	ND(0.0099)	NA	ND(0.010)	0.00090 J
Methyl Methacrylate	ND(0.044)	ND(0.050)	NA	ND(0.048)	ND(0.051)
Methylene Chloride	0.00064 JB	0.0010 JB	NA	ND(0.0050)	0.00080 JB
o-Xylene	ND(0.0044)	ND(0.0050)	NA	ND(0.0050)	0.00067 J
Propionitrile	ND(0.22)	ND(0.25)	NA	ND(0.24)	ND(0.25)
Toluene	ND(0.0044)	0.00046 JB	NA	ND(0.0050)	0.0015 J
trans-1,4-Dichloro-2-butene	ND(0.088)	ND(0.099)	NA	0.0040 J	0.037 JB
Trichloroethene	ND(0.0044)	0.00076 J	NA	ND(0.0050)	ND(0.0051)
Trichlorofluoromethane	ND(0.0044)	ND(0.0050)	NA	ND(0.0050)	ND(0.0051)
Xylenes (total)	ND(0.013)	ND(0.015)	NA	ND(0.014)	0.0016 J
Semivolatile Organics					
2-Methylnaphthalene	ND(0.34)	ND(0.38)	ND(0.37)	NA	4.4 J
Acenaphthene	ND(0.34)	ND(0.38)	ND(0.37)	NA	25
Acenaphthylene	ND(0.34)	ND(0.38)	ND(0.37)	NA	ND(11)
Anthracene	ND(0.34)	ND(0.38)	ND(0.37)	NA	34
Benzo(a)anthracene	ND(0.34)	ND(0.38)	ND(0.37)	NA	60
Benzo(a)pyrene	ND(0.34)	ND(0.38)	ND(0.37)	NA	46
Benzo(b)fluoranthene	ND(0.34)	ND(0.38)	ND(0.37)	NA	48
Benzo(g,h,i)perylene	ND(0.34)	ND(0.38)	ND(0.37)	NA	16
Benzo(k)fluoranthene	ND(0.34)	ND(0.38)	ND(0.37)	NA	44
bis(2-Ethylhexyl)phthalate	0.041 JB	ND(0.38)	0.13 J	NA	ND(11)
Chrysene	ND(0.34)	ND(0.38)	ND(0.37)	NA	64
Dibenzo(a,h)anthracene	ND(0.34)	ND(0.38)	ND(0.37)	NA	8.9 J
Dibenzofuran	ND(0.34)	ND(0.38)	ND(0.37)	NA	13
Di-n-Octylphthalate	ND(0.34)	ND(0.38)	0.60	NA	ND(11)
Fluoranthene	ND(0.34)	ND(0.38)	0.023 J	NA	150
Fluorene	ND(0.34)	ND(0.38)	ND(0.37)	NA	25
Indeno(1,2,3-cd)pyrene	ND(0.34)	ND(0.38)	ND(0.37)	NA	20
Naphthalene	ND(0.34)	ND(0.38)	ND(0.37)	NA	6.4 J
Phenanthrene	ND(0.34)	ND(0.38)	0.018 J	NA	170
Pyrene	ND(0.34)	ND(0.38)	ND(0.37)	NA	150
Furans					
2,3,7,8-TCDF	0.00000034 J	ND(0.00000027)	0.00000032 J	NA	0.0000030 J
TCDFs (total)	0.000010	ND(0.0000010)	0.0000030	NA	0.000023
1,2,3,7,8-PeCDF	ND(0.00000053)	ND(0.00000035)	0.00000019 J	NA	0.0000037 J
2,3,4,7,8-PeCDF	0.0000032	ND(0.00000035)	0.00000041 J	NA	0.0000070 J
PeCDFs (total)	0.000033	0.00000049	0.0000038	NA	0.000026
1,2,3,4,7,8-HxCDF	0.00000042 J	ND(0.00000030)	0.00000016 J	NA	0.0000038 J
1,2,3,6,7,8-HxCDF	0.00000061 J	ND(0.00000027)	0.00000017 J	NA	0.0000046 J
1,2,3,7,8,9-HxCDF	ND(0.00000023) X	ND(0.00000035)	ND(0.00000027)	NA	0.0000019 JQ
2,3,4,6,7,8-HxCDF	0.0000019 J	ND(0.00000030)	0.00000025 J	NA	0.0000063 J
HxCDFs (total)	0.000029	0.00000092	0.0000032	NA	0.000063
1,2,3,4,6,7,8-HpCDF	0.0000012 J	ND(0.00000027)	0.00000034 J	NA	0.0000057 J
1,2,3,4,7,8,9-HpCDF	0.00000021 J	ND(0.00000032)	ND(0.000000044) X	NA	0.0000023 J
HpCDFs (total)	0.0000038	ND(0.00000028)	0.00000066	NA	0.000013
OCDF	0.00000056 J	ND(0.00000055)	0.00000023 J	NA	0.0000072 J

TABLE 7-4
APPENDIX IX+3 DATA RECEIVED DURING SEPTEMBER 2003

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

Parameter / Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-W-D12 0-1 08/12/03	RAA10-W-E10 0-1 08/12/03	RAA10-W-E13 1-6 08/19/03	RAA10-W-E13 4-6 08/19/03	RAA10-W-I10 0-1 08/19/03
Dioxins					
2,3,7,8-TCDD	ND(0.00000010)	ND(0.00000015)	ND(0.00000011)	NA	ND(0.0000012)
TCDDs (total)	0.00000011	ND(0.00000026)	0.000000068	NA	ND(0.0000022)
1,2,3,7,8-PeCDD	0.00000018 J	ND(0.00000053)	ND(0.00000027)	NA	0.0000028 J
PeCDDs (total)	0.00000077	ND(0.00000053)	0.000000089	NA	0.0000028
1,2,3,4,7,8-HxCDD	ND(0.00000014) X	ND(0.00000041)	ND(0.00000027)	NA	0.0000028 J
1,2,3,6,7,8-HxCDD	ND(0.00000024) X	ND(0.00000037)	0.000000074 J	NA	0.0000032 J
1,2,3,7,8,9-HxCDD	0.00000021 J	ND(0.00000041)	ND(0.000000068) X	NA	ND(0.0000039) X
HxCDDs (total)	0.00000054	ND(0.00000039)	0.00000034	NA	0.0000060
1,2,3,4,6,7,8-HpCDD	0.0000011 J	0.00000034 J	0.00000044 J	NA	0.0000065 J
HpCDDs (total)	0.0000021	0.00000056	0.00000080	NA	0.0000092
OCDD	0.0000059	0.0000030 J	0.0000028 J	NA	0.000022 J
Total TEQs (WHO TEFs)	0.0000022	0.00000057	0.00000054	NA	0.000010
Inorganics					
Antimony	0.620 BN	0.510 BN	ND(0.300) N	NA	ND(0.290) N
Arsenic	3.40 N	2.40 N	3.40	NA	3.40
Barium	43.7 *	26.5 *	21.9 E	NA	46.9 E
Beryllium	0.430 B	0.290 B	0.230 B	NA	0.260 B
Cadmium	0.140 B	ND(0.0400)	0.0600 B	NA	0.100 B
Chromium	9.60	7.30	7.70	NA	8.70
Cobalt	13.1 N*E	6.10 N*E	6.30 *	NA	8.10 *
Copper	14.3 NE	9.90 NE	12.2	NA	15.1
Cyanide	ND(0.0200)	0.0600 B	0.0600 B	NA	0.540 B
Lead	7.00 N	5.00 N	9.70	NA	8.80
Mercury	0.0550	0.0350	0.290	NA	0.0210 B
Nickel	15.9 E	11.5 E	12.7 E	NA	13.5 E
Selenium	ND(0.440)	ND(0.450)	ND(0.340)	NA	ND(0.340)
Silver	ND(0.150)	ND(0.160)	ND(0.140)	NA	ND(0.140)
Thallium	ND(0.450) N*	ND(0.470) N*	ND(0.360)	NA	ND(0.360)
Tin	8.70	6.20	1.30 B	NA	1.60 B
Vanadium	11.5 E	7.30 E	8.90	NA	11.0
Zinc	55.0 NE	41.1 NE	40.8	NA	46.0

TABLE 7-4
APPENDIX IX+3 DATA RECEIVED DURING SEPTEMBER 2003

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-W-J21 0-1 08/26/03	RAA10-W-J21 6-15 08/26/03	RAA10-W-J21 10-12 08/26/03	RAA10-W-K11 1-6 08/19/03
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0040)	NA	ND(0.0040)	NA
1,2-Dichloroethane	ND(0.0040)	NA	ND(0.0040)	NA
2-Butanone	ND(0.011)	NA	ND(0.011)	NA
4-Methyl-2-pentanone	ND(0.011)	NA	ND(0.011)	NA
Acetone	0.0082 J	NA	0.0096 J	NA
Acetonitrile	0.0053	NA	0.0062	NA
Carbon Disulfide	ND(0.0040)	NA	ND(0.0040)	NA
Ethylbenzene	ND(0.0040)	NA	ND(0.0040)	NA
m&p-Xylene	ND(0.0090)	NA	ND(0.0090)	NA
Methyl Methacrylate	ND(0.044)	NA	ND(0.044)	NA
Methylene Chloride	0.0017 JB	NA	0.0016 JB	NA
o-Xylene	ND(0.0040)	NA	ND(0.0040)	NA
Propionitrile	0.0028 JB	NA	ND(0.22)	NA
Toluene	0.00065 J	NA	0.00091 J	NA
trans-1,4-Dichloro-2-butene	0.032 JB	NA	0.032 JB	NA
Trichloroethene	ND(0.0040)	NA	ND(0.0040)	NA
Trichlorofluoromethane	ND(0.0040)	NA	ND(0.0040)	NA
Xylenes (total)	ND(0.013)	NA	ND(0.013)	NA
Semivolatile Organics				
2-Methylnaphthalene	ND(0.35)	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Acenaphthene	ND(0.35)	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Acenaphthylene	0.051 J	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Anthracene	0.026 J	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Benzo(a)anthracene	0.14 J	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Benzo(a)pyrene	0.16 J	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Benzo(b)fluoranthene	0.13 J	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Benzo(g,h,i)perylene	0.14 J	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Benzo(k)fluoranthene	0.18 J	ND(0.36)	NA	ND(0.37) [ND(0.39)]
bis(2-Ethylhexyl)phthalate	ND(0.35)	ND(0.36)	NA	ND(0.37) [0.036 J]
Chrysene	0.17 J	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Dibenzo(a,h)anthracene	0.051 J	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Dibenzofuran	ND(0.35)	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Di-n-Octylphthalate	ND(0.35)	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Fluoranthene	0.25 J	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Fluorene	ND(0.35)	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Indeno(1,2,3-cd)pyrene	0.14 J	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Naphthalene	ND(0.35)	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Phenanthrene	0.049 J	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Pyrene	0.23 J	ND(0.36)	NA	ND(0.37) [ND(0.39)]
Furans				
2,3,7,8-TCDF	0.0000021 J	ND(0.00000011)	NA	0.00000013 J [0.00000015 J]
TCDFs (total)	0.000034	ND(0.00000011)	NA	0.00000098 [0.00000078]
1,2,3,7,8-PeCDF	0.0000034 J	0.00000010 J	NA	ND(0.000000082) X [ND(0.00000029)]
2,3,4,7,8-PeCDF	0.000035	0.00000011 J	NA	0.00000015 J [0.00000021 J]
PeCDFs (total)	0.00025	0.00000021	NA	0.0000022 [0.0000029]
1,2,3,4,7,8-HxCDF	0.000024	0.000000067 J	NA	ND(0.00000015) X [0.00000016 J]
1,2,3,6,7,8-HxCDF	0.000012 J	0.00000011 J	NA	0.000000094 J [0.00000011 J]
1,2,3,7,8,9-HxCDF	0.000012 J	0.00000011 J	NA	ND(0.00000029) [ND(0.00000029)]
2,3,4,6,7,8-HxCDF	0.000020 J	ND(0.00000027)	NA	0.00000011 J [0.00000016 J]
HxCDFs (total)	0.00027	0.00000029	NA	0.0000021 [0.0000029]
1,2,3,4,6,7,8-HpCDF	0.000022 J	0.00000012 J	NA	0.00000015 J [0.00000021 J]
1,2,3,4,7,8,9-HpCDF	0.0000084 J	ND(0.00000027)	NA	ND(0.00000029) [ND(0.00000029)]
HpCDFs (total)	0.000061	0.00000012	NA	0.00000034 [0.00000021]
OCDF	0.000013 J	ND(0.00000054)	NA	ND(0.00000011) X [0.00000017 J]

TABLE 7-4
APPENDIX IX+3 DATA RECEIVED DURING SEPTEMBER 2003

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

Parameter / Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-W-J21 0-1 08/26/03	RAA10-W-J21 6-15 08/26/03	RAA10-W-J21 10-12 08/26/03	RAA10-W-K11 1-6 08/19/03
Dioxins				
2,3,7,8-TCDD	ND(0.0000013) X	ND(0.00000011)	NA	ND(0.00000011) [ND(0.000000091) X]
TCDDs (total)	0.000010	0.000000078	NA	ND(0.00000028) [0.00000019]
1,2,3,7,8-PeCDD	0.0000078 J	ND(0.00000012) X	NA	ND(0.00000029) [ND(0.000000058) X]
PeCDDs (total)	0.00026	0.00000017	NA	0.00000018 [0.00000016]
1,2,3,4,7,8-HxCDD	0.0000087 J	ND(0.00000027)	NA	ND(0.00000029) [ND(0.00000029)]
1,2,3,6,7,8-HxCDD	0.000038	ND(0.00000027)	NA	ND(0.00000029) [0.000000065 J]
1,2,3,7,8,9-HxCDD	0.000019 J	ND(0.00000027)	NA	ND(0.00000029) [ND(0.00000029)]
HxCDDs (total)	0.00032	ND(0.00000040)	NA	0.00000013 [0.00000019]
1,2,3,4,6,7,8-HpCDD	0.000090	0.00000029 J	NA	0.00000033 J [0.00000031 J]
HpCDDs (total)	0.00019	0.00000029	NA	0.00000062 [0.00000061]
OCDD	0.000090 B	0.0000019 J	NA	0.0000024 J [0.0000025 J]
Total TEQs (WHO TEFs)	0.000041	0.00000027	NA	0.00000038 [0.00000030]
Inorganics				
Antimony	ND(0.390) N	ND(0.420) N	NA	ND(0.300) N [ND(0.320) N]
Arsenic	3.00	1.30	NA	2.70 [2.70]
Barium	24.6	12.6	NA	21.0 E [23.9 E]
Beryllium	0.210 B	0.0900 B	NA	0.170 B [0.190 B]
Cadmium	0.310 B	0.100 B	NA	ND(0.0500) [ND(0.0600)]
Chromium	6.80	3.90	NA	6.60 [7.00]
Cobalt	6.20	3.20	NA	5.50 * [5.80 *]
Copper	14.7	7.50	NA	10.7 [10.7]
Cyanide	ND(0.0200)	ND(0.0200)	NA	ND(0.0200) [0.0800 B]
Lead	9.90 N	3.30 N	NA	4.90 [5.20]
Mercury	0.0180 B	ND(0.0160)	NA	ND(0.0170) [ND(0.0170)]
Nickel	12.1	6.10	NA	10.8 E [11.3 E]
Selenium	0.630 N	0.480 BN	NA	ND(0.350) [ND(0.360)]
Silver	ND(0.150)	ND(0.160)	NA	ND(0.140) [ND(0.150)]
Thallium	ND(0.430) N	ND(0.460) N	NA	ND(0.370) [ND(0.390)]
Tin	6.70	3.80	NA	1.30 B [1.20 B]
Vanadium	10.0	4.10	NA	6.60 [7.50]
Zinc	40.9 E	18.8 E	NA	33.5 [46.2]

TABLE 7-4
APPENDIX IX+3 DATA RECEIVED DURING SEPTEMBER 2003

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-W-K11 4-6 08/19/03	RAA10-W-K11 6-11 08/19/03	RAA10-W-K11 10-11 08/19/03	RAA10-W-K17 1-6 08/20/03
Volatile Organics				
1,1,1-Trichloroethane	ND(0.0050) [ND(0.0050)]	NA	ND(0.0044)	NA
1,2-Dichloroethane	ND(0.0050) [ND(0.0050)]	NA	ND(0.0044)	NA
2-Butanone	ND(0.012) [ND(0.013)]	NA	ND(0.011)	NA
4-Methyl-2-pentanone	ND(0.012) [ND(0.013)]	NA	ND(0.011)	NA
Acetone	ND(0.012) [ND(0.013)]	NA	0.011	NA
Acetonitrile	ND(0.0050) [ND(0.0050)]	NA	0.0077	NA
Carbon Disulfide	ND(0.0050) [ND(0.0050)]	NA	ND(0.0044)	NA
Ethylbenzene	ND(0.0050) [ND(0.0050)]	NA	ND(0.0044)	NA
m&p-Xylene	ND(0.010) [ND(0.010)]	NA	ND(0.0087)	NA
Methyl Methacrylate	ND(0.050) [ND(0.052)]	NA	ND(0.044)	NA
Methylene Chloride	ND(0.0050) [ND(0.0050)]	NA	0.00051 JB	NA
o-Xylene	ND(0.0050) [ND(0.0050)]	NA	ND(0.0044)	NA
Propionitrile	ND(0.25) [ND(0.26)]	NA	ND(0.22)	NA
Toluene	ND(0.0050) [ND(0.0050)]	NA	ND(0.0044)	NA
trans-1,4-Dichloro-2-butene	ND(0.10) [ND(0.10)]	NA	0.032 JB	NA
Trichloroethene	ND(0.0050) [ND(0.0050)]	NA	ND(0.0044)	NA
Trichlorofluoromethane	ND(0.0050) [ND(0.0050)]	NA	ND(0.0044)	NA
Xylenes (total)	ND(0.015) [ND(0.016)]	NA	ND(0.013)	NA
Semivolatile Organics				
2-Methylnaphthalene	NA	ND(0.36)	NA	ND(0.34)
Acenaphthene	NA	ND(0.36)	NA	ND(0.34)
Acenaphthylene	NA	ND(0.36)	NA	ND(0.34)
Anthracene	NA	ND(0.36)	NA	ND(0.34)
Benzo(a)anthracene	NA	ND(0.36)	NA	ND(0.34)
Benzo(a)pyrene	NA	ND(0.36)	NA	ND(0.34)
Benzo(b)fluoranthene	NA	ND(0.36)	NA	ND(0.34)
Benzo(g,h,i)perylene	NA	ND(0.36)	NA	ND(0.34)
Benzo(k)fluoranthene	NA	ND(0.36)	NA	ND(0.34)
bis(2-Ethylhexyl)phthalate	NA	ND(0.36)	NA	ND(0.34)
Chrysene	NA	ND(0.36)	NA	ND(0.34)
Dibenzo(a,h)anthracene	NA	ND(0.36)	NA	ND(0.34)
Dibenzofuran	NA	ND(0.36)	NA	ND(0.34)
Di-n-Octylphthalate	NA	ND(0.36)	NA	ND(0.34)
Fluoranthene	NA	ND(0.36)	NA	ND(0.34)
Fluorene	NA	ND(0.36)	NA	ND(0.34)
Indeno(1,2,3-cd)pyrene	NA	ND(0.36)	NA	ND(0.34)
Naphthalene	NA	ND(0.36)	NA	ND(0.34)
Phenanthrene	NA	ND(0.36)	NA	ND(0.34)
Pyrene	NA	ND(0.36)	NA	ND(0.34)
Furans				
2,3,7,8-TCDF	NA	0.000000081 J	NA	ND(0.00000010)
TCDFs (total)	NA	0.000000081	NA	ND(0.00000010)
1,2,3,7,8-PeCDF	NA	ND(0.000000049) X	NA	ND(0.000000094) X
2,3,4,7,8-PeCDF	NA	ND(0.000000055) X	NA	0.00000013 J
PeCDFs (total)	NA	ND(0.00000027)	NA	0.0000019
1,2,3,4,7,8-HxCDF	NA	ND(0.00000027)	NA	0.000000060 J
1,2,3,6,7,8-HxCDF	NA	ND(0.000000077) X	NA	0.00000011 J
1,2,3,7,8,9-HxCDF	NA	ND(0.00000027)	NA	ND(0.00000026)
2,3,4,6,7,8-HxCDF	NA	ND(0.00000027)	NA	0.00000011 J
HxCDFs (total)	NA	0.000000051	NA	0.0000015
1,2,3,4,6,7,8-HpCDF	NA	0.000000077 J	NA	0.00000022 J
1,2,3,4,7,8,9-HpCDF	NA	ND(0.00000027)	NA	ND(0.00000026)
HpCDFs (total)	NA	0.000000077	NA	0.00000048
OCDF	NA	ND(0.00000053)	NA	0.00000022 J

TABLE 7-4
APPENDIX IX+3 DATA RECEIVED DURING SEPTEMBER 2003

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

Parameter / Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-W-K11 4-6 08/19/03	RAA10-W-K11 6-11 08/19/03	RAA10-W-K11 10-11 08/19/03	RAA10-W-K17 1-6 08/20/03
Dioxins				
2,3,7,8-TCDD	NA	ND(0.00000011)	NA	ND(0.00000010)
TCDDs (total)	NA	ND(0.00000026)	NA	ND(0.00000022)
1,2,3,7,8-PeCDD	NA	ND(0.00000027)	NA	0.000000075 J
PeCDDs (total)	NA	ND(0.00000028)	NA	0.000000075
1,2,3,4,7,8-HxCDD	NA	ND(0.000000096) X	NA	ND(0.00000010) X
1,2,3,6,7,8-HxCDD	NA	ND(0.00000027)	NA	ND(0.00000026)
1,2,3,7,8,9-HxCDD	NA	ND(0.00000027)	NA	0.000000079 J
HxCDDs (total)	NA	ND(0.00000042)	NA	0.00000019
1,2,3,4,6,7,8-HpCDD	NA	0.00000021 J	NA	0.00000077 J
HpCDDs (total)	NA	0.00000021	NA	0.0000018
OCDD	NA	0.0000016 J	NA	0.000014
Total TEQs (WHO TEFs)	NA	0.00000029	NA	0.00000028
Inorganics				
Antimony	NA	ND(0.310) N	NA	ND(0.290) N
Arsenic	NA	2.70	NA	3.40
Barium	NA	21.5 E	NA	24.1 *E
Beryllium	NA	0.170 B	NA	0.210 B
Cadmium	NA	ND(0.0500)	NA	ND(0.0500)
Chromium	NA	6.50	NA	6.80
Cobalt	NA	5.80 *	NA	9.30 *
Copper	NA	11.2	NA	17.2 *
Cyanide	NA	ND(0.0200)	NA	ND(0.0200)
Lead	NA	4.70	NA	14.7 N*
Mercury	NA	ND(0.0180)	NA	0.0250 B
Nickel	NA	10.7 E	NA	17.5 *
Selenium	NA	ND(0.350)	NA	ND(0.330)
Silver	NA	ND(0.140)	NA	ND(0.130)
Thallium	NA	0.540 B	NA	ND(0.350)
Tin	NA	1.60 B	NA	3.80 *
Vanadium	NA	6.30	NA	7.70
Zinc	NA	33.6	NA	42.6

TABLE 7-4
APPENDIX IX+3 DATA RECEIVED DURING SEPTEMBER 2003

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-W-K17 5-6 08/20/03	RAA10-W-K18 0-1 08/25/03	RAA10-W-K19 0-1 08/25/03	RAA10-W-K19 1-6 08/25/03	RAA10-W-M15 0-1 08/18/03
Volatile Organics					
1,1,1-Trichloroethane	ND(0.0040)	ND(0.0040)	0.00057 J	ND(0.0050)	ND(0.0054)
1,2-Dichloroethane	ND(0.0040)	ND(0.0040)	ND(0.0050)	ND(0.0050)	ND(0.0054)
2-Butanone	ND(0.011)	0.0035 J	ND(0.013)	ND(0.014)	ND(0.013)
4-Methyl-2-pentanone	ND(0.011)	ND(0.011)	ND(0.013)	ND(0.014)	ND(0.013)
Acetone	0.0083 JB	0.029	0.021	0.017	0.054
Acetonitrile	ND(0.0040)	ND(0.0040)	ND(0.0050)	ND(0.0050)	ND(0.0054)
Carbon Disulfide	ND(0.0040)	ND(0.0040)	ND(0.0050)	ND(0.0050)	ND(0.0054)
Ethylbenzene	ND(0.0040)	ND(0.0040)	ND(0.0050)	ND(0.0050)	ND(0.0054)
m&p-Xylene	ND(0.0090)	ND(0.0090)	ND(0.010)	ND(0.011)	ND(0.011)
Methyl Methacrylate	ND(0.044)	0.00088 JB	0.00068 JB	ND(0.055)	ND(0.054)
Methylene Chloride	ND(0.0040)	0.00071 JB	0.00060 JB	ND(0.0050)	ND(0.0054)
o-Xylene	ND(0.0040)	ND(0.0040)	ND(0.0050)	ND(0.0050)	ND(0.0054)
Propionitrile	ND(0.22)	0.0071 JB	0.0060 JB	0.0045 JB	ND(0.27)
Toluene	ND(0.0040)	0.00040 J	ND(0.0050)	ND(0.0050)	ND(0.0054)
trans-1,4-Dichloro-2-butene	0.037 JB	0.032 JB	0.037 JB	0.040 JB	ND(0.11)
Trichloroethene	ND(0.0040)	ND(0.0040)	ND(0.0050)	ND(0.0050)	ND(0.0054)
Trichlorofluoromethane	ND(0.0040)	ND(0.0040)	ND(0.0050)	ND(0.0050)	ND(0.0054)
Xylenes (total)	ND(0.013)	ND(0.013)	ND(0.015)	ND(0.016)	ND(0.016)
Semivolatile Organics					
2-Methylnaphthalene	NA	0.11 J	ND(0.37)	ND(0.38)	ND(0.39)
Acenaphthene	NA	ND(0.34)	ND(0.37)	ND(0.38)	ND(0.39)
Acenaphthylene	NA	0.092 J	0.019 J	ND(0.38)	ND(0.39)
Anthracene	NA	0.050 J	ND(0.37)	ND(0.38)	ND(0.39)
Benzo(a)anthracene	NA	0.26 J	0.041 J	ND(0.38)	ND(0.39)
Benzo(a)pyrene	NA	0.22 J	0.046 J	ND(0.38)	ND(0.39)
Benzo(b)fluoranthene	NA	0.22 J	0.040 J	ND(0.38)	ND(0.39)
Benzo(g,h,i)perylene	NA	0.092 J	0.038 J	ND(0.38)	ND(0.39)
Benzo(k)fluoranthene	NA	0.25 J	0.042 J	ND(0.38)	ND(0.39)
bis(2-Ethylhexyl)phthalate	NA	ND(0.34)	ND(0.37)	ND(0.38)	ND(0.39)
Chrysene	NA	0.25 J	0.059 J	ND(0.38)	ND(0.39)
Dibenzo(a,h)anthracene	NA	0.031 J	0.021 J	ND(0.38)	ND(0.39)
Dibenzofuran	NA	ND(0.34)	ND(0.37)	ND(0.38)	ND(0.39)
Di-n-Octylphthalate	NA	ND(0.34)	ND(0.37)	ND(0.38)	ND(0.39)
Fluoranthene	NA	0.38	0.052 J	ND(0.38)	ND(0.39)
Fluorene	NA	0.024 J	ND(0.37)	ND(0.38)	ND(0.39)
Indeno(1,2,3-cd)pyrene	NA	ND(0.34)	ND(0.37)	ND(0.38)	ND(0.39)
Naphthalene	NA	ND(0.34)	ND(0.37)	ND(0.38)	ND(0.39)
Phenanthrene	NA	0.088 J	0.024 J	ND(0.38)	ND(0.39)
Pyrene	NA	0.36	0.056 J	ND(0.38)	ND(0.39)
Furans					
2,3,7,8-TCDF	NA	0.0000024 Y	0.0000044 Y	0.00000026 J	0.00000037 J
TCDFs (total)	NA	0.000095	0.00012	0.0000060	0.0000064
1,2,3,7,8-PeCDF	NA	ND(0.0000018)	0.0000018 J	0.00000019 J	ND(0.00000027)
2,3,4,7,8-PeCDF	NA	0.000031	0.000043	0.0000021 J	0.0000022 J
PeCDFs (total)	NA	0.00035	0.00050	0.000024	0.000018
1,2,3,4,7,8-HxCDF	NA	0.0000066	0.0000085	0.00000051 J	0.00000098 J
1,2,3,6,7,8-HxCDF	NA	0.0000067	0.0000096	0.00000059 J	0.00000070 J
1,2,3,7,8,9-HxCDF	NA	0.0000030 J	0.0000031 J	0.00000022 J	0.00000048 J
2,3,4,6,7,8-HxCDF	NA	0.000022	0.000035	0.0000016 J	0.0000017 J
HxCDFs (total)	NA	0.00030	0.00045	0.000022	0.000022
1,2,3,4,6,7,8-HpCDF	NA	0.000019	0.000035	0.0000017 J	0.0000012 J
1,2,3,4,7,8,9-HpCDF	NA	0.0000029 J	0.0000036 J	0.00000022 J	0.00000032 J
HpCDFs (total)	NA	0.000054	0.000096	0.0000047	0.0000033
OCDF	NA	0.000011	0.000023	0.0000011 J	0.00000046 J

TABLE 7-4
APPENDIX IX+3 DATA RECEIVED DURING SEPTEMBER 2003

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-W-K17 5-6 08/20/03	RAA10-W-K18 0-1 08/25/03	RAA10-W-K19 0-1 08/25/03	RAA10-W-K19 1-6 08/25/03	RAA10-W-M15 0-1 08/18/03
Dioxins					
2,3,7,8-TCDD	NA	ND(0.00000023) X	ND(0.00000032) X	ND(0.00000011)	ND(0.00000011)
TCDDs (total)	NA	0.0000020	0.0000029	ND(0.00000023)	0.0000026
1,2,3,7,8-PeCDD	NA	ND(0.0000017) X	ND(0.0000025) X	ND(0.00000024) X	ND(0.00000033) X
PeCDDs (total)	NA	0.000015	0.000016	0.00000056	0.0000053
1,2,3,4,7,8-HxCDD	NA	0.0000012 J	ND(0.0000013) X	ND(0.00000014) X	0.00000027 J
1,2,3,6,7,8-HxCDD	NA	0.0000051 J	0.0000042 J	0.00000026 J	0.0000020 J
1,2,3,7,8,9-HxCDD	NA	0.0000027 J	0.0000023 J	0.00000019 J	0.0000011 J
HxCDDs (total)	NA	0.000050	0.000042	0.0000011	0.000017
1,2,3,4,6,7,8-HpCDD	NA	0.000015	0.000019	0.0000011 J	0.0000046
HpCDDs (total)	NA	0.000033	0.000039	0.0000023	0.0000097
OCDD	NA	0.000047	0.00014	0.0000081	0.0000067
Total TEQs (WHO TEFs)	NA	0.000022	0.000030	0.0000016	0.0000022
Inorganics					
Antimony	NA	ND(0.380) N	ND(0.420) N	ND(0.430) N	ND(0.330) N
Arsenic	NA	2.80	2.00	2.20	3.50
Barium	NA	52.2	18.4	18.1	22.2 E
Beryllium	NA	0.170 B	0.120 B	0.130 B	0.220 B
Cadmium	NA	0.370 B	0.290 B	0.280 B	0.0800 B
Chromium	NA	7.10	4.80	5.40	6.10
Cobalt	NA	6.10	4.00	4.70	7.50 *
Copper	NA	15.7	13.0	9.80	14.5
Cyanide	NA	ND(0.0200)	ND(0.0200)	ND(0.0200)	ND(0.0200)
Lead	NA	10.3 N	10.4 N	4.90 N	6.20
Mercury	NA	0.0680	0.0260 B	ND(0.0180)	0.0250 B
Nickel	NA	12.4	8.90	9.10	11.5 E
Selenium	NA	0.570 N	0.530 BN	ND(0.470) N	ND(0.380)
Silver	NA	ND(0.140)	ND(0.160)	ND(0.160)	ND(0.150)
Thallium	NA	ND(0.420) N	ND(0.470) N	ND(0.480) N	ND(0.400)
Tin	NA	6.40	5.40	5.40	1.70 B
Vanadium	NA	14.3	8.50	7.10	7.10
Zinc	NA	44.4 E	29.9 E	30.2 E	38.3

TABLE 7-4
APPENDIX IX+3 DATA RECEIVED DURING SEPTEMBER 2003

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

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-W-M15 1-6 08/18/03	RAA10-W-M15 3-4 08/18/03	RAA10-W-M15 6-12 08/18/03	RAA10-W-M15 8-10 08/18/03
Volatile Organics				
1,1,1-Trichloroethane	NA	ND(0.0055)	NA	ND(0.0048)
1,2-Dichloroethane	NA	ND(0.0055)	NA	ND(0.0048)
2-Butanone	NA	ND(0.014)	NA	ND(0.012)
4-Methyl-2-pentanone	NA	ND(0.014)	NA	ND(0.012)
Acetone	NA	ND(0.014)	NA	0.0077 J
Acetonitrile	NA	ND(0.0055)	NA	ND(0.0048)
Carbon Disulfide	NA	ND(0.0055)	NA	ND(0.0048)
Ethylbenzene	NA	ND(0.0055)	NA	ND(0.0048)
m&p-Xylene	NA	ND(0.011)	NA	ND(0.0095)
Methyl Methacrylate	NA	ND(0.055)	NA	ND(0.048)
Methylene Chloride	NA	ND(0.0055)	NA	0.00097 JB
o-Xylene	NA	ND(0.0055)	NA	ND(0.0048)
Propionitrile	NA	ND(0.27)	NA	ND(0.24)
Toluene	NA	ND(0.0055)	NA	ND(0.0048)
trans-1,4-Dichloro-2-butene	NA	ND(0.11)	NA	0.035 JB
Trichloroethene	NA	ND(0.0055)	NA	ND(0.0048)
Trichlorofluoromethane	NA	ND(0.0055)	NA	ND(0.0048)
Xylenes (total)	NA	ND(0.016)	NA	ND(0.014)
Semivolatile Organics				
2-Methylnaphthalene	ND(0.36)	NA	ND(0.38)	NA
Acenaphthene	ND(0.36)	NA	ND(0.38)	NA
Acenaphthylene	ND(0.36)	NA	ND(0.38)	NA
Anthracene	ND(0.36)	NA	ND(0.38)	NA
Benzo(a)anthracene	ND(0.36)	NA	ND(0.38)	NA
Benzo(a)pyrene	ND(0.36)	NA	ND(0.38)	NA
Benzo(b)fluoranthene	ND(0.36)	NA	ND(0.38)	NA
Benzo(g,h,i)perylene	ND(0.36)	NA	ND(0.38)	NA
Benzo(k)fluoranthene	ND(0.36)	NA	ND(0.38)	NA
bis(2-Ethylhexyl)phthalate	ND(0.36)	NA	0.075 J	NA
Chrysene	ND(0.36)	NA	ND(0.38)	NA
Dibenzo(a,h)anthracene	ND(0.36)	NA	ND(0.38)	NA
Dibenzofuran	ND(0.36)	NA	ND(0.38)	NA
Di-n-Octylphthalate	ND(0.36)	NA	ND(0.38)	NA
Fluoranthene	ND(0.36)	NA	ND(0.38)	NA
Fluorene	ND(0.36)	NA	ND(0.38)	NA
Indeno(1,2,3-cd)pyrene	ND(0.36)	NA	ND(0.38)	NA
Naphthalene	ND(0.36)	NA	ND(0.38)	NA
Phenanthrene	ND(0.36)	NA	ND(0.38)	NA
Pyrene	ND(0.36)	NA	ND(0.38)	NA
Furans				
2,3,7,8-TCDF	0.000000078 J	NA	0.000000064 J	NA
TCDFs (total)	0.00000030	NA	0.000000064	NA
1,2,3,7,8-PeCDF	ND(0.00000026)	NA	ND(0.00000029)	NA
2,3,4,7,8-PeCDF	0.000000094 J	NA	0.000000050 J	NA
PeCDFs (total)	0.00000059	NA	0.000000050	NA
1,2,3,4,7,8-HxCDF	ND(0.00000026)	NA	ND(0.00000029)	NA
1,2,3,6,7,8-HxCDF	0.000000078 J	NA	ND(0.000000050) X	NA
1,2,3,7,8,9-HxCDF	ND(0.00000026)	NA	ND(0.00000029)	NA
2,3,4,6,7,8-HxCDF	ND(0.00000026)	NA	ND(0.00000029)	NA
HxCDFs (total)	0.00000057	NA	ND(0.00000029)	NA
1,2,3,4,6,7,8-HpCDF	0.000000086 J	NA	0.000000073 J	NA
1,2,3,4,7,8,9-HpCDF	ND(0.00000026)	NA	ND(0.00000029)	NA
HpCDFs (total)	0.000000086	NA	0.000000073	NA
OCDF	ND(0.00000052)	NA	ND(0.00000057)	NA

TABLE 7-4
APPENDIX IX+3 DATA RECEIVED DURING SEPTEMBER 2003

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

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-W-M15 1-6 08/18/03	RAA10-W-M15 3-4 08/18/03	RAA10-W-M15 6-12 08/18/03	RAA10-W-M15 8-10 08/18/03
Dioxins					
2,3,7,8-TCDD		ND(0.00000011)	NA	ND(0.00000011)	NA
TCDDs (total)		0.000000092	NA	ND(0.00000011)	NA
1,2,3,7,8-PeCDD		ND(0.00000026)	NA	ND(0.00000029)	NA
PeCDDs (total)		ND(0.00000026)	NA	ND(0.00000036)	NA
1,2,3,4,7,8-HxCDD		ND(0.00000026)	NA	ND(0.00000029)	NA
1,2,3,6,7,8-HxCDD		ND(0.00000026)	NA	ND(0.00000029)	NA
1,2,3,7,8,9-HxCDD		ND(0.00000026)	NA	ND(0.00000029)	NA
HxCDDs (total)		0.00000016	NA	0.00000011	NA
1,2,3,4,6,7,8-HpCDD		ND(0.00000034) X	NA	0.00000030 J	NA
HpCDDs (total)		0.00000028	NA	0.00000058	NA
OCDD		0.0000022 J	NA	0.0000020 J	NA
Total TEQs (WHO TEFs)		0.00000034	NA	0.00000033	NA
Inorganics					
Antimony		ND(0.290) N	NA	ND(0.300) N	NA
Arsenic		2.10	NA	1.60	NA
Barium		16.9 E	NA	15.8 E	NA
Beryllium		0.160 B	NA	0.140 B	NA
Cadmium		0.0600 B	NA	ND(0.0500)	NA
Chromium		4.20	NA	6.90	NA
Cobalt		4.20 *	NA	5.40 *	NA
Copper		8.70	NA	9.90	NA
Cyanide		0.0900 B	NA	ND(0.0200)	NA
Lead		4.00	NA	3.90	NA
Mercury		ND(0.0180)	NA	0.0210 B	NA
Nickel		8.40 E	NA	10.8 E	NA
Selenium		ND(0.330)	NA	ND(0.340)	NA
Silver		ND(0.130)	NA	ND(0.140)	NA
Thallium		ND(0.350)	NA	ND(0.360)	NA
Tin		1.30 B	NA	1.20 B	NA
Vanadium		5.10	NA	5.40	NA
Zinc		25.4	NA	30.8	NA

TABLE 7-4
APPENDIX IX+3 DATA RECEIVED DURING SEPTEMBER 2003

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

Notes:

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

Data Qualifiers:

Organics (volatiles, semivolatiles, dioxin/furans)

- B - Analyte was also detected in the associated method blank.
- J - Indicates an estimated value less than the practical quantitation limit (PQL).
- Q - Indicates the presence of quantitative interferences.
- X - Estimated maximum possible concentration.
- Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

- B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
- E - Serial dilution results not within 10%. Applicable only if analyte concentration is at least 50X the IDL in original sample.
- N - Indicates sample matrix spike analysis was outside control limits.
- * - Indicates laboratory duplicate analysis was outside control limits.

ITEM 8
FORMER OXBOW AREAS A & C
(GECD410)
SEPTEMBER 2003

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

a. Activities Undertaken/Completed.

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted notification to Lead Administrative Trustee (Massachusetts Executive Office of Environmental Affairs) that GE does not intend to use Former Oxbow Areas A and C for installation of forested/wetland habitat as part of natural resource restoration/enhancement measures under the CD (September 25, 2003).

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

- Await EPA approval of GE's August 15, 2003 Pre-Design Investigation Report.
- Continue discussions with non-GE property owners regarding EREs. (GE's Pre-Design Investigation Report requested an extension of time to notify EPA and MDEP regarding whether non-GE property owners within this area will agree to EREs, until 30 days after Supplemental Pre-Design Investigation Report.)

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 9
LYMAN STREET AREA
(GECD430)
SEPTEMBER 2003

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

a. Activities Undertaken/Completed

Completed additional supplemental soil sampling.

b. Sampling/Test Results Received

See attached table

c. Work Plans/Reports/Documents Submitted

- Submitted proposal for additional supplemental soil sampling (September 5, 2003).
- Submitted status report concerning ERE responses from owners and requested extension of time to submit ERE Notices to one month after submission of Additional Supplemental Pre-Design Investigation Report (September 11, 2003).

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

- Continue discussions with non-GE property owners regarding EREs.
- Submit Additional Supplemental Pre-Design Investigation Report (due October 24, 2003).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA approval of GE's August 18, 2003 supplemental soil sampling proposal and September 5, 2003 additional supplemental soil sampling proposal (September 9, 2003).

TABLE 9-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

LYMAN STREET AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA12-DUP-35 (RAA12-Y4NW)	9/26/03	1-3	Soil	CT&E	Lead	
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA12-DUP-36 (RAA12-V6SE)	9/26/03	1-3	Soil	CT&E	SVOC	
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA12-DUP-37 (RAA12-U9N)	9/26/03	1-3	Soil	CT&E	PCDD/PCDF	
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA12-U8N	9/26/03	1-3	Soil	CT&E	SVOC	
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA12-U9N	9/26/03	0-1	Soil	CT&E	PCDD/PCDF	
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA12-U9N	9/26/03	1-3	Soil	CT&E	SVOC, PCDD/PCDF	
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA12-V6NE	9/26/03	1-3	Soil	CT&E	SVOC	
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA12-V6SE	9/26/03	1-3	Soil	CT&E	SVOC	
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA12-V6SW	9/26/03	1-3	Soil	CT&E	SVOC	
Additional Supplemental Pre-Design Soil Investigation Sampling	RAA12-Y4NW	9/26/03	1-3	Soil	CT&E	Lead	

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

ITEM 10
NEWELL STREET AREA I
(GECD440)
SEPTEMBER 2003

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

a. Activities Undertaken/Completed

- Completed demolition of buildings at Parcels J9-23-16 and J9-23-23 and removed debris from Parcel J9-23-16 to OPCA.

- Conducted ambient air sampling for PCBs and particulate matter in conjunction with above-described building demolition activities.

- Continued discussions with non-GE property owners regarding access for remediation activities.

- Mailed access agreement requests to owner and tenant of Parcel J9-23-18 for a Conditional Solution approach to remediate property (September 23, 2003) and faxed restoration agreement to owner (September 29, 2003).

- Mailed revised restoration agreement to owner of Parcel J9-23-17 (September 18, 2003).

b. Sampling/Test Results Received

See attached tables

c. Work Plans/Reports/Documents Submitted

Submitted Supplemental Information Package with Contractor work plans (September 26, 2003).

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

- Submit final executed ERE and associated documentation for Parcel J9-23-24 following further discussions with EPA and MDEP.

- Continue discussions with remaining non-GE property owners regarding access for remediation.

- Complete removal of demolition debris at GE-owned Parcel J9-23-16.

- Begin soil remediation activities at J9-23-16, -17, and -18 following EPA approval of Supplemental Information Package.

ITEM 10
(cont'd)
NEWELL STREET AREA I
(GECD440)
SEPTEMBER 2003

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

GE will conduct discussions with remaining non-GE property owners regarding access for remediation.

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

Received EPA conditional approval of final RD/RA Work Plan (September 15, 2003).

TABLE 10-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

NEWELL STREET AREA I
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
PCB Ambient Air Sampling	(C) South side (front) of J9-23-16 (South)	09/09 - 09/10/03	Air	Berkshire Environmental	PCB	9/17/03
PCB Ambient Air Sampling	(D) North side (rear) of J9-23-13 (Northwest)	09/09 - 09/10/03	Air	Berkshire Environmental	PCB	9/17/03
PCB Ambient Air Sampling	(D) North side (rear) of J9-23-13 colocated (Northwest)	09/09 - 09/10/03	Air	Berkshire Environmental	PCB	9/17/03
PCB Ambient Air Sampling	(K) North side (rear) of J9-23-24 (Northeast)	09/09 - 09/10/03	Air	Berkshire Environmental	PCB	9/17/03
PCB Ambient Air Sampling	(L) South side (front) of J9-23-24 (East)	09/09 - 09/10/03	Air	Berkshire Environmental	PCB	9/17/03
PCB Ambient Air Sampling	Background Inside GE Gate 31	09/09 - 09/10/03	Air	Berkshire Environmental	PCB	9/17/03
PCB Ambient Air Sampling	(C) South side (front) of J9-23-16 (South)	09/18 - 09/19/03	Air	Berkshire Environmental	PCB	9/23/03
PCB Ambient Air Sampling	(D) North side (rear) of J9-23-13 (Northwest)	09/18 - 09/19/03	Air	Berkshire Environmental	PCB	9/23/03
PCB Ambient Air Sampling	(D) North side (rear) of J9-23-13 colocated (Northwest)	09/18 - 09/19/03	Air	Berkshire Environmental	PCB	9/23/03
PCB Ambient Air Sampling	(E) Southeast corner of J9-23-17 (SE)	09/18 - 09/19/03	Air	Berkshire Environmental	PCB	9/23/03
PCB Ambient Air Sampling	(G) North side (rear) of J9-23-17 (NE)	09/18 - 09/19/03	Air	Berkshire Environmental	PCB	9/23/03
PCB Ambient Air Sampling	Background Inside GE Gate 31	09/18 - 09/19/03	Air	Berkshire Environmental	PCB	9/23/03
Ambient Air Particulate Matter Sampling	Southeast of J9-23-23	9/25/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of J9-23-23	9/25/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of J9-23-23	9/26/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of J9-23-23	9/26/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of J9-23-23	9/26/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of J9-23-23	9/27/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of J9-23-23	9/27/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of J9-23-23	9/27/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of J9-23-23	9/27/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of J9-23-23	9/29/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of J9-23-23	9/29/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of J9-23-23	9/29/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of J9-23-23	9/29/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southwest of J9-23-23	9/30/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northwest of J9-23-23	9/30/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Southeast of J9-23-23	9/30/03	Air	Berkshire Environmental	Particulate Matter	10/2/03
Ambient Air Particulate Matter Sampling	Northeast of J9-23-23	9/30/03	Air	Berkshire Environmental	Particulate Matter	10/2/03

TABLE 10-2
AIR SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

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

Date	(C) South side (front) of J9-23-16 (South) (µg/m^3)	(D) North side (rear) of J9-23-13 (Northwest) (µg/m^3)	(D) North side (rear) of J9-23-13 colocated (Northwest) (µg/m^3)	(E) Southeast corner of J9-23-17 (SE) (µg/m^3)	(G) North side (rear) of J9-23-17 (NE) (µg/m^3)	(K) North side (rear) of J9-23-24 (Northeast) (µg/m^3)	(L) South side (front) of J9-23-24 (East) (µg/m^3)	Background Inside GE Gate 31 (µg/m^3)
09/09 - 09/10/03	0.0007	0.0024	0.0011	NS	NS	0.0012	ND	0.0019
09/18 - 09/19/03	0.0006	0.0050	0.0083	0.0004	0.0013	NS	NS	0.0019
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05

Note:
NS - Sampling not performed at this locaion.
ND - Non Detect (<0.0003)
A hit at the detection limit was detected on the blank for the samples run 9/18 - 9/19/03. The hit did not have any impact on sample results.

TABLE 10-3
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING SEPTEMBER 2003

BUILDING DEMOLITION PROGRAM
NEWELL STREET AREA I
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
09/25/03	Southwest of J9-23-23	NA[1]	0.021*	NA[1]	SW
	Northwest of J9-23-23	NA[1]		NA[1]	
	Southeast of J9-23-23	0.024		5:00[2]	
	Northeast of J9-23-23	0.047		9:00	
09/26/03	Southwest of J9-23-23	0.026*	0.012*	6:15[3]	ENE
	Northwest of J9-23-23	NA[1]		NA[1]	
	Southeast of J9-23-23	0.015		6:30[3]	
	Northeast of J9-23-23	0.017		6:15[3]	
09/29/03	Southwest of J9-23-23	0.018*	0.009*	8:00[3]	NA
	Northwest of J9-23-23	0.009		7:45[3]	
	Southeast of J9-23-23	0.002		8:15[3]	
	Northeast of J9-23-23	0.013		8:15[3]	
09/30/03	Southwest of J9-23-23	0.005*	NA[4]	4:45[5]	NA
	Northwest of J9-23-23	0.001		11:30	
	Southeast of J9-23-23	0.002		10:15	
	Northeast of J9-23-23	0.031		10:30	
Notification Level		0.120			

NA - Not Available
* Measured with DR-2000. All others measured with pDR-1000.
Background monitoring location located inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street.
[1] Sampling was not performed due to inaccessibility of site.
[2] Sampling period was shortened due to interference from an insect (spider).
[3] Sampling period was shortened due to precipitation/threat of precipitation.
[4] Sampling data is not available due to equipment failure.
[5] Sampling period was shortened due to instrument malfunction (dead battery).

ITEM 11
NEWELL STREET AREA II
(GECD450)
SEPTEMBER 2003

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted notification to EPA and MDEP regarding whether non-GE property owners within this area will agree to EREs (September 11, 2003).

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 12
FORMER OXBOW AREAS J & K
(GECD420)
SEPTEMBER 2003

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

a. Activities Undertaken/Completed

Continued discussions with property owners regarding whether they will agree to EREs.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted further status report as to whether property owners will agree to EREs (September 11, 2003).

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

Submit notification to EPA and MDEP regarding EREs for properties at which owners have not yet provided responses, as soon as owners respond to requests for decisions.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA conditional approval of GE's July 11, 2003 Pre-Design Investigation Report (September 29, 2003).

ITEM 13
HOUSATONIC RIVER AREA
UPPER ½ MILE REACH
(GECD800)
SEPTEMBER 2003

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

a. Activities Undertaken/Completed

- Obtained bi-weekly mussel samples (September 9, 12, and 19, 2003).
- Conducted vegetation and aquatic habitat inspection (September 10-12, 2003).

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

Monitor seepage meters, if possible.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

- Issues relating to total organic carbon content in isolation layer remain to be resolved. GE report on those issues will be submitted within 6 months from installation of seepage meters (i.e., in late February 2004). Final Completion Report for Upper ½-Mile Reach Removal Action will be submitted following resolution of those issues.
- Seepage meter monitoring has not occurred due to increased water levels.

f. Proposed/Approved Work Plan Modifications

None

TABLE 13-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

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

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
2003 Housatonic River Caged Mussel Study	LOC1-NB-S1	8/22/03		Biota	NEA	PCB, %Lipids	9/9/03
2003 Housatonic River Caged Mussel Study	LOC1-NB-S2	8/22/03		Biota	NEA	PCB, %Lipids	9/9/03
2003 Housatonic River Caged Mussel Study	LOC1-SB-S1	8/22/03		Biota	NEA	PCB, %Lipids	9/9/03
2003 Housatonic River Caged Mussel Study	LOC1-SB-S2	8/22/03		Biota	NEA	PCB, %Lipids	9/9/03
2003 Housatonic River Caged Mussel Study	LOC2-NB-T1	8/22/03		Biota	NEA	PCB, %Lipids	9/9/03
2003 Housatonic River Caged Mussel Study	LOC2-NB-T2	8/22/03		Biota	NEA	PCB, %Lipids	9/9/03
2003 Housatonic River Caged Mussel Study	LOC2-SB-S	8/22/03		Biota	NEA	PCB, %Lipids	9/9/03
2003 Housatonic River Caged Mussel Study	LOC2-SB-T	8/22/03		Biota	NEA	PCB, %Lipids	9/9/03
2003 Housatonic River Caged Mussel Study	LOC3-NB-S	8/22/03		Biota	NEA	PCB, %Lipids	9/9/03
2003 Housatonic River Caged Mussel Study	LOC3-NB-T	8/22/03		Biota	NEA	PCB, %Lipids	9/9/03
2003 Housatonic River Caged Mussel Study	LOC3-SB-S	8/22/03		Biota	NEA	PCB, %Lipids	9/9/03
2003 Housatonic River Caged Mussel Study	LOC3-SB-T	8/22/03		Biota	NEA	PCB, %Lipids	9/9/03
Isolation Layer Cap Sampling	CAP-MON-6-2A	8/27/03	2-4	Sediment	NEA	PCB, TOC	9/12/03
Isolation Layer Cap Sampling	CAP-MON-6-2A	8/27/03	4-6	Sediment	NEA	PCB, TOC	9/12/03
Isolation Layer Cap Sampling	CAP-MON-6-2A	8/27/03	6-8	Sediment	NEA	PCB, TOC	9/12/03
Isolation Layer Cap Sampling	CAP-MON-6-2B	8/27/03	0-16	Sediment	NEA	TOC	9/12/03
Isolation Layer Cap Sampling	CAP-MON-6-2C	8/27/03	0-16	Sediment	NEA	TOC	9/12/03
Isolation Layer Cap Sampling	CAP-MON-6-2D	8/27/03	0-14	Sediment	NEA	TOC	9/12/03
Isolation Layer Cap Sampling	CAP-MON-7-2A	8/27/03	2-4	Sediment	NEA	PCB, TOC	9/12/03
Isolation Layer Cap Sampling	CAP-MON-7-2A	8/27/03	4-6	Sediment	NEA	PCB, TOC	9/12/03
Isolation Layer Cap Sampling	CAP-MON-7-2A	8/27/03	6-8	Sediment	NEA	PCB, TOC	9/12/03
Isolation Layer Cap Sampling	CAP-MON-7-2B	8/27/03	0-14	Sediment	NEA	TOC	9/12/03
Isolation Layer Cap Sampling	CAP-MON-7-2C	8/27/03	0-13	Sediment	NEA	TOC	9/12/03
Isolation Layer Cap Sampling	CAP-MON-7-2D	8/27/03	0-13	Sediment	NEA	TOC	9/12/03
Isolation Layer Cap Sampling	CAP-MON-8-2A	8/27/03	2-4	Sediment	NEA	PCB, TOC	9/15/03
Isolation Layer Cap Sampling	CAP-MON-8-2A	8/27/03	4-6	Sediment	NEA	PCB, TOC	9/15/03
Isolation Layer Cap Sampling	CAP-MON-8-2A	8/27/03	6-8	Sediment	NEA	PCB, TOC	9/15/03
Isolation Layer Cap Sampling	CAP-MON-8-2B	8/27/03	0-14	Sediment	NEA	TOC	9/15/03
Isolation Layer Cap Sampling	CAP-MON-8-2C	8/27/03	0-13	Sediment	NEA	TOC	9/15/03
Isolation Layer Cap Sampling	CAP-MON-8-2D	8/27/03	0-12	Sediment	NEA	TOC	9/15/03
Isolation Layer Cap Sampling	CAP-MON-DUP (CAP-MON-6-2A)	8/27/03	6-8	Sediment	NEA	PCB, TOC	9/15/03

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

TABLE 13-2
PCB AND PERCENT LIPIDS DATA RECEIVED DURING SEPTEMBER 2003

2003 HOUSATONIC RIVER CAGED MUSSEL STUDY
HOUSATONIC RIVER - UPPER 1/2 MILE REACH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs	Percent Lipids (%)
LOC1-NB-S1	8/22/2003	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.077 AF	ND(0.0540)	0.077	0.482
LOC1-NB-S2	8/22/2003	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.058 AF	ND(0.054)	0.058	0.324
LOC1-SB-S1	8/22/2003	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.10 AF	ND(0.053)	0.10	0.528
LOC1-SB-S2	8/22/2003	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.080 AF	ND(0.054)	0.080	0.403
LOC2-NB-T1	8/22/2003	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.13 AF	0.069	0.199	0.371
LOC2-NB-T2	8/22/2003	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.16 AF	0.075	0.235	0.485
LOC2-SB-S	8/22/2003	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.13 AF	0.058	0.188	0.339
LOC2-SB-T	8/22/2003	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.13 AF	0.053	0.183	0.468
LOC3-NB-S	8/22/2003	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.21 AF	0.29	0.50	0.582
LOC3-NB-T	8/22/2003	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.22 AF	0.28	0.50	0.482
LOC3-SB-S	8/22/2003	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	0.13 AF	0.17	0.30	0.349
LOC3-SB-T	8/22/2003	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.15 AF	0.17	0.32	0.371

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Northeast Analytical, Inc. for analysis of PCBs and % Lipids.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

TABLE 13-3
SEDIMENT SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

ISOLATION LAYER CAP SAMPLING
HOUSATONIC RIVER - UPPER 1/2 MILE REACH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Inches): / Parameter / Date Collected:	CAP-MON-6-2A 2-4 08/27/03	CAP-MON-6-2A 4-6 08/27/03	CAP-MON-6-2A 6-8 08/27/03	CAP-MON-6-2B 0-16 08/27/03	CAP-MON-6-2C 0-16 08/27/03	CAP-MON-6-2D 0-14 08/27/03	CAP-MON-7-2A 2-4 08/27/03	CAP-MON-7-2A 4-6 08/27/03	CAP-MON-7-2A 6-8 08/27/03
PCBs									
Aroclor-1016	ND(0.061)	ND(0.059)	ND(0.061) [ND(0.060)]	NA[1]	NA[1]	NA[1]	ND(0.058)	ND(0.058)	ND(0.060)
Aroclor-1221	ND(0.061)	ND(0.059)	ND(0.061) [ND(0.060)]	NA[1]	NA[1]	NA[1]	ND(0.058)	ND(0.058)	ND(0.060)
Aroclor-1232	ND(0.061)	ND(0.059)	ND(0.061) [ND(0.060)]	NA[1]	NA[1]	NA[1]	ND(0.058)	ND(0.058)	ND(0.060)
Aroclor-1242	ND(0.061)	ND(0.059)	ND(0.061) [ND(0.060)]	NA[1]	NA[1]	NA[1]	ND(0.058)	ND(0.058)	ND(0.060)
Aroclor-1248	ND(0.061)	ND(0.059)	ND(0.061) [ND(0.060)]	NA[1]	NA[1]	NA[1]	ND(0.058)	ND(0.058)	ND(0.060)
Aroclor-1254	ND(0.061)	ND(0.059)	ND(0.061) [ND(0.060)]	NA[1]	NA[1]	NA[1]	ND(0.058)	ND(0.058)	ND(0.060)
Aroclor-1260	ND(0.061)	ND(0.059)	ND(0.061) [ND(0.060)]	NA[1]	NA[1]	NA[1]	ND(0.058)	ND(0.058)	ND(0.060)
Total PCBs	ND(0.061)	ND(0.059)	ND(0.061) [ND(0.060)]	NA[1]	NA[1]	NA[1]	ND(0.058)	ND(0.058)	ND(0.060)
Total Organic Carbon									
TOC - Replicate 1	12000	13000	16000 [17000]	9800	13000	7500	11000	7200	13000
TOC - Replicate 2	10000	14000	12000 [7400]	3200	14000	8200	13000	16000	5800
TOC - Replicate 3	9800	13000	17000 [8300]	9900	15000	15000	10000	13000	16000
TOC - Replicate 4	NA[2]	NA[2]	[12000]	11000	NA[2]	12000	NA[2]	6100	12000
TOC - Average	10000	13000	15000 [11000]	8400	14000	11000	11000	11000	12000
TOC - % RSD	9.2	3.1	17 [38]	41	6.9	32	11	44	37

TABLE 13-3
SEDIMENT SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

ISOLATION LAYER CAP SAMPLING
HOUSATONIC RIVER - UPPER 1/2 MILE REACH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID / Sample Depth(Inches) / Date Collected:	CAP-MON-7-2B 0-14 08/27/03	CAP-MON-7-2C 0-13 08/27/03	CAP-MON-7-2D 0-13 08/27/03	CAP-MON-8-2A 2-4 08/27/03	CAP-MON-8-2A 4-6 08/27/03	CAP-MON-8-2A 6-8 08/27/03	CAP-MON-8-2B 0-14 08/27/03	CAP-MON-8-2C 0-13 08/27/03	CAP-MON-8-2D 0-12 08/27/03
PCBs									
Aroclor-1016	NA[1]	NA[1]	NA[1]	ND(0.060)	ND(0.058)	ND(0.056)	NA[1]	NA[1]	NA[1]
Aroclor-1221	NA[1]	NA[1]	NA[1]	ND(0.060)	ND(0.058)	ND(0.056)	NA[1]	NA[1]	NA[1]
Aroclor-1232	NA[1]	NA[1]	NA[1]	ND(0.060)	ND(0.058)	ND(0.056)	NA[1]	NA[1]	NA[1]
Aroclor-1242	NA[1]	NA[1]	NA[1]	ND(0.060)	ND(0.058)	ND(0.056)	NA[1]	NA[1]	NA[1]
Aroclor-1248	NA[1]	NA[1]	NA[1]	ND(0.060)	ND(0.058)	ND(0.056)	NA[1]	NA[1]	NA[1]
Aroclor-1254	NA[1]	NA[1]	NA[1]	ND(0.060)	ND(0.058)	0.062 AF	NA[1]	NA[1]	NA[1]
Aroclor-1260	NA[1]	NA[1]	NA[1]	ND(0.060)	ND(0.058)	ND(0.056)	NA[1]	NA[1]	NA[1]
Total PCBs	NA[1]	NA[1]	NA[1]	ND(0.060)	ND(0.058)	0.062	NA[1]	NA[1]	NA[1]
Total Organic Carbon									
TOC - Replicate 1	7200	9700	8700	12000	11000	8400	6400	7100	7100
TOC - Replicate 2	7100	8100	12000	13000	8000	9100	14000	8800	10000
TOC - Replicate 3	3300	8700	9900	9400	7900	12000	8900	13000	9100
TOC - Replicate 4	6500	NA[2]	NA[2]	NA[2]	NA[2]	NA[2]	11000	9400	NA[2]
TOC - Average	6000	8900	10000	11000	8800	9700	10000	9600	8700
TOC - % RSD	30	9.2	18	14	17	18	31	27	17

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Northeast Analytical, Inc. for analysis of of PCBs and total organic carbon (TOC).
2. NA[1] - Not Analyzed - Laboratory did not report results for this analyte.
3. NA[2] - Not Analyzed - TOC Replicate 4 is only analyzed and reported by laboratory when the % RSD of Replicate 1 thru Replicate 3 is greater than 25%.
4. % RSD - Percent relative standard deviation.
5. AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
6. Field duplicate sample results are presented in brackets.
7. Sample depth measured from bottom of geotextile layer up.

ITEM 14
HOUSATONIC RIVER AREA
1½-MILE REACH
(GECD820)
SEPTEMBER 2003

(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 September 30, 2003, BBL (on GE's behalf) performed a round of water column monitoring at nine locations along the Housatonic River between Coltsville, MA and Great Barrington, MA. Two of these locations are situated in the 1½-Mile Reach: Lyman Street Bridge (Location 4) and Pomeroy Avenue Bridge (Location 6A). A composite grab sample was collected at each location and submitted to Northeast Analytical for analysis of PCBs (total), TSS, POC, and chlorophyll-a (see Table 14-1). (The other seven locations are discussed under Item 15 below).

- Surface water sampling was performed on 15 occasions between September 2 and 29, 2003 at three locations in the 1½-Mile Reach to monitor construction activities in that reach. The three locations sampled were Lyman Street Bridge, Dawes Avenue Bridge, and Pomeroy Avenue Bridge. One composite grab sample was collected during each day of sampling at each location and submitted to Northeast Analytical for analysis of PCBs (total) and TSS (see Table 14-1).*

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled Activities (next six weeks)

- Continue Housatonic River monthly water column monitoring.

- Continue surface water sampling to monitor construction activities in the 1½-Mile Reach.*

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 SEPTEMBER 2003

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	9/30/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column Sampling	LOCATION-4	8/28/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	9/16/03
Monthly Water Column Sampling	LOCATION-6A	9/30/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column Sampling	LOCATION-6A	8/28/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	9/16/03
Water Column Sampling	Dawes-082603-1	8/26/03	Water	NEA	PCB, TSS	9/9/03
Water Column Sampling	Dawes-082703-1	8/27/03	Water	NEA	PCB, TSS	9/9/03
Water Column Sampling	DAWES-082803-1	8/28/03	Water	NEA	PCB, TSS	9/15/03
Water Column Sampling	DAWES-082903-1	8/29/03	Water	NEA	PCB, TSS	9/15/03
Water Column Sampling	DAWES-090203-1	9/2/03	Water	NEA	PCB, TSS	9/15/03
Water Column Sampling	DAWES-090303-1	9/3/03	Water	NEA	PCB, TSS	9/16/03
Water Column Sampling	DAWES-090403-1	9/4/03	Water	NEA	PCB, TSS	9/16/03
Water Column Sampling	DAWES-090503-1	9/5/03	Water	NEA	PCB, TSS	9/16/03
Water Column Sampling	DAWES-090803-1	9/8/03	Water	NEA	PCB, TSS	9/16/03
Water Column Sampling	DAWES-090903-1	9/9/03	Water	NEA	PCB, TSS	9/19/03
Water Column Sampling	DAWES-091003-1	9/10/03	Water	NEA	PCB, TSS	9/24/03
Water Column Sampling	DAWES-091203-1	9/12/03	Water	NEA	PCB, TSS	9/24/03
Water Column Sampling	DAWES-091503-1	9/15/03	Water	NEA	PCB, TSS	9/29/03
Water Column Sampling	DAWES-091703-1	9/17/03	Water	NEA	PCB, TSS	9/29/03
Water Column Sampling	DAWES-091903-1	9/19/03	Water	NEA	PCB, TSS	9/29/03
Water Column Sampling	Dawes-092203-1	9/22/03	Water	NEA	PCB, TSS	
Water Column Sampling	Dawes-092403-1	9/24/03	Water	NEA	PCB, TSS	
Water Column Sampling	Dawes-092603-1	9/26/03	Water	NEA	PCB, TSS	
Water Column Sampling	DAWES-092903-1	9/29/03	Water	NEA	PCB, TSS	
Water Column Sampling	HRM-DUP-1 (Dawes-082703-1)	8/27/03	Water	NEA	PCB, TSS	9/9/03
Water Column Sampling	HRM-DUP-2 (DAWES-090903-1)	9/9/03	Water	NEA	PCB, TSS	9/19/03
Water Column Sampling	Lyman-082603-1	8/26/03	Water	NEA	PCB, TSS	9/9/03
Water Column Sampling	Lyman-082703-1	8/27/03	Water	NEA	PCB, TSS	9/9/03
Water Column Sampling	LYMAN-082903-1	8/29/03	Water	NEA	PCB, TSS	9/15/03
Water Column Sampling	LYMAN-090203-1	9/2/03	Water	NEA	PCB, TSS	9/15/03
Water Column Sampling	LYMAN-090303-1	9/3/03	Water	NEA	PCB, TSS	9/16/03
Water Column Sampling	LYMAN-090403-1	9/4/03	Water	NEA	PCB, TSS	9/16/03
Water Column Sampling	LYMAN-090503-1	9/5/03	Water	NEA	PCB, TSS	9/16/03
Water Column Sampling	LYMAN-090803-1	9/8/03	Water	NEA	PCB, TSS	9/16/03
Water Column Sampling	LYMAN-090903-1	9/9/03	Water	NEA	PCB, TSS	9/19/03
Water Column Sampling	LYMAN-091003-1	9/10/03	Water	NEA	PCB, TSS	9/24/03
Water Column Sampling	LYMAN-091203-1	9/12/03	Water	NEA	PCB, TSS	9/24/03
Water Column Sampling	LYMAN-091503-1	9/15/03	Water	NEA	PCB, TSS	9/29/03
Water Column Sampling	LYMAN-091703-1	9/17/03	Water	NEA	PCB, TSS	9/29/03
Water Column Sampling	LYMAN-091903-1	9/19/03	Water	NEA	PCB, TSS	9/29/03
Water Column Sampling	Lyman-092203-1	9/22/03	Water	NEA	PCB, TSS	
Water Column Sampling	Lyman-092403-1	9/24/03	Water	NEA	PCB, TSS	
Water Column Sampling	Lyman-092603-1	9/26/03	Water	NEA	PCB, TSS	
Water Column Sampling	LYMAN-092903-1	9/29/03	Water	NEA	PCB, TSS	
Water Column Sampling	Pomeroy-082603-1	8/26/03	Water	NEA	PCB, TSS	9/9/03
Water Column Sampling	Pomeroy-082703-1	8/27/03	Water	NEA	PCB, TSS	9/9/03

TABLE 14-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Water Column Sampling	POMEROY-082903-1	8/29/03	Water	NEA	PCB, TSS	9/15/03
Water Column Sampling	POMEROY-090203-1	9/2/03	Water	NEA	PCB, TSS	9/15/03
Water Column Sampling	POMEROY-090303-1	9/3/03	Water	NEA	PCB, TSS	9/16/03
Water Column Sampling	POMEROY-090403-1	9/4/03	Water	NEA	PCB, TSS	9/16/03
Water Column Sampling	POMEROY-090503-1	9/5/03	Water	NEA	PCB, TSS	9/16/03
Water Column Sampling	POMEROY-090803-1	9/8/03	Water	NEA	PCB, TSS	9/16/03
Water Column Sampling	POMEROY-090903-1	9/9/03	Water	NEA	PCB, TSS	9/19/03
Water Column Sampling	POMEROY-091003-1	9/10/03	Water	NEA	PCB, TSS	9/24/03
Water Column Sampling	POMEROY-091203-1	9/12/03	Water	NEA	PCB, TSS	9/24/03
Water Column Sampling	POMEROY-091503-1	9/15/03	Water	NEA	PCB, TSS	9/29/03
Water Column Sampling	POMEROY-091703-1	9/17/03	Water	NEA	PCB, TSS	9/29/03
Water Column Sampling	POMEROY-091903-1	9/19/03	Water	NEA	PCB, TSS	9/29/03
Water Column Sampling	Pomeroy-092203-1	9/22/03	Water	NEA	PCB, TSS	
Water Column Sampling	Pomeroy-092403-1	9/24/03	Water	NEA	PCB, TSS	
Water Column Sampling	Pomeroy-092603-1	9/26/03	Water	NEA	PCB, TSS	
Water Column Sampling	POMEROY-092903-1	9/29/03	Water	NEA	PCB, TSS	

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

TABLE 14-2
SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

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	TSS
DAWES-082603-1	Dawes Ave. Bridge	8/26/2003	ND(0.0000220)	0.0000320 PE	ND(0.0000220)	0.000330 AG	0.000362	21.5
DAWES-082703-1	Dawes Ave. Bridge	8/27/2003	ND(0.0000660)	ND(0.0000660)	ND(0.0000660)	0.000530 AG	0.000530	36.6
		8/27/2003	[ND(0.0000880)]	[ND(0.0000880)]	[ND(0.0000880)]	[0.000570 AG]	[0.000570]	[43.4]
DAWES-082803-1	Dawes Ave. Bridge	8/28/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	4.00
DAWES-082903-1	Dawes Ave. Bridge	8/29/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.0000240 AG	0.0000240	1.80
DAWES-090203-1	Dawes Ave. Bridge	9/2/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	5.44
DAWES-090303-1	Dawes Ave. Bridge	9/3/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	7.14
DAWES-090403-1	Dawes Ave. Bridge	9/4/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	6.25
DAWES-090503-1	Dawes Ave. Bridge	9/5/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	3.58
DAWES-090803-1	Dawes Ave. Bridge	9/8/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	2.90
DAWES-090903-1	Dawes Ave. Bridge	9/9/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	3.90
		9/9/2003	[ND(0.0000220)]	[ND(0.0000220)]	[ND(0.0000220)]	[ND(0.0000220)]	[ND(0.0000220)]	[3.60]
DAWES-091003-1	Dawes Ave. Bridge	9/10/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	3.90
DAWES-091203-1	Dawes Ave. Bridge	9/12/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	1.30
DAWES-091503-1	Dawes Ave. Bridge	9/15/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	1.30
DAWES-091703-1	Dawes Ave. Bridge	9/17/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	1.80
DAWES-091903-1	Dawes Ave. Bridge	9/19/2003	ND(0.0000220)	ND(0.0000220)	0.0000240 AF	0.0000430	0.0000670	2.71
LYMAN-082603-1	Lyman Street Bridge	8/26/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	2.50
LYMAN-082703-1	Lyman Street Bridge	8/27/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	3.40
LYMAN-082903-1	Lyman Street Bridge	8/29/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	2.90
LYMAN-090203-1	Lyman Street Bridge	9/2/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	3.37
LYMAN-090303-1	Lyman Street Bridge	9/3/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	4.77
LYMAN-090403-1	Lyman Street Bridge	9/4/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	4.92
LYMAN-090503-1	Lyman Street Bridge	9/5/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	4.20
LYMAN-090803-1	Lyman Street Bridge	9/8/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	3.80
LYMAN-090903-1	Lyman Street Bridge	9/9/2003	ND(0.0000220)	ND(0.0000220)	0.0000650 AF	ND(0.0000220)	0.0000650	4.30
LYMAN-091003-1	Lyman Street Bridge	9/10/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	4.60
LYMAN-091203-1	Lyman Street Bridge	9/12/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(1.00)
LYMAN-091503-1	Lyman Street Bridge	9/15/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(1.00)
LYMAN-091703-1	Lyman Street Bridge	9/17/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	1.30
LYMAN-091903-1	Lyman Street Bridge	9/19/2003	ND(0.0000220)	ND(0.0000220)	0.0000740 AF	0.0000420	0.0001160	3.62
POMEROY-082603-1	Pomeroy Ave. Bridge	8/26/2003	ND(0.0000220)	0.0000290 PE	ND(0.0000220)	0.000200 AG	0.000229	20.6
POMEROY-082703-1	Pomeroy Ave. Bridge	8/27/2003	ND(0.0000440)	ND(0.0000440)	ND(0.0000440)	0.000380 AG	0.000380	31.3
POMEROY-082903-1	Pomeroy Ave. Bridge	8/29/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	1.40

TABLE 14-2
SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

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	TSS
POMEROY-090203-1	Pomeroy Ave. Bridge	9/2/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.0000430 AG	0.0000430	4.60
POMEROY-090303-1	Pomeroy Ave. Bridge	9/3/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	8.15
POMEROY-090403-1	Pomeroy Ave. Bridge	9/4/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	8.67
POMEROY-090503-1	Pomeroy Ave. Bridge	9/5/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.0000220 AG	0.0000220	3.67
POMEROY-090803-1	Pomeroy Ave. Bridge	9/8/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	2.40
POMEROY-090903-1	Pomeroy Ave. Bridge	9/9/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	3.90
POMEROY-091003-1	Pomeroy Ave. Bridge	9/10/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	5.00
POMEROY-091203-1	Pomeroy Ave. Bridge	9/12/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(1.00)
POMEROY-091503-1	Pomeroy Ave. Bridge	9/15/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	1.40
POMEROY-091703-1	Pomeroy Ave. Bridge	9/17/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	2.20
POMEROY-091903-1	Pomeroy Ave. Bridge	9/19/2003	ND(0.0000220)	ND(0.0000220)	0.0000390 AF	0.0000260	0.0000650	2.47

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. for analysis of unfiltered PCBs and total suspended solids (TSS).
2. ND - Compound was analyzed for, but was not detected. The detection limit is presented in parentheses.
3. Field duplicate sample results are presented in brackets.
4. AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
5. AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
6. 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 14-3
SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

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

Sample ID	Location	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor 1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
Location-4	Lyman Street Bridge	8/28/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.230	1.20	0.0028
Location-6A	Pomeroy Ave. Bridge	8/28/2003	ND(0.0000220)	0.0000330 AF	0.0000550	0.0000880	0.630	3.10	0.0025

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. and/or Aquatec Biological Sciences, 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 - Compound was analyzed for, but was not detected. The detection limit is presented in parentheses.
4. AF - Aroclor 1254 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)
SEPTEMBER 2003

a. Activities Undertaken/Completed

- On September 30, 2003, BBL (on GE's behalf) performed a round of water column monitoring at nine locations along the Housatonic River between Coltsville and Great Barrington, MA. Two locations are situated in the 1½-Mile Reach of the Housatonic River and were discussed in Item 14. Of the remaining seven locations, two are located upstream of the 1½-Mile Reach: Hubbard Avenue Bridge (Location 1) and Newell Street Bridge (Location 2). The five remaining locations are situated in the Rest of the River: Holmes Road Bridge (Location 7); New Lenox Road Bridge (Location 9); Woods Pond Headwaters (Location 10); Schweitzer Bridge (Location 12); and Division Street Bridge (Location 13). Sampling activities were performed at all these locations on September 30, 2003 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).

- GE completed revisions of the RCRA Facility Investigation (RFI) Report in response to EPA's conditional approval letter of August 26, 2003.*

- GE completed comments on the public review draft of EPA's Ecological Risk Assessment.*

b. Sampling/Test Results

See attached tables.

c. Work Plans/Reports/Documents Submitted

GE submitted the following documents:

- Comments of the General Electric Company on the U.S. Environmental Protection Agency's Ecological Risk Assessment for the General Electric/Housatonic River Site, Rest of River (July 2003 Draft) (September 29, 2003).*

- Revisions of the RFI Report (September 29, 2003).*

ITEM 15
(cont'd)
HOUSATONIC RIVER AREA
REST OF THE RIVER
(GECD850)
SEPTEMBER 2003

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

- Continue Housatonic River monthly water column monitoring.
- Initiate minor repair/maintenance activities at Woods Pond Dam (November 2003) and Rising Pond Dam (October 2003) as identified in the Structural Integrity Reports submitted in June 2003 for those dams.*
- Attend Document Overview Meeting for Human Health Risk Assessment peer review panel members (October 23, 2003).*
- Attend Introductory Session for Ecological Risk Assessment peer review panel members (October 29, 2003).*

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

No specific issues.

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

None.

TABLE 15-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Monthly Water Column Sampling	HR-D1 (LOCATION-1)	8/28/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	9/16/03
Monthly Water Column Sampling	HR-D1 (Location-1)	9/30/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column Sampling	LOCATION-1	8/28/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	9/16/03
Monthly Water Column Sampling	LOCATION-1	9/30/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column Sampling	LOCATION-10	8/28/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	9/16/03
Monthly Water Column Sampling	LOCATION-10	9/30/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column Sampling	LOCATION-12	8/28/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	9/16/03
Monthly Water Column Sampling	LOCATION-12	9/30/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column Sampling	LOCATION-13	9/30/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column Sampling	LOCATION-13	8/28/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	9/16/03
Monthly Water Column Sampling	LOCATION-2	9/30/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column Sampling	LOCATION-2	8/28/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	9/16/03
Monthly Water Column Sampling	LOCATION-7	8/28/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	9/16/03
Monthly Water Column Sampling	LOCATION-7	9/30/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	
Monthly Water Column Sampling	LOCATION-9	8/28/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	9/16/03
Monthly Water Column Sampling	LOCATION-9	9/30/03	Water	NEA	PCB, TSS, POC, Chlorophyl-A	

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

TABLE 15-2
SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

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

Sample ID	Location	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor 1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
Location-1	Hubbard Ave. Bridge	8/28/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.428	1.70	0.00070
		8/28/2003	[ND(0.0000220)]	[ND(0.0000220)]	[ND(0.0000220)]	[ND(0.0000220)]	[0.388]	[2.20]	[0.00080]
Location-2	Newell Street Bridge	8/28/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.413	1.60	0.0022
Location-7	Holmes Rd. Bridge	8/28/2003	ND(0.0000220)	0.0000220 AF	ND(0.0000220)	0.0000220	0.498	2.10	0.0020
Location-9	New Lenox Rd. Bridge	8/28/2003	ND(0.0000220)	0.0000370 AF	0.0000240	0.0000610	0.364	2.90	0.0019
Location-10	Headwaters of Woods Pond	8/28/2003	ND(0.0000220)	0.0000420 AF	0.0000390	0.0000810	0.386	3.00	0.0031
Location-12	Schweitzer Bridge	8/28/2003	ND(0.0000220)	0.0000310 AF	0.0000250	0.0000560	0.498	2.40	0.0089
Location-13	Division St. Bridge	8/28/2003	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.470	2.70	0.0013

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to Northeast Analytical, Inc. and/or Aquatec Biological Sciences, 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 - Compound was analyzed for, but was not detected. The detection limit is presented in parentheses.
4. Field duplicate sample results are presented in brackets.
5. AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

ITEMS 16 & 17
HOUSATONIC RIVER FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1½-MILE REACH (GECD710 AND GECD720) SEPTEMBER 2003

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled Activities (next six weeks)

Following EPA approval of GE's sampling summary report for Phase II properties (submitted in July 2003), begin preparation of Pre-Design Investigation Report for Phase II properties.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Access permission for sampling not yet received from the owner of Parcel I8-4-101. GE has verbally informed EPA that access to this property is highly unlikely to be granted by the owner. EPA has advised GE to proceed with preparation of a Pre-Design Investigation Report for the Phase II properties without the additional sampling data from Parcel I8-4-101.*

f. Proposed/Approved Work Plan Modifications

None

ITEM 18
HOUSATONIC RIVER FLOODPLAIN
CURRENT RESIDENTIAL PROPERTIES
DOWNSTREAM OF CONFLUENCE
(ACTUAL/POTENTIAL LAWNS)
(GECD730)
SEPTEMBER 2003

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled 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 may be deferred for some period of time.)*

f. Proposed/Approved Work Plan Modifications

None

ITEM 20
OTHER AREAS
SILVER LAKE AREA
(GECD600)
SEPTEMBER 2003

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

a. Activities Undertaken/Completed

- Completed soil sampling at Parcel I9-9-34.
- Performed water level monitoring at lake piezometers and wells surrounding lake (see also Item 21a below).
- Completed hydraulic conductivity testing of new well pairs and lake piezometers (see also Item 21a below).
- Continued monitoring associated with the water budget.
- Continued seepage meter monitoring activities.
- Sent second copy of access request to owner of Parcel I9-9-19 (September 8, 2003).
- Completed bank soil sampling for all properties except Parcel I9-9-19 (see Item 20e).
- Conducted other miscellaneous sampling, identified in Table 20-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

d. Upcoming Scheduled Activities (next six weeks)

- Continue water-level monitoring for piezometers.
- Continue water-level monitoring for wells.
- Continue seepage meter monitoring activities.
- Continue water budget monitoring activities.
- Submit Pre-Design Investigation Work Plan Addendum for soils at properties adjacent to Silver Lake (due October 13, 2003).

ITEM 20
(cont'd)
OTHER AREAS
SILVER LAKE AREA
(GECD600)
SEPTEMBER 2003

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

Owner of Parcel I9-9-19 has to date denied access for sampling. Efforts are continuing to obtain access to this parcel.

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

None

TABLE 20-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
2003 Silver Lake Study	BD00-0000-PW (SL04-0530-PW)	8/5/03	NA	Water	NEA	PCB Congener	9/4/03
2003 Silver Lake Study	BD00-0000-SD (SL01-0530-SD)	8/5/03	NA	Sediment	NEA	PCB Congener	9/4/03
2003 Silver Lake Study	BD00-0000-SD (SL01-0530-SD)	8/5/03	NA	Sediment	NEA	TOC	9/9/03
2003 Silver Lake Study	BD01-0000-L2 (SL02-0530-L2)	8/11/03	NA	Liquid	NEA	DOC	9/4/03
2003 Silver Lake Study	BD01-0000-PW (SL10-0530-PW)	8/5/03	NA	Water	NEA	DOC	9/4/03
2003 Silver Lake Study	SL01-0005-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL01-0530-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL02-0005-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL02-0530-L2	8/11/03	NA	Liquid	NEA	PCB Congener, DOC	9/4/03
2003 Silver Lake Study	SL02-0530-L3	8/12/03	NA	Liquid	NEA	PCB Congener, DOC	9/4/03
2003 Silver Lake Study	SL02-0530-L4	8/13/03	NA	Liquid	NEA	PCB Congener, DOC	9/4/03
2003 Silver Lake Study	SL02-0530-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL03-0005-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL03-0530-PW	8/5/03	NA	Water	NEA	PCB Congener, DOC	9/4/03
2003 Silver Lake Study	SL03-0530-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL04-0005-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL04-0530-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL05-0005-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL05-0530-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL06-0005-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL06-0530-L2	8/11/03	NA	Liquid	NEA	PCB Congener, DOC	9/4/03
2003 Silver Lake Study	SL06-0530-L3	8/12/03	NA	Liquid	NEA	PCB Congener, DOC	9/4/03
2003 Silver Lake Study	SL06-0530-L4	8/13/03	NA	Liquid	NEA	PCB Congener, DOC	9/4/03
2003 Silver Lake Study	SL06-0530-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL07-0005-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL07-0530-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL08-0005-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL08-0530-PW	8/5/03	NA	Water	NEA	PCB Congener, DOC	9/4/03
2003 Silver Lake Study	SL08-0530-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL09-0005-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL09-0530-L2	8/11/03	NA	Liquid	NEA	PCB Congener, DOC	9/4/03
2003 Silver Lake Study	SL09-0530-L3	8/12/03	NA	Liquid	NEA	PCB Congener, DOC	9/4/03
2003 Silver Lake Study	SL09-0530-L4	8/13/03	NA	Liquid	NEA	PCB Congener, DOC	9/4/03
2003 Silver Lake Study	SL09-0530-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL10-0005-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
2003 Silver Lake Study	SL10-0530-PW	8/5/03	NA	Water	NEA	PCB Congener, DOC	9/4/03
2003 Silver Lake Study	SL10-0530-SD	8/5/03	NA	Sediment	NEA	PCB Congener, TOC	9/4/03
EPA Split Sediment Sampling	SL-SE001533-0-3G07	8/7/03	NA	Sediment	NEA	TOC	9/2/03
EPA Split Sediment Sampling	SL-SE001534-0-3G07	8/7/03	NA	Sediment	NEA	TOC	9/2/03
EPA Split Sediment Sampling	SL-SE001535-0-3G07	8/7/03	NA	Sediment	NEA	TOC	9/2/03
EPA Split Sediment Sampling	SL-SE001536-0-3G07	8/7/03	NA	Sediment	NEA	TOC	9/2/03
EPA Split Sediment Sampling	SL-SE001537-0-3G07	8/7/03	NA	Sediment	NEA	TOC	9/2/03
EPA Split Sediment Sampling	SL-SE001538-0-3G07	8/7/03	NA	Sediment	NEA	TOC	9/2/03
EPA Split Sediment Sampling	SL-SE001539-0-3G07	8/7/03	NA	Sediment	NEA	TOC	9/2/03
Parratt-Wolff Drilling Equipment Decon Wipe Sampling	PW-CASING-W1-R1	9/22/03	NA	Wipe	CT&E	PCB	9/24/03
Parratt-Wolff Drilling Equipment Decon Wipe Sampling	PW-CASING-W2-R1	9/22/03	NA	Wipe	CT&E	PCB	9/24/03
Parratt-Wolff Drilling Equipment Decon Wipe Sampling	PW-CASING-W3-R1	9/22/03	NA	Wipe	CT&E	PCB	9/24/03
Parratt-Wolff Drilling Equipment Decon Wipe Sampling	PW-EQUIP-W2-R1	9/22/03	NA	Wipe	CT&E	PCB	9/24/03

TABLE 20-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Parratt-Wolff Drilling Equipment Decon Wipe Sampling	PW-RODS-W3-R1	9/22/03	NA	Wipe	CT&E	PCB	9/24/03
Parratt-Wolff Drilling Equipment Wipe Sampling	PW-CASING-W1	9/4/03	NA	Wipe	CT&E	PCB	9/8/03
Parratt-Wolff Drilling Equipment Wipe Sampling	PW-CASING-W2	9/4/03	NA	Wipe	CT&E	PCB	9/8/03
Parratt-Wolff Drilling Equipment Wipe Sampling	PW-CASING-W3	9/4/03	NA	Wipe	CT&E	PCB	9/8/03
Parratt-Wolff Drilling Equipment Wipe Sampling	PW-EQUIP-W1	9/4/03	NA	Wipe	CT&E	PCB	9/8/03
Parratt-Wolff Drilling Equipment Wipe Sampling	PW-EQUIP-W2	9/4/03	NA	Wipe	CT&E	PCB	9/8/03
Parratt-Wolff Drilling Equipment Wipe Sampling	PW-EQUIP-W3	9/4/03	NA	Wipe	CT&E	PCB	9/8/03
Parratt-Wolff Drilling Equipment Wipe Sampling	PW-RODS-W1	9/4/03	NA	Wipe	CT&E	PCB	9/8/03
Parratt-Wolff Drilling Equipment Wipe Sampling	PW-RODS-W2	9/4/03	NA	Wipe	CT&E	PCB	9/8/03
Parratt-Wolff Drilling Equipment Wipe Sampling	PW-RODS-W3	9/4/03	NA	Wipe	CT&E	PCB	9/8/03
Silver Lake Soil Sampling	I9-9-34-SB-1	9/16/03	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Silver Lake Soil Sampling	I9-9-34-SB-1	9/16/03	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Silver Lake Soil Sampling	I9-9-34-SB-2	9/16/03	0-1	Soil	CT&E	PCB	
Silver Lake Soil Sampling	I9-9-34-SB-2	9/16/03	1-3	Soil	CT&E	PCB	
Silver Lake Soil Sampling	I9-9-34-SB-3	9/16/03	0-1	Soil	CT&E	PCB	
Silver Lake Soil Sampling	I9-9-34-SB-3	9/16/03	1-3	Soil	CT&E	PCB	
Silver Lake Soil Sampling	I9-9-34-SB-4	9/16/03	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Silver Lake Soil Sampling	I9-9-34-SB-4	9/16/03	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Silver Lake Soil Sampling	I9-9-34-SB-5	9/16/03	0-1	Soil	CT&E	PCB	
Silver Lake Soil Sampling	I9-9-34-SB-5	9/16/03	1-3	Soil	CT&E	PCB	
Silver Lake Soil Sampling	I9-9-34-SB-6	9/16/03	0-1	Soil	CT&E	PCB	
Silver Lake Soil Sampling	I9-9-34-SB-6	9/16/03	1-3	Soil	CT&E	PCB	
Silver Lake Soil Sampling	I9-9-34-SB-7	9/16/03	0-1	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Silver Lake Soil Sampling	I9-9-34-SB-7	9/16/03	1-3	Soil	CT&E	PCB, VOC, SVOC, Inorganics, PCDD/PCDF	
Silver Lake Soil Sampling	I9-9-34-SB-8	9/16/03	0-1	Soil	CT&E	PCB	
Silver Lake Soil Sampling	I9-9-34-SB-8	9/16/03	1-3	Soil	CT&E	PCB	
Silver Lake Soil Sampling	I9-9-34-SB-9	9/16/03	0-1	Soil	CT&E	PCB	
Silver Lake Soil Sampling	I9-9-34-SB-9	9/16/03	1-3	Soil	CT&E	PCB	
Silver Lake Soil Sampling	SL-DUP-21 (I9-9-34-SB-9)	9/16/03	1-3	Soil	CT&E	PCB	
Silver Lake Wells Purgewater Drum Sampling	SLGW-B0183-WATER-1	9/9/03	NA	Water	CT&E	PCB, VOC, SVOC, RCRA Metals	9/16/03
Silver Lake Wells Purgewater Drum Sampling	SLGW-B0189-WATER-1	9/9/03	NA	Water	CT&E	PCB, VOC, SVOC, RCRA Metals	9/16/03
Silver Lake Wells Purgewater Drum Sampling	SLGW-B0190-WATER-1	9/9/03	NA	Water	CT&E	PCB, VOC, SVOC, RCRA Metals	9/16/03

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

TABLE 20-2
TOC DATA RECEIVED DURING SEPTEMBER 2003

EPA SPLIT SEDIMENT SAMPLING
SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID: / Date Collected:	SL-SE001533-0-3G07 08/07/03	SL-SE001534-0-3G07 08/07/03	SL-SE001535-0-3G07 08/07/03	SL-SE001536-0-3G07 08/07/03	SL-SE001537-0-3G07 08/07/03	SL-SE001538-0-3G07 08/07/03	SL-SE001539-0-3G07 08/07/03
Total Organic Carbon							
TOC - Replicate 1	92000	170000	96000	120000	110000	230000	51000
TOC - Replicate 2	92000	150000	110000	93000	73000	230000	65000
TOC - Replicate 3	92000	170000	110000	110000	86000	230000	52000
TOC - Average	92000	160000	100000	110000	89000	230000	56000
TOC - % RSD	0.29	7.3	6.7	13	19	1.7	14

Notes:
1. Samples were collected by EPA subcontractor and submitted to Northeast Analytical Services, Inc. for analysis of total organic carbon (TOC).
2. % RSD - Percent relative standard deviation.

TABLE 20-3
WATER SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

2003 SILVER LAKE STUDY
SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts permillion, ppm)

Sample1D	Date Collected	Matrix	Dissolved Organic Carbon	Congener Total PCBs
SL02-0530-L2	8/11/2003	Leachate	31.8 [40.4]	0.00387
SL02-0530-L3	8/12/2003	Leachate	26.9	0.00392
SL02-0530-L4	8/13/2003	Leachate	19.1	0.00274
SL06-0530-L2	8/11/2003	Leachate	39.5	0.00292
SL06-0530-L3	8/12/2003	Leachate	34.7	0.0032
SL06-0530-L4	8/13/2003	Leachate	35.4	0.00456
SL09-0530-L2	8/11/2003	Leachate	186	0.00119
SL09-0530-L3	8/12/2003	Leachate	24.9	0.00145
SL09-0530-L4	8/13/2003	Leachate	22.5	0.00121
SL03-0530-PW	8/5/2003	Pore Water	24.2	0.149
SL08-0530-PW	8/5/2003	Pore Water	18.1	0.0351
SL10-0530-PW	8/5/2003	Pore Water	17.9 [19.1]	0.0551

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Northeast Analytical, Inc. for analysis of congener PCBs and dissolved organic carbon (DOC).
2. Field duplicate sample results are presented in brackets.

TABLE 20-4
SEDIMENT SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

2003 SILVER LAKE STUDY
SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID: / Date Collected:	SL01-0005-SD 08/05/03	SL01-0530-SD 08/05/03	SL02-0005-SD 08/05/03	SL02-0530-SD 08/05/03	SL03-0005-SD 08/05/03	SL03-0530-SD 08/05/03	SL04-0005-SD 08/05/03	SL04-0530-SD 08/05/03	SL05-0005-SD 08/05/03	SL05-0530-SD 08/05/03
PCBs										
Congener Total PCBs	216	4250 [1450]	141	435	363	864	216	7240	85.9	5130
Total Organic Carbon										
TOC - Replicate 1	88000	130000 [140000]	100000	150000	2100	5300	100000	170000	83000	140000
TOC - Replicate 2	69000	130000 [140000]	80000	150000	1500	7800	100000	180000	83000	120000
TOC - Replicate 3	90000	130000 [160000]	130000	160000	10000	5600	110000	160000	86000	140000
TOC - Replicate 4	NA	NA	NA	NA	2200	NA	NA	NA	NA	NA
TOC - Average	82000	130000 [150000]	100000	150000	4100	6200	100000	170000	84000	140000
TOC - % RSD	14	2.2 [6.8]	23	5.4	100	22	4.7	5.7	2.3	9.7

Parameter / Sample ID: / Date Collected:	SL06-0005-SD 08/05/03	SL06-0530-SD 08/05/03	SL07-0005-SD 08/05/03	SL07-0530-SD 08/05/03	SL08-0005-SD 08/05/03	SL08-0530-SD 08/05/03	SL09-0005-SD 08/05/03	SL09-0530-SD 08/05/03	SL10-0005-SD 08/05/03	SL10-0530-SD 08/05/03
PCBs										
Congener Total PCBs	49.7	119	10.4	12.7	36	1460	43.6	90.3	40.1	1350
Total Organic Carbon										
TOC - Replicate 1	62000	120000	60000	62000	80000	140000	85000	98000	88000	130000
TOC - Replicate 2	81000	120000	69000	44000	66000	79000	85000	80000	87000	94000
TOC - Replicate 3	77000	120000	48000	43000	74000	150000	93000	100000	80000	96000
TOC - Replicate 4	NA	NA	NA	NA	NA	110000	NA	NA	NA	NA
TOC - Average	73000	120000	59000	50000	73000	120000	88000	94000	85000	110000
TOC - % RSD	14	4.0	18	22	9.8	27	5.1	13	5.3	17

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Northeast Analytical, Inc. for analysis of congener PCBs and total organic carbon (TOC).
2. Field duplicate sample results are presented in brackets.
3. % RSD - Percent relative standard deviation.
4. NA - Not Analyzed - TOC Replicate 4 is only analyzed and reported by laboratory when the % RSD of Replicate 1 thru Replicate 3 is greater than 25%.

TABLE 20-5
PCB DATA RECEIVED DURING SEPTEMBER 2003

PARATT-WOLFF DRILLING EQUIPMENT DECON WIPE SAMPLING
SILVER LAKE AREA
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
PW-CASING-W1	9/4/2003	ND(4.0)	47	8.3	55.3
PW-CASING-W1-R1	9/22/2003	ND(1.0)	2.1	ND(1.0)	2.1
PW-CASING-W2	9/4/2003	ND(8.0)	120	18	138
PW-CASING-W2-R1	9/22/2003	ND(1.0)	18	4.7	22.7
PW-CASING-W3	9/4/2003	ND(1.0)	30	6.3	36.3
PW-CASING-W3-R1	9/22/2003	ND(1.0)	4.0	1.2	5.2
PW-EQUIP-W1	9/4/2003	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
PW-EQUIP-W2	9/4/2003	ND(1.0)	13	2.1	15.1
PW-EQUIP-W2-R1	9/22/2003	ND(1.0)	1.6	ND(1.0)	1.6
PW-EQUIP-W3	9/4/2003	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
PW-RODS-W1	9/4/2003	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
PW-RODS-W2	9/4/2003	ND(1.0)	1.4	ND(1.0)	1.4
PW-RODS-W3	9/4/2003	ND(1.0)	17	5.5	22.5
PW-RODS-W3-R1	9/22/2003	ND(1.0)	1.6	ND(1.0)	1.6

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

TABLE 20-6
WATER SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

PURGE WATER DRUM SAMPLING
SILVER LAKE AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts permillion, ppm)

Parameter / Sample ID: / Date Collected:	SLGW-B0183-WATER-1 09/09/03	SLGW-B0189-WATER-1 09/09/03	SLGW-B0190-WATER-1 09/09/03
Volatile Organics			
Chloroform	ND(0.0050)	ND(0.0050)	0.00091 J
PCBs-Unfiltered			
Aroclor-1254	0.00040	ND(0.000065)	ND(0.000065)
Aroclor-1260	0.00037	ND(0.000065)	ND(0.000065)
Total PCBs	0.00077	ND(0.000065)	ND(0.000065)
Semivolatile Organics			
Acenaphthene	ND(0.010)	0.039	ND(0.010)
Dibenzofuran	ND(0.010)	0.0078 J	ND(0.010)
Fluoranthene	ND(0.010)	0.0028 J	ND(0.010)
Fluorene	ND(0.010)	0.018	ND(0.010)
Phenanthrene	ND(0.010)	0.022	ND(0.010)
Inorganics-Unfiltered			
Arsenic	ND(0.00500)	ND(0.00500)	0.00760
Barium	0.120	0.0870	0.150
Cadmium	ND(0.00100)	ND(0.00100)	0.00110
Chromium	0.00270 B	0.00460 B	0.00730
Lead	0.0960	0.0230	0.110
Mercury	0.000740	0.0000600 B	0.000770
Selenium	ND(0.00500)	0.00490 B	ND(0.00500)
Silver	0.00100 B	0.00180 B	0.00110 B

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles and metals.
2. ND - Analyte was not detected. The number in parentheses 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 practical quantitation limit (PQL).

TABLE 20-7
BENTHIC MACROINVERTEBRATE BIOMASS

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

Taxa	SL-BIO-01	SL-BIO-02	SL-BIO-03	SL-BIO-04	SL-BIO-05	SL-BIO-06
	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003
Diptera	17.4	2.8	1.8	129.2	26.7	65.1
Oligochaeta	27.9	19	1.9	nr	65.1	4.9
Total Mass (mg/sample)	45.3	21.8	3.7	129.2	91.8	70

Taxa	SL-BIO-07	SL-BIO-08	SL-BIO-09	SL-BIO-10	SL-BIO-11	SL-BIO-12
	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003	6/4/2003
Diptera	3.5	0.8	3.3	13.1	2.3	81.7
Oligochaeta	1.4	34.6	16.2	35.4	10.8	NR
Total Mass (mg/sample)	4.9	35.4	19.5	48.5	13.1	81.7

Notes:

1. NR - Not Recorded

TABLE 20-8
WATER BUDGET OUTFALL MONITORING
OUTFALL A - INFLOW

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

Date	Time of Day	Outfall Width (feet)	DATA COLLECTION LOCATION [1]									Total Discharge (cfs)
			0+25% Station: 0+0.9'			0+50% Station: 0+1.8'			0+75% Station: 0+2.6'			
			Depth (feet)	Velocity (ft/sec)	Discharge (cfs)	Depth (feet)	Velocity (ft/sec)	Discharge (cfs)	Depth (feet)	Velocity (ft/sec)	Discharge (cfs)	
9/5/2003	2:15 PM	3.5	0.10	2.80	0.327	0.08	3.25	0.303	0.12	3.20	0.448	1.078
	4:00 PM	3.5	0.08	3.20	0.299	0.06	2.60	0.182	0.09	2.40	0.252	0.733
9/9/2003	10:15 AM	3.5	0.05	4.70	0.274	0.05	1.70	0.099	0.05	1.80	0.105	0.478
	3:45 PM	3.5	0.05	3.43	0.200	0.05	2.56	0.149	0.05	1.72	0.100	0.450
9/10/2003	10:00 AM	3.5	0.05	2.50	0.146	0.05	3.30	0.193	0.06	3.10	0.217	0.555
	1:30 PM	3.5	0.05	2.70	0.158	0.05	1.70	0.099	0.06	2.40	0.168	0.425
9/11/2003	9:30 AM	3.5	0.05	2.50	0.146	0.05	3.45	0.201	0.05	3.50	0.204	0.551
	4:00 PM	3.5	0.05	3.10	0.181	0.05	2.60	0.152	0.05	2.40	0.140	0.473
9/12/2003	8:30 AM	3.5	0.05	3.30	0.193	0.05	2.20	0.128	0.05	3.20	0.187	0.508
	2:30 PM	3.5	0.50	2.50	1.458	0.50	2.60	1.517	0.50	2.20	1.283	4.258

Notes:

1. Data collections points are located within the outfall channel at 25%, 50% and 75% of the total width of the outfall channel. Station locations are the distance from the left side of the outfall channel while looking in an upstream direction.
2. ft/sec - feet per second
3. cfs - cubic feet per second

TABLE 20-9
WATER BUDGET OUTFALL MONITORING
OUTFALL A+80 - INFLOW

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

Date	Time of Day	Outfall Width (feet)	DATA COLLECTION LOCATION [1]									Total Discharge (cfs)
			0+25% Station: 0+4.0'			0+50% Station: 0+8.0'			0+75% Station: 0+12.0'			
			Depth (feet)	Velocity (ft/sec)	Discharge (cfs)	Depth (feet)	Velocity (ft/sec)	Discharge (cfs)	Depth (feet)	Velocity (ft/sec)	Discharge (cfs)	
9/5/2003	2:30 PM	16	2.2	0.02	0.235	1.7	0.03	0.272	2	0.03	0.320	0.827
	4:30 PM	16	1.6	0.04	0.341	0.90	0.04	0.192	1.10	0.07	0.411	0.944
9/9/2003	10:30 AM	16	1.5	0.01	0.080	0.90	0.01	0.048	1.15	0.04	0.245	0.373
	4:00 PM	16	1.50	0.03	0.240	0.90	0.03	0.144	1.15	0.01	0.061	0.445
9/10/2003	10:15 AM	16	1.50	0.03	0.240	0.80	0.04	0.171	1.10	0.05	0.293	0.704
	1:45 PM	16	1.50	0.05	0.400	0.80	0.01	0.043	1.10	0.02	0.117	0.560
9/11/2003	9:45 AM	16	1.50	0.05	0.400	0.80	0.03	0.128	1.10	0.01	0.059	0.587
	4:15 PM	16	1.50	0.07	0.560	0.80	0.01	0.043	1.10	0.01	0.059	0.661
9/12/2003	8:45 AM	16	1.50	0.02	0.160	0.80	0.01	0.043	1.10	0.03	0.176	0.379
	2:45 PM	16	1.50	0.01	0.080	0.80	0.01	0.043	1.10	0.01	0.059	0.181

Notes:

1. Data collections points are located within the outfall channel at 25%, 50% and 75% of the total width of the outfall channel. Station locations are the distance from the left side of the outfall channel while looking in an upstream direction.
2. ft/sec - feet per second

TABLE 20-10
WATER BUDGET OUTFALL MONITORING
OUTFALL B - INFLOW

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

Date	Time of Day	Outfall Width (feet)	DATA COLLECTION LOCATION [1]									Total Discharge (cfs)
			0+25% Station: 0+0.4'			0+50% Station: 0+0.8'			0+75% Station: 0+1.1'			
			Depth (feet)	Velocity (ft/sec)	Discharge (cfs)	Depth (feet)	Velocity (ft/sec)	Discharge (cfs)	Depth (feet)	Velocity (ft/sec)	Discharge (cfs)	
9/5/2003	2:45 PM	1.5	NM	NM	NA	1.00	0.05	0.025	NM	NM	NA	0.075
	5:30 PM	1.5	NM	NM	NA	0.5	0.05	0.013	NM	NM	NA	0.038
9/9/2003	10:45 AM	1.5	NM	NM	NA	0.53	0.14	0.037	NM	NM	NA	0.111
	4:15 PM	1.5	NM	NM	NA	0.53	0.05	0.013	NM	NM	NA	0.040
9/10/2003	10:30 AM	1.5	NM	NM	NA	0.51	0.06	0.015	NM	NM	NA	0.046
	2:00 PM	1.5	NM	NM	NA	0.51	0.01	0.003	NM	NM	NA	0.008
9/11/2003	10:00 AM	1.5	NM	NM	NA	0.5	0.02	0.005	NM	NM	NA	0.015
	4:30 PM	1.5	NM	NM	NA	0.5	0.02	0.005	NM	NM	NA	0.015
9/12/2003	9:00 AM	1.5	NM	NM	NA	0.5	0.02	0.005	NM	NM	NA	0.015
	3:00 PM	1.5	NM	NM	NA	0.5	0.01	0.003	NM	NM	NA	0.008

Notes:

1. Data collections points are located within the outfall channel at 25%, 50% and 75% of the total width of the outfall channel. Station locations are the distance from the left side of the outfall channel while looking in an upstream direction.
2. ft/sec - feet per second

TABLE 20-11
WATER BUDGET OUTFALL MONITORING
OUTFALL C - EFFLUENT

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

Date	Time of Day	Outfall Width (feet)	DATA COLLECTION LOCATION [1]									Total Discharge (cfs)
			0+25% Station: 0+2.0'			0+50% Station: 0+4.0'			0+75% Station: 0+6.0'			
			Depth (feet)	Velocity (ft/sec)	Discharge (cfs)	Depth (feet)	Velocity (ft/sec)	Discharge (cfs)	Depth (feet)	Velocity (ft/sec)	Discharge (cfs)	
9/5/2003	3:00 PM	8	1.2	1.6	5.120	1.30	1.30	4.507	1.10	0.15	0.440	10.067
	6:00 PM	8	0.6	1.08	1.728	0.60	0.42	0.672	0.50	0.22	0.293	2.693
9/9/2003	11:00 AM	8	0.6	1.16	1.856	0.60	0.30	0.480	0.40	0.02	0.021	2.357
	4:30 PM	8	0.6	1.01	1.616	0.40	0.13	0.139	0.50	0.22	0.293	2.048
9/10/2003	10:45 AM	8	0.52	0.96	1.331	0.53	0.33	0.466	0.49	0.07	0.091	1.889
	2:15 PM	8	0.52	0.94	1.303	0.53	0.31	0.438	0.49	0.03	0.039	1.781
9/11/2003	10:15 AM	8	0.52	0.92	1.276	0.50	0.22	0.293	0.45	0.04	0.048	1.617
	4:45 PM	8	0.5	0.72	0.960	0.50	0.16	0.213	0.50	0.03	0.040	1.213
9/12/2003	9:15 AM	8	0.5	0.68	0.907	0.50	0.20	0.267	0.50	0.02	0.027	1.200
	3:15 PM	8	0.5	0.64	0.853	0.50	0.38	0.507	0.50	0.04	0.053	1.413

Notes:

1. Data collections points are located within the outfall channel at 25%, 50% and 75% of the total width of the outfall channel. Station locations are the distance from the left side of the outfall channel while looking in an upstream direction.
2. ft/sec - feet per second

ITEM 21
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GECD310)
SEPTEMBER 2003

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

a. Activities Undertaken/Completed

East Street Area 1-North and South:

- Continued automated groundwater and NAPL pumping at North Side and South Side Caissons. Five gallons of oil were removed from the North Side Caisson in September.

- Continued routine well monitoring and manual NAPL removal activities. Approximately 0.024 liter (0.006 gallon) of LNAPL was recovered from wells in this area.

East Street Area 2-South:

- Continued automated groundwater and LNAPL removal activities. A total of 4,208,421 gallons of groundwater was recovered from pumping systems 64R, 64S, 64V, 64X, RW-1(S), RW-1(X), and RW-2(X). In addition, 2,092 gallons of LNAPL were removed from pumping systems 64R, 64V, RW-1(S), RW-1(X) and 64X. Summary tables follow.

- Continued automated DNAPL removal activities. Removed 55 gallons of DNAPL from pumping system RW-3(X). Summary tables follow.

- Continued routine well monitoring and manual NAPL removal activities. Approximately 2.091 liters (0.552 gallon) of LNAPL were removed from wells in this area. Summary tables follow.

- Treated and discharged 4,336,220 gallons of water through GE's 64G Groundwater Treatment Facility.

- Installed monitoring well GMA1-17

East Street Area 2-North:

- Continued routine well monitoring and manual NAPL removal activities. Recoverable thicknesses of NAPL were not encountered in the wells monitored during September.

- Tankered 12,500 gallons of water collected in the Building 9 area and 9,500 gallons of water from a pit at Building 12Y to Building 64G for treatment.

ITEM 21
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GECD310)
SEPTEMBER 2003

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

20s, 30s, and 40s Complexes:

- Continued routine well monitoring and manual NAPL removal activities. Recoverable thicknesses of NAPL were not encountered in the wells monitored during September.

Lyman Street Area:

- Continued automated groundwater and NAPL removal activities. Approximately 20 gallons of LNAPL were removed from well RW-3 during August.

- Continued routine well monitoring and manual NAPL removal activities. Approximately 2.042 liters (0.539 gallon) of DNAPL were removed from wells located in this area. Summary tables for well monitoring and oil recovery are attached.

Newell Street Area II:

- Continued automated DNAPL recovery, with the collection of approximately 416 gallons of DNAPL from the automated collection systems.

- Completed DNAPL recovery testing at the System 2 recovery wells and re-connected the wells, with the exception of well N2SC-02, to the automated system.

- Continued routine well monitoring and manual NAPL removal activities. Approximately 34.15 liters (9.01 gallons) of DNAPL were manually removed from recovery well N2SC-14 during recovery testing. Summary tables are attached.

Silver Lake Area:

- Performed water level monitoring at lake piezometers and wells surrounding the lake.

- Completed hydraulic conductivity testing of new well pairs and lake piezometers.

ITEM 21
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GECD310)
SEPTEMBER 2003

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted an Addendum to the Plant Site 1 Groundwater Management Area Groundwater Quality Interim Report for Spring 2003 (September 9, 2003).

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

- Continue ongoing NAPL recovery and well monitoring activities.
- Install and develop replacement wells 26RR and 72R upon receipt of right-of-way access work permit from City of Pittsfield.
- Decommission well MW-4 at the Lyman Street Area.
- Install and develop replacement monitoring well MW-4R at the Lyman Street Area (south of 10 Lyman Street).
- Initiate interim groundwater quality monitoring program in accordance with the conditions in EPA's September 23, 2003 conditional approval letter for GE's Baseline Groundwater Quality Interim Report for Spring 2003 (see Item 21f below).
- Conduct semi-annual NAPL bailing round and groundwater elevation/NAPL monitoring event for fall 2003.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Wells 26RR and 72R cannot be installed until a right-of-way access permit is approved by the City of Pittsfield.

ITEM 21
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GECD310)
SEPTEMBER 2003

f. Proposed/Approved Work Plan Modifications

- DNAPL did not enter well N2SC-02 during performance of DNAPL recovery testing. As such, GE has proposed that this well not be reconnected to the automated DNAPL recovery system until additional DNAPL observations are made.

- Received EPA conditional approval of GE's July 2003 Baseline Groundwater Quality Interim Report for Spring 2003, including conditional approval of GE's proposal to implement an interim groundwater monitoring program at GMA 1 until such time as all required soil-related Removal Actions are completed within this GMA and a comprehensive long-term monitoring program may be developed (September 23, 2003).

TABLE 21-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

GROUNDWATER MANAGEMENT AREA 1
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
108A Groundwater Well Development	108A-E0090-Water-1	9/17/03	Water	CT&E	PCB, VOC, SVOC, RCRA Metals	9/25/03
GMA1 South Purgewater Drum Sampling	GMA1SOUTH-B0696-WATER-1	9/9/03	Water	CT&E	PCB, SVOC, RCRA Metals	9/18/03
GMA1 South Purgewater Drum Sampling	GMA1SOUTH-E0074-WATER-1	9/9/03	Water	CT&E	PCB, SVOC, RCRA Metals	9/18/03
GMA1-15 Groundwater Purge Drum Sampling	GMA1-15-B0187-Water-1	9/17/03	Water	CT&E	PCB, VOC, SVOC, RCRA Metals	9/25/03
GMA1-16 Purgewater Drum Sampling	GMA1-16-E0068-WATER-1	9/9/03	Water	CT&E	PCB, VOC, SVOC, RCRA Metals	9/18/03
Groundwater Purge Drum Sampling	LSSC-081-E0078-Water-1	9/17/03	Water	CT&E	RCRA Metals	9/24/03

TABLE 21-2
WATER SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

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

Parameter / Sample ID: / Date Collected:	108A-E0090-WATER-1 09/17/03	GMA1-15-B0187-WATER-1 09/17/03	GMA1-16-E0068-WATER-1 09/09/03
Volatile Organics			
Chlorobenzene	ND(0.0050)	ND(0.0050)	2.4
PCBs-Unfiltered			
Aroclor-1254	0.0053	0.013	ND(0.033)
Aroclor-1260	0.0062	0.014	0.15
Total PCBs	0.0115	0.027	0.15
Semivolatile Organics			
1,3-Dichlorobenzene	ND(0.010)	ND(0.010)	0.0056 J
1,4-Dichlorobenzene	0.0037 J	ND(0.010)	0.018
2-Chlorophenol	ND(0.010)	ND(0.010)	0.084
Acenaphthene	ND(0.010)	ND(0.010)	0.12
Acetophenone	ND(0.010)	ND(0.010)	0.0027 J
Anthracene	ND(0.010)	ND(0.010)	0.022
Benzo(a)anthracene	ND(0.010)	ND(0.010)	0.0062 J
Benzo(a)pyrene	ND(0.010)	ND(0.010)	0.0043 J
Chrysene	ND(0.010)	ND(0.010)	0.0057 J
Dibenzofuran	ND(0.010)	ND(0.010)	0.0050 J
Fluoranthene	ND(0.010)	ND(0.010)	0.014
Fluorene	ND(0.010)	ND(0.010)	0.038
Naphthalene	ND(0.010)	ND(0.010)	0.31 J
Phenanthrene	ND(0.010)	ND(0.010)	0.073
Pyrene	ND(0.010)	ND(0.010)	0.024
Inorganics-Unfiltered			
Arsenic	0.0260	0.0750	0.00710
Barium	0.180	1.00	0.0780
Cadmium	ND(0.00100)	0.0100	ND(0.00100)
Chromium	0.0320	0.0860	0.0310
Lead	0.0480	1.60	0.200
Mercury	ND(0.000200)	0.00940	0.00300
Silver	0.00110 B	ND(0.00500)	ND(0.00500)

TABLE 21-2
WATER SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

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

Parameter / Sample ID: / Date Collected:	GMA1SOUTH-B0696-WATER-1 09/09/03	GMA1SOUTH-E0074-WATER-1 09/09/03	LSSC-081-E0078-WATER-1 09/17/03
Volatile Organics			
Chlorobenzene	NA	NA	NA
PCBs-Unfiltered			
Aroclor-1254	0.0010	0.0027	NA
Aroclor-1260	ND(0.000065)	ND(0.00025)	NA
Total PCBs	0.0010	0.0027	NA
Semivolatile Organics			
1,3-Dichlorobenzene	ND(0.010)	ND(0.010)	NA
1,4-Dichlorobenzene	ND(0.010)	ND(0.010)	NA
2-Chlorophenol	ND(0.010)	ND(0.010)	NA
Acenaphthene	ND(0.010)	ND(0.010)	NA
Acetophenone	ND(0.010)	ND(0.010)	NA
Anthracene	ND(0.010)	ND(0.010)	NA
Benzo(a)anthracene	ND(0.010)	ND(0.010)	NA
Benzo(a)pyrene	ND(0.010)	ND(0.010)	NA
Chrysene	ND(0.010)	ND(0.010)	NA
Dibenzofuran	ND(0.010)	ND(0.010)	NA
Fluoranthene	ND(0.010)	ND(0.010)	NA
Fluorene	ND(0.010)	ND(0.010)	NA
Naphthalene	ND(0.010)	ND(0.010)	NA
Phenanthrene	ND(0.010)	ND(0.010)	NA
Pyrene	ND(0.010)	ND(0.010)	NA
Inorganics-Unfiltered			
Arsenic	ND(0.00500)	ND(0.00500)	0.00440 B
Barium	0.0180	0.0320	0.120
Cadmium	ND(0.00100)	ND(0.00100)	0.00320
Chromium	ND(0.00500)	0.00200 B	0.0110
Lead	ND(0.00500)	ND(0.00500)	0.0140
Mercury	ND(0.000200)	ND(0.000200)	0.000140 B
Silver	ND(0.00500)	ND(0.00500)	0.00110 B

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles and metals.
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parentheses 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).

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

TABLE 21-3
AUTOMATED LNAPL & GROUNDWATER RECOVERY SYSTEMS MONTHLY SUMMARY
EAST STREET AREA 1 - NORTH & SOUTH
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

Caisson	Month	Vol. LNAPL Collected (gallon)	Vol. Water Recovered (gallon)	Percent Downtime*
Northside	September 2002	0.0	10,800	
	October 2002	0.0	14,500	
	November 2002	1.0	20,700	
	December 2002	55.0	30,200	
	January 2003	2.0	24,000	
	February 2003	5.0	21,500	
	March 2003	0.0	31,900	
	April 2003	2.0	45,800	
	May 2003	0.0	21,400	
	June 2003	0.0	20,800	
	July 2003	0.0	23,100	
	August 2003	0.0	13,800	
	September 2003	5.0	26,800	0.074 Power Outage
Southside	September 2002	0.0	36,570	
	October 2002	0.0	53,000	
	November 2002	2.0	61,700	
	December 2002	0.0	78,700	3.2
	January 2003	3.0	60,700	
	February 2003	1.0	54,600	
	March 2003	0.0	43,600	1.8
	April 2003	0.0	12,500	
	May 2003	0.0	93,200	
	June 2003	0.0	100,100	
	July 2003	2.0	101,000	
	August 2003	0.0	65,900	1.19
	September 2003	0.0	77,600	0.074 Power Outage

TABLE 21-4
MEASUREMENT AND REMOVAL OF RECOVERABLE LNAPL
EAST STREET AREA 1 - NORTH & SOUTH
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	September 2003 Removal (liters)
34	9/4/2003	5.80	5.78	0.02	0.012	0.012
72	9/4/2003	6.62	6.60	0.02	0.012	0.012

Total Manual LNAPL Removal for September 2003: 0.024 liters
0.006 gallons

NOTE:

1. ft BMP - feet Below Measuring Point

TABLE 21-5
ROUTINE WELL MONITORING
EAST STREET AREA 1 - NORTH & SOUTH
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

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	9/4/2003	4.82	---	0.00	---	15.40	0.00	994.44
131	1,001.18	9/4/2003	4.37	---	0.00	---	6.41	0.00	996.81
ES1-08	1,000.85	9/4/2003	5.47	---	0.00	---	13.53	0.00	995.38
North Cassion	997.84	9/3/2003	18.37	18.36	0.01	---	20.00	0.00	979.48
North Cassion	997.84	9/10/2003	18.44	18.42	0.02	---	20.00	0.00	979.42
North Cassion	997.84	9/17/2003	17.96	17.95	0.01	---	20.00	0.00	979.89
North Cassion	997.84	9/24/2003	18.32	18.29	0.03	---	20.00	0.00	979.55
GMA 1 - East Street Area 1 - South									
31R	1,000.23	9/4/2003	9.15	---	0.00	---	15.07	0.00	991.08
33	999.50	9/4/2003	5.88	---	0.00	---	21.49	0.00	993.62
34	999.90	9/4/2003	5.80	5.78	0.02	---	21.05	0.00	994.12
72	1,000.62	9/4/2003	6.62	6.60	0.02	---	20.02	0.00	994.02
South Cassion	1,001.11	9/3/2003	14.40	14.36	0.04	---	16.61	0.00	986.75
South Cassion	1,001.11	9/10/2003	14.58	14.56	0.02	---	16.61	0.00	986.55
South Cassion	1,001.11	9/17/2003	13.26	13.23	0.03	---	16.61	0.00	987.88
South Cassion	1,001.11	9/24/2003	12.48	12.42	0.06	---	16.61	0.00	988.69

NOTES:

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

TABLE 21-6
AUTOMATED LNAPL/DNAPL & GROUNDWATER RECOVERY SYSTEMS
EAST STREET AREA 2 - SOUTH
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
September 2003

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
64V	September 2002	306	784,500	
	October 2002	663	970,300	0.27
	November 2002	663	845,000	
	December 2002	675	1,134,300	
	January 2003	1,492	1,055,400	
	February 2003	527	982,200	
	March 2003	374	1,048,800	
	April 2003	425	1,752,300	
	May 2003	220	1,202,200	
	June 2003	408	1,092,800	
	July 2003	408	1,184,900	
	August 2003	391	1,026,400	
	September 2003	867	1,020,100	
64R	September 2002	110 *	14,900	
	October 2002	760 *	15,000	
	November 2002	0	79,600	
	December 2002	0	275,600	
	January 2003	23	380,100	
	February 2003	200	253,900	
	March 2003	125	304,200	
	April 2003	1,600	1,684,400	
	May 2003	370	571,600	
	June 2003	175	483,000	
	July 2003	750	525,200	
	August 2003	300	580,600	
	September 2003	1,150	639,200	
40R	September 2002	110 *		
	October 2002	760 *		
	November 2002	175		
	December 2002	25		
	January 2003	17		
	February 2003	0		
	March 2003	0		
	April 2003	0		
	May 2003	0		
	June 2003	0		
	July 2003	0		
	August 2003	0		
	September 2003	0		
RW-2(X)	September 2002	0	198,300	
	October 2002	0	226,300	0.27
	November 2002	0	143,800	
	December 2002	0	143,400	
	January 2003	0	276,700	
	February 2003	0	238,200	
	March 2003	0	267,200	
	April 2003	0	588,200	
	May 2003	0	504,900	
	June 2003	0	337,800	
	July 2003	0	504,000	
	August 2003	0	481,800	
	September 2003	0	403,800	

TABLE 21-6
AUTOMATED LNAPL/DNAPL & GROUNDWATER RECOVERY SYSTEMS
EAST STREET AREA 2 - SOUTH
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
September 2003

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
64X	September 2002	15 **	388,800	
	October 2002	48	504,000	0.27
	November 2002	50	403,200	
	December 2002	10	489,600	
	January 2003	2	417,600	
	February 2003	2	403,200	
	March 2003	0	403,200	
	April 2003	5	504,000	
	May 2003	15	403,200	
	June 2003	25	403,200	
	July 2003	20	500,300	
	August 2003	30	403,200	
	September 2003	15	403,200	
RW-1(X)	September 2002	15 **	461,900	
	October 2002	5	590,800	0.27
	November 2002	0	518,300	
	December 2002	5	412,300	
	January 2003	5	276,600	
	February 2003	0	285,100	
	March 2003	5	485,000	
	April 2003	5	689,700	
	May 2003	0	482,900	6.8
	June 2003	0	502,100	
	July 2003	0	541,200	
	August 2003	0	499,300	
	September 2003	10	486,700	
64S	September 2002	225 ***	58,536	
	October 2002	225 ***	324,556	
	November 2002	300 ***	311,198	
	December 2002	0	387,100	
	January 2003	0	310,806	
	February 2003	0	271,609	
	March 2003	0	246,416	
	April 2003	625	630,314	
	May 2003	460	445,090	
	June 2003	950	276,675	
	July 2003	750	48,725	
	August 2003	38	302,161	
	September 2003	0	443,631	
RW-1(S) [1]	September 2002	225 ***	464,990	
	October 2002	225 ***	650,450	
	November 2002	300 ***	600,680	
	December 2002	150	842,760	
	January 2003	100	675,151	
	February 2003	100	576,646	
	March 2003	100	686,332	
	April 2003	0	1,155,188	10.82
	May 2003	0	880,083	
	June 2003	0	806,285	
	July 2003	0	821,262	
	August 2003	12	776,403	
	September 2003	50	811,790	

TABLE 21-6
AUTOMATED LNAPL/DNAPL & GROUNDWATER RECOVERY SYSTEMS
EAST STREET AREA 2 - SOUTH
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS
September 2003

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
RW-3(X)	September 2002	54		
	October 2001	55		
	November 2002	55		
	December 2002	27		
	January 2003	53		
	February 2003	52		
	March 2003	28		
	April 2003	55		
	May 2003	52		
	June 2003	27		
	July 2003	56		
	August 2003	54		
	September 2003	55		

SUMMARY OF TOTAL AUTOMATED REMOVAL	
LNAPL:	2,092 Gallons
DNAPL:	55 Gallons
Water:	4,208,421 Gallons

Notes:

* - Oil collected is combination of 64R and 40R, since November 2002 oil has been collected separately from these wells.

** - Oil collected is combination of RW-1(X) and 64X, since October 2002 oil has been collected separately from these wells.

*** - Oil collected is combination of 64S and RW-1(S), since December 2002 oil has been collected separately from these wells.

1. The flow meter at recovery well RW-1(S) was reset in June 2003.

TABLE 21-7
WELL MONITORING AND RECOVERY OF LNAPL
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	September 2003 Removal (liters)
13	9/4/2003	16.73	16.72	0.01	0.006	0.055
	9/9/2003	16.42	16.41	0.01	0.006	
	9/11/2003	16.70	16.69	0.01	0.006	
	9/16/2003	17.12	17.10	0.02	0.012	
	9/18/2003	17.05	17.02	0.03	0.019	
	9/25/2003	16.24	16.23	0.01	0.006	
14	9/2/2003	17.41	17.40	0.01	0.006	0.024
	9/11/2003	16.91	16.90	0.01	0.006	
	9/18/2003	17.24	17.23	0.01	0.006	
	9/25/2003	16.35	16.34	0.01	0.006	
15R	9/2/2003	15.21	15.18	0.03	0.019	0.044
	9/11/2003	14.84	14.80	0.04	0.025	
55	9/2/2003	16.97	16.51	0.46	0.284	0.284
GMA1-15	9/2/2003	15.31	14.79	0.52	0.321	1.610
	9/11/2003	15.35	14.52	0.83	0.215	
	9/18/2003	15.41	14.72	0.69	0.426	
	9/25/2003	14.50	13.45	1.05	0.648	
GMA1-16	9/2/2003	12.92	12.91	0.01	0.006	0.074
	9/11/2003	12.87	12.81	0.06	0.037	
	9/18/2003	12.94	12.93	0.01	0.006	
	9/25/2003	11.96	11.92	0.04	0.025	

Total LNAPL Removal 20's, 30's & 40's Complexs for September 2003: 0.000 liters
0.000 gallons

Total LNAPL Removal East Street Area 2 - North for September 2003: 0.000 liters
0.000 gallons

Total LNAPL Removal East Street Area 2 - South for September 2003: 2.091 liters
0.552 gallons

Total LNAPL Removal for September 2003: 2.091 liters
0.552 gallons

NOTE:

1. ft BMP - feet Below Measuring Point

TABLE 21-8
64G TREATMENT PLANT DISCHARGE DATA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

Date	Housatonic River Discharge (gallons)	Recharge Pond Discharge (gallons)	Total Discharge (gallons)
September 2002	2,366,462	403,442	2,769,904
October 2002	2,596,390	281,863	2,878,253
November 2002	3,078,590	176,921	3,255,511
December 2002	3,048,180	175,940	3,224,120
January 2003	2,997,020	181,881	3,178,901
February 2003	2,793,860	183,835	2,977,695
March 2003	3,713,810	98,305	3,812,115
April 2003	4,909,250	160,917	5,070,167
May 2003	4,145,930	248,391	4,394,321
June 2003	3,603,998	319,326	3,923,324
July 2003	2,785,280	429,342	3,214,622
August 2003	3,810,650	339,323	4,149,973
September 2003	4,336,220	294,016	4,630,236

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

TABLE 21-9
ROUTINE WELL MONITORING
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

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)
30's Complex									
95-15	986.38	9/2/2003	8.10	—	0.00	—	16.64	0.00	978.28
GMA1-10	984.86	9/2/2003	7.56	—	0.00	—	19.86	0.00	977.30
GMA1-12	992.26	9/2/2003	16.06	—	0.00	—	22.16	0.00	976.20
RF-02	982.43	9/2/2003	5.76	—	0.00	—	18.30	0.00	976.67
RF-03	985.40	9/2/2003	9.51	—	0.00	—	18.42	0.00	975.89
RF-03D	985.31	9/2/2003	7.42	—	0.00	—	36.02	0.00	977.89
RF-16	987.91	9/2/2003	9.21	—	0.00	—	20.76	0.00	978.70
40s Complex									
Bldg. 42 Elev.	NA	9/2/2003	18.73	P	< 0.01	—	NM	0.00	NA
Bldg. 42 Elev.	NA	9/8/2003	18.51	P	< 0.01	—	NM	0.00	NA
Bldg. 42 Elev.	NA	9/15/2003	18.73	P	< 0.01	—	NM	0.00	NA
Bldg. 42 Elev.	NA	9/22/2003	19.88	P	< 0.01	—	NM	0.00	NA
Bldg. 42 Elev.	NA	9/29/2003	18.55	P	< 0.01	—	NM	0.00	NA
95-17	1,007.67	9/2/2003	24.05	—	0.00	—	29.36	0.00	983.62
East Street Area 2 - North									
05-N	1,009.23	9/2/2003	24.23	—	0.00	27.37	27.46	0.09	985.00
East Street Area 2 - South									
13	990.88	9/2/2003	17.16	—	0.00	—	22.61	0.00	973.72
13	990.88	9/4/2003	16.73	16.72	0.01	—	22.61	0.00	974.16
13	990.88	9/9/2003	16.42	16.41	0.01	—	22.61	0.00	974.47
13	990.88	9/11/2003	16.70	16.69	0.01	—	22.61	0.00	974.19
13	990.88	9/16/2003	17.12	17.10	0.02	—	22.61	0.00	973.78
13	990.88	9/18/2003	17.05	17.02	0.03	—	22.61	0.00	973.86
13	990.88	9/23/2003	16.78	—	0.00	—	22.61	0.00	974.10
13	990.88	9/25/2003	16.24	16.23	0.01	—	22.61	0.00	974.65
14	991.61	9/2/2003	17.41	17.40	0.01	—	25.85	0.00	974.21
14	991.61	9/11/2003	16.91	16.90	0.01	—	25.83	0.00	974.71
14	991.61	9/18/2003	17.24	17.23	0.01	—	25.83	0.00	974.38
14	991.61	9/25/2003	16.35	16.34	0.01	—	25.85	0.00	975.27
15R	989.23	9/2/2003	15.21	15.18	0.03	—	19.65	0.00	974.05
15R	989.23	9/11/2003	14.84	14.80	0.04	—	19.65	0.00	974.43
15R	989.23	9/18/2003	15.10	—	0.00	—	19.66	0.00	974.13
15R	989.23	9/25/2003	14.16	—	0.00	—	19.65	0.00	975.07
32	990.81	9/2/2003	12.34	—	0.00	—	16.84	0.00	978.47
36	983.02	9/2/2003	8.71	—	0.00	—	13.40	0.00	974.31
37	980.37	9/2/2003	5.47	—	0.00	—	12.38	0.00	974.90
38	980.77	9/2/2003	5.12	—	0.00	—	13.77	0.00	975.65
40R	991.60	9/3/2003	15.82	P	< 0.01	—	25.00	0.00	975.78
40R	991.60	9/10/2003	15.71	—	0.00	—	25	0.00	975.89
40R	991.60	9/17/2003	15.88	P	< 0.01	—	25	0.00	975.72
40R	991.60	9/24/2003	15.21	P	< 0.01	—	25	0.00	976.39
49R	988.71	9/2/2003	15.57	—	0.00	—	24.86	0.00	973.14
49R	988.71	9/11/2003	15.22	—	0.00	—	24.88	0.00	973.49
49R	988.71	9/18/2003	15.35	—	0.00	—	24.88	0.00	973.36
49R	988.71	9/25/2003	14.05	—	0.00	—	24.88	0.00	974.66
49RR	989.80	9/2/2003	16.75	—	0.00	—	23.15	0.00	973.05
49RR	989.80	9/11/2003	16.21	—	0.00	—	23.14	0.00	973.59
49RR	989.80	9/18/2003	16.53	—	0.00	—	23.14	0.00	973.27
49RR	989.80	9/25/2003	15.50	—	0.00	—	23.13	0.00	974.30
50	985.79	9/2/2003	10.21	10.16	0.05	—	23.48	0.00	975.63
50	985.79	9/11/2003	10.08	10.01	0.07	—	23.46	0.00	975.78
50	985.79	9/18/2003	10.27	10.15	0.12	—	23.48	0.00	975.63
50	985.79	9/25/2003	10.08	10.03	0.05	—	23.48	0.00	975.76

TABLE 21-9
ROUTINE WELL MONITORING
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

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)
51	985.38	9/2/2003	11.70	—	0.00	—	23.95	0.00	973.68
52	985.18	9/2/2003	11.71	—	0.00	—	23.95	0.00	973.47
53	986.90	9/2/2003	13.96	—	0.00	—	25.93	0.00	972.94
53	986.90	9/11/2003	13.94	—	0.00	—	25.88	0.00	972.96
53	986.90	9/18/2003	13.80	—	0.00	—	25.88	0.00	973.10
53	986.90	9/25/2003	11.87	—	0.00	—	25.88	0.00	975.03
54	985.78	9/2/2003	13.25	—	0.00	—	25.79	0.00	972.53
54	985.78	9/11/2003	13.18	—	0.00	—	25.78	0.00	972.60
54	985.78	9/18/2003	13.05	—	0.00	—	25.78	0.00	972.73
54	985.78	9/25/2003	11.23	—	0.00	—	25.78	0.00	974.55
55	989.45	9/2/2003	16.97	16.51	0.46	—	30.03	0.00	972.91
62	979.11	9/2/2003	5.74	—	0.00	—	19.44	0.00	973.37
64R	993.37	9/3/2003	17.09	17.08	0.01	—	20.67	0.00	976.29
64R	993.37	9/10/2003	16.81	P	< 0.01	—	20.67	0.00	976.56
64R	993.37	9/17/2003	16.61	16.60	0.01	—	20.67	0.00	976.77
64R	993.37	9/24/2003	17.24	17.16	0.08	—	20.67	0.00	976.20
64S	984.48	9/3/2003	21.55	P	< 0.01	—	29.48	0.00	962.93
64S	984.48	9/10/2003	21.84	—	0.00	—	29.48	0.00	962.64
64S	984.48	9/17/2003	21.83	—	0.00	—	29.48	0.00	962.65
64S	984.48	9/24/2003	21.11	—	0.00	—	29.48	0.00	963.37
64S-Caisson	NA	9/3/2003	10.64	10.24	0.40	—	NM	0.00	NA
64S-Caisson	NA	9/10/2003	10.69	10.22	0.47	—	NM	0.00	NA
64S-Caisson	NA	9/17/2003	10.75	10.26	0.49	—	NM	0.00	NA
64S-Caisson	NA	1/9/1900	10.60	10.09	0.51	—	NM	0.00	NA
64V	987.29	9/3/2003	22.30	21.30	1.00	P	30.29	< 0.01	965.92
64V	987.29	9/10/2003	22.40	21.60	0.80	—	30.29	0.00	965.63
64V	987.29	9/17/2003	22.20	21.40	0.80	P	30.29	< 0.01	965.83
64V	987.29	9/24/2003	22.30	21.40	0.90	P	30.29	< 0.01	965.83
64X(N)	984.83	9/3/2003	11.33	11.16	0.17	—	15.83	0.00	973.66
64X(N)	984.83	9/10/2003	11.82	11.65	0.17	—	15.83	0.00	973.17
64X(N)	984.83	9/17/2003	11.93	11.76	0.17	—	15.83	0.00	973.06
64X(N)	984.83	9/24/2003	9.97	9.82	0.15	—	15.83	0.00	975.00
64X(S)	981.56	9/3/2003	13.55	13.52	0.03	—	16.06	0.00	968.04
64X(S)	981.56	9/10/2003	14.16	14.15	0.01	—	16.06	0.00	967.41
64X(S)	981.56	9/17/2003	14.14	14.11	0.03	—	16.06	0.00	967.45
64X(S)	981.56	9/24/2003	11.88	11.87	0.01	—	16.06	0.00	969.69
64X(W)	984.87	9/3/2003	16.75	16.71	0.04	—	18.57	0.00	968.16
64X(W)	984.87	9/10/2003	17.38	17.34	0.04	—	18.57	0.00	967.53
64X(W)	984.87	9/17/2003	17.34	17.32	0.02	—	18.57	0.00	967.55
64X(W)	984.87	9/24/2003	15.07	15.06	0.01	—	18.57	0.00	969.81
3-6C-EB-22	986.94	9/2/2003	13.21	—	0.00	—	20.03	0.00	973.73
95-01	983.77	9/2/2003	10.00	—	0.00	—	17.22	0.00	973.77
E2SC-03I	982.12	9/2/2003	8.73	—	0.00	39.64	45.49	5.85	973.39
E2SC-17	985.38	9/2/2003	11.58	—	0.00	46.35	47.87	1.52	973.80
E2SC-22	986.51	9/2/2003	12.78	—	0.00	—	17.37	0.00	973.73
E2SC-23	992.07	9/2/2003	17.41	—	0.00	—	21.15	0.00	974.66
E2SC-23	992.07	9/11/2003	17.17	—	0.00	—	21.15	0.00	974.90
E2SC-23	992.07	9/18/2003	17.35	—	0.00	—	26.16	0.00	974.72
E2SC-23	992.07	9/25/2003	16.93	—	0.00	—	26.16	0.00	975.14
E2SC-24	987.90	9/2/2003	15.07	—	0.00	—	21.65	0.00	972.83
E2SC-24	987.90	9/11/2003	15.40	—	0.00	—	21.65	0.00	972.50
E2SC-24	987.90	9/18/2003	14.96	—	0.00	—	21.65	0.00	972.94
E2SC-24	987.90	9/25/2003	12.78	—	0.00	—	21.66	0.00	975.12
ES2-04	983.84	9/2/2003	9.66	—	0.00	—	21.74	0.00	974.18

TABLE 21-9
ROUTINE WELL MONITORING
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

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)
ES2-06	986.00	9/2/2003	12.56	—	0.00	—	34.28	0.00	973.44
ES2-08	994.87	9/2/2003	21.22	—	0.00	—	24.82	0.00	973.65
ES2-17	986.62	9/2/2003	12.81	—	0.00	20.87	21.14	0.27	973.81
GMA1-13	991.41	9/2/2003	18.21	—	0.00	—	27.18	0.00	973.20
GMA1-14	997.43	9/2/2003	19.08	—	0.00	—	23.39	0.00	978.35
GMA1-15	988.59	9/2/2003	15.31	14.79	0.52	—	17.84	0.00	973.76
GMA1-15	988.59	9/11/2003	15.35	14.52	0.83	—	17.83	0.00	974.01
GMA1-15	988.59	9/18/2003	15.41	14.72	0.69	—	17.85	0.00	973.82
GMA1-15	988.59	9/25/2003	14.50	13.45	1.05	—	17.85	0.00	975.07
GMA1-16	986.82	9/2/2003	12.92	12.91	0.01	—	20.02	0.00	973.91
GMA1-16	986.82	9/11/2003	12.87	12.81	0.06	—	20.02	0.00	974.01
GMA1-16	986.82	9/18/2003	12.94	12.93	0.01	—	20.02	0.00	973.89
GMA1-16	986.82	9/25/2003	11.96	11.92	0.04	—	20.02	0.00	974.90
GMA1-17	NA	9/29/2003	13.78	—	0.00	—	17.50	0.00	NA
HR-C-RW-1	NA	9/2/2003	4.82	—	0.00	22.64	22.70	0.06	NA
HR-G1-MW-1	982.42	9/2/2003	9.02	—	0.00	—	20.34	0.00	973.40
HR-G1-MW-2	980.23	9/2/2003	6.88	—	0.00	—	28.50	0.00	973.35
HR-G1-MW-3	980.21	9/2/2003	6.83	—	0.00	—	17.90	0.00	973.38
HR-G2-MW-1	982.60	9/2/2003	9.24	—	0.00	—	18.24	0.00	973.36
HR-G2-MW-2	981.39	9/2/2003	7.68	—	0.00	—	17.66	0.00	973.71
HR-G2-MW-3	987.14	9/2/2003	13.54	—	0.00	—	22.01	0.00	973.60
HR-G2-RW-1	976.88	9/2/2003	4.14	4.13	0.01	—	18.71	0.00	973.79
HR-G3-MW-1	982.45	9/2/2003	13.63	—	0.00	—	17.72	0.00	968.82
HR-G3-MW-2	987.88	9/2/2003	14.45	—	0.00	—	17.73	0.00	973.43
HR-G3-RW-1	977.78	9/2/2003	4.34	—	0.00	—	8.56	0.00	973.44
HR-J1-MW-1	985.95	9/2/2003	12.28	—	0.00	—	26.00	0.00	973.67
HR-J1-MW-2	983.56	9/2/2003	9.96	—	0.00	—	17.83	0.00	973.60
HR-J1-MW-3	987.68	9/2/2003	14.08	—	0.00	—	26.60	0.00	973.60
HR-J1-RW-1	975.05	9/2/2003	1.38	—	0.00	—	14.92	0.00	973.67
RW-1(S)	987.23	9/3/2003	18.45	17.85	0.60	P	30.23	< 0.01	969.34
RW-1(S)	987.23	9/10/2003	18.80	17.80	1.00	P	30.23	< 0.01	969.36
RW-1(S)	987.23	9/17/2003	18.90	17.90	1.00	P	30.23	< 0.01	969.26
RW-1(S)	987.23	9/24/2003	18.98	18.00	0.98	P	30.23	< 0.01	969.16
RW-1(X)	982.68	9/3/2003	15.40	14.60	0.80	—	23.98	0.00	968.02
RW-1(X)	982.68	9/10/2003	15.90	14.80	1.10	—	23.98	0.00	967.80
RW-1(X)	982.68	9/17/2003	10.10	P	< 0.01	—	23.98	0.00	972.58
RW-1(X)	982.68	9/24/2003	14.16	P	< 0.01	—	23.98	0.00	968.52
RW-2(X)	985.96	9/3/2003	18.95	—	0.00	—	23.76	0.00	967.01
RW-2(X)	985.96	9/10/2003	18.82	—	0.00	—	23.76	0.00	967.14
RW-2(X)	985.96	9/17/2003	19.30	—	0.00	—	23.76	0.00	966.66
RW-2(X)	985.96	9/24/2003	12.62	—	0.00	—	23.76	0.00	973.34
RW-3(X)	980.28	9/3/2003	8.58	—	0.00	43.28	46.38	3.10	971.70
RW-3(X)	980.28	9/10/2003	7.95	—	0.00	43.28	46.38	3.10	972.33
RW-3(X)	980.28	9/17/2003	8.45	—	0.00	43.18	46.38	3.20	971.83
RW-3(X)	980.28	9/24/2003	6.58	—	0.00	43.38	46.38	3.00	973.70
TMP-1	992.74	9/2/2003	19.68	—	0.00	—	21.87	0.00	973.06
TMP-1	992.74	9/11/2003	19.21	—	0.00	—	21.87	0.00	973.53
TMP-1	992.74	9/18/2003	19.45	—	0.00	—	21.87	0.00	973.29
TMP-1	992.74	9/25/2003	18.36	—	0.00	—	21.87	0.00	974.38

TABLE 21-9
ROUTINE WELL MONITORING
EAST STREET AREA 2 - NORTH & SOUTH / 20s, 30s, & 40s COMPLEXES
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
Housatonic River									
SG-HR-1	990.73	9/2/2003	17.38	---	0.00	---	NM	0.00	973.35
SG-HR-1	990.73	9/11/2003	19.36	---	0.00	---	NM	0.00	971.37
SG-HR-1	990.73	9/18/2003	18.74	---	0.00	---	NM	0.00	971.99
SG-HR-1	990.73	9/25/2003	15.81	---	0.00	---	NM	0.00	974.92
Housatonic River (Temporary Monitoring Pt.)	See Note 9	9/5/2003	6.25	NM	NM	NM	NM	NM	See Note 9

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. No measurements were obtained at this time due to the operation of the auto skimmer.
8. A survey reference point (SG-HR-1) was established on the Newell Street Bridge. The "Depth to Water" value(s) provided in the above table refer to the vertical distance from the surveyed reference point to the water surface.
9. A data logger has been placed at this location. Data is collected and subsequently presented in the Semi-Annual GMA 1 Baseline Groundwater Monitoring Reports. The depth to water measurement is used to confirm the data logger measurements.

TABLE 21-10
ACTIVE RECOVERY SYSTEMS MONTHLY SUMMARY
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

Month / Year	Volume Water Pumped (gallon)	RW-1R LNAPL Recovered (gallon)	RW-1 DNAPL Recovered (gallon)	RW-3 LNAPL Recovered (gallon)
September 2001	167,528	3	---	10
October 2001	216,268	5	---	15
November 2001	153,198	5	---	15
December 2001	166,477	10	---	15
January 2002	190,471	---	---	10
February 2002	154,671	7	---	10
March 2002	183,708	---	---	20
April 2002	220,657	5	---	10
May 2002	290,851	---	---	10
June 2002	264,424	---	---	15
July 2002	219,781	13	---	5
August 2002	127,581	---	---	15
September 2002	165,634	4	---	10
October 2002	271,056	---	---	15
November 2002	264,950	---	---	5
December 2002	316,482	2	---	23
January 2003	272,679	---	---	20
February 2003	228,093	---	---	20
March 2003	287,152	---	---	20
April 2003	518,782	---	---	10
May 2003	281,349	---	---	10
June 2003	266,987	---	---	10
July 2003	244,776	---	---	10
August 2003	290,984	---	---	10
September 2003	309,162	0	---	20

NOTES

1. Volume of water pumped is total from Wells RW-1/1(R), RW-2 and RW-3.
2. As of September 9, 1998 RW-1 was replaced by RW-1(R) for active LNAPL recovery.
3. --- indicates LNAPL or DNAPL was not present in a measurable quantity
4. RW-1R downtime was approximately 0.67% in September to clean probe.

TABLE 21-11
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	September 2003 Removal (liters)
LS-30	9/11/2003	13.37	21.45	0.77	0.495	0.495
LS-31	9/25/2003	12.68	22.78	0.54	0.332	0.332
LS-34	9/25/2003	10.64	28.02	0.53	0.327	0.327
LS-38	9/11/2003	14.61	24.98	0.06	0.037	0.074
	9/25/2003	12.40	25.00	0.06	0.037	
LSSC-07	9/2/2003	8.98	24.98	0.10	0.062	0.678
	9/4/2003	7.51	24.96	0.12	0.074	
	9/5/2003	6.71	24.97	0.11	0.068	
	9/9/2003	9.34	24.95	0.13	0.080	
	9/11/2003	9.69	25.00	0.08	0.049	
	9/16/2003	9.56	24.88	0.20	0.123	
	9/18/2003	9.54	24.98	0.10	0.062	
	9/19/2003	9.56	25.06	0.02	0.012	
	9/23/2003	9.46	24.94	0.14	0.086	
	9/25/2003	7.24	25.01	0.07	0.043	
	9/26/2003	8.18	25.05	0.03	0.019	
LSSC-08I	9/11/2003	11.20	23.35	0.04	0.025	0.043
	9/18/2003	10.74	23.38	0.02	0.012	
	9/25/2003	7.83	23.39	0.01	0.006	
LSSC-16I	9/2/2003	7.31	28.48	0.05	0.031	0.093
	9/11/2003	8.01	28.50	0.03	0.019	
	9/18/2003	7.81	28.46	0.07	0.043	

Total Manual DNAPL Removal for September 2003: 2.042 liters
0.539 gallons

NOTES:

1. ft BMP - feet Below Measuring Point

TABLE 21-12
ROUTINE WELL MONITORING
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

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	9/2/2003	7.05	---	0.00	---	19.82	0.00	975.82
EPA-1	NA	9/2/2003	9.68	---	0.00	---	22.66	0.00	NA
LS-12	985.49	9/2/2003	11.28	---	0.00	---	26.50	0.00	974.21
LS-12	985.49	9/11/2003	11.78	---	0.00	26.46	26.49	0.03	973.71
LS-12	985.49	9/18/2003	11.45	---	0.00	---	26.50	0.00	974.04
LS-12	985.49	9/25/2003	9.73	---	0.00	---	26.51	0.00	975.76
LS-24	986.58	9/2/2003	13.39	---	0.00	---	15.21	0.00	973.19
LS-30	986.44	9/2/2003	13.62	---	0.00	21.87	22.22	0.35	972.82
LS-30	986.44	9/11/2003	13.37	13.35	0.02	21.45	22.22	0.77	973.09
LS-30	986.44	9/18/2003	13.61	13.60	0.01	22.15	22.22	0.07	972.84
LS-30	986.44	9/25/2003	12.92	12.91	0.01	21.96	22.22	0.26	973.53
LS-31	987.09	9/2/2003	13.38	---	0.00	23.16	23.32	0.16	973.71
LS-31	987.09	9/11/2003	13.07	13.01	0.06	23.02	23.32	0.30	974.08
LS-31	987.09	9/18/2003	13.27	---	0.00	22.89	23.32	0.43	973.82
LS-31	987.09	9/25/2003	12.68	12.66	0.02	22.78	23.32	0.54	974.43
LS-34	985.79	9/2/2003	12.40	---	0.00	28.23	28.54	0.31	973.39
LS-34	985.79	9/11/2003	12.64	---	0.00	28.21	28.55	0.34	973.15
LS-34	985.79	9/18/2003	12.68	---	0.00	28.16	28.53	0.37	973.11
LS-34	985.79	9/25/2003	10.64	---	0.00	28.02	28.55	0.53	975.15
LS-38	986.95	9/2/2003	14.10	---	0.00	---	25.04	0.00	972.85
LS-38	986.95	9/11/2003	14.61	---	0.00	24.98	25.04	0.06	972.34
LS-38	986.95	9/18/2003	14.35	---	0.00	---	25.06	0.00	972.60
LS-38	986.95	9/25/2003	12.40	---	0.00	25	25.06	0.06	974.55
LS-43	981.17	9/2/2003	Water above top of inner casing		NM	NM	NM	NM	NA
LS-44	980.78	9/2/2003	7.45	---	0.00	---	27.88	0.00	973.33
LSSC-07	982.48	9/2/2003	8.98	---	0.00	24.98	25.08	0.10	973.50
LSSC-07	982.48	9/4/2003	7.51	---	0.00	24.96	25.08	0.12	974.97
LSSC-07	982.48	9/5/2003	6.71	---	0.00	24.97	25.08	0.11	975.77
LSSC-07	982.48	9/9/2003	9.34	---	0.00	24.95	25.08	0.13	973.14
LSSC-07	982.48	9/11/2003	9.69	---	0.00	25	25.08	0.08	972.79
LSSC-07	982.48	9/12/2003	9.78	---	0.00	---	25.08	0.00	972.70
LSSC-07	982.48	9/16/2003	9.56	---	0.00	24.88	25.08	0.20	972.92
LSSC-07	982.48	9/18/2003	9.54	---	0.00	24.98	25.08	0.10	972.94
LSSC-07	982.48	9/19/2003	9.56	---	0.00	25.06	25.08	0.02	972.92
LSSC-07	982.48	9/23/2003	9.46	---	0.00	24.94	25.08	0.14	973.02
LSSC-07	982.48	9/25/2003	7.24	---	0.00	25.01	25.08	0.07	975.24
LSSC-07	982.48	9/26/2003	8.18	---	0.00	25.05	25.08	0.03	974.30
LSSC-08I	983.13	9/2/2003	9.90	---	0.00	---	23.39	0.00	973.23
LSSC-08I	983.13	9/11/2003	11.20	---	0.00	23.35	23.39	0.04	971.93
LSSC-08I	983.13	9/18/2003	10.74	---	0.00	23.38	23.40	0.02	972.39
LSSC-08I	983.13	9/25/2003	7.83	---	0.00	23.39	23.40	0.01	975.30
LSSC-08S	983.11	9/2/2003	10.02	---	0.00	---	14.68	0.00	973.09
LSSC-16I	980.88	9/2/2003	7.31	---	0.00	28.48	28.53	0.05	973.57
LSSC-16I	980.88	9/11/2003	8.01	---	0.00	28.5	28.53	0.03	972.87
LSSC-16I	980.88	9/18/2003	7.81	---	0.00	28.46	28.53	0.07	973.07
LSSC-16I	980.88	9/25/2003	5.58	---	0.00	P	28.56	< 0.01	975.30
LSSC-18	987.32	9/2/2003	13.95	---	0.00	---	18.58	0.00	973.37
LSSC-18	987.32	9/11/2003	14.34	---	0.00	---	18.58	0.00	972.98

TABLE 21-12
ROUTINE WELL MONITORING
LYMAN STREET AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

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)
LSSC-18	987.32	9/18/2003	14.13	---	0.00	---	18.59	0.00	973.19
LSSC-18	987.32	9/25/2003	12.35	---	0.00	---	18.59	0.00	974.97
LSSC-32	980.68	9/2/2003	7.22	---	0.00	---	35.24	0.00	973.46
LSSC-33	980.49	9/2/2003	7.28	---	0.00	---	29.78	0.00	973.21
LSSC-34I	984.74	9/2/2003	11.55	---	0.00	28.29	28.50	0.21	973.19
LSSC-34I	984.74	9/11/2003	12.22	---	0.00	28.3	28.49	0.19	972.52
LSSC-34I	984.74	9/16/2003	11.89	---	0.00	28.24	28.49	0.25	972.85
LSSC-34I	984.74	9/25/2003	9.53	---	0.00	28.11	28.50	0.39	975.21
LSSC-34S	985.01	9/2/2003	11.83	---	0.00	---	17.03	0.00	973.18
LSSC-34S	985.01	9/11/2003	12.48	---	0.00	---	17.02	0.00	972.53
LSSC-34S	985.01	9/18/2003	12.16	---	0.00	---	17.02	0.00	972.85
LSSC-34S	985.01	9/25/2003	9.76	---	0.00	---	17.03	0.00	975.25
MW-6R	985.14	9/2/2003	10.50	---	0.00	---	13.93	0.00	974.64
RW-1	984.88	9/3/2003	11.78	P	< 0.01	P	18.58	< 0.01	973.10
RW-1	984.88	9/10/2003	11.92	P	< 0.01	P	18.58	< 0.01	972.96
RW-1	984.88	9/17/2003	12.19	P	< 0.01	P	18.58	< 0.01	972.69
RW-1	984.88	9/24/2003	11.14	P	< 0.01	P	18.58	< 0.01	973.74
RW-1 (R)	985.07	9/3/2003	15.30	P	< 0.01	---	20.67	0.00	969.77
RW-1 (R)	985.07	9/10/2003	16.38	P	< 0.01	---	20.67	0.00	968.69
RW-1 (R)	985.07	9/17/2003	15.72	P	< 0.01	---	20.67	0.00	969.35
RW-1 (R)	985.07	9/24/2003	15.64	P	< 0.01	---	20.67	0.00	969.43
RW-2	987.82	9/3/2003	14.40	---	0.00	---	23.82	0.00	973.42
RW-2	987.82	9/10/2003	16.50	---	0.00	---	23.82	0.00	971.32
RW-2	987.82	9/17/2003	16.11	---	0.00	---	23.82	0.00	971.71
RW-2	987.82	9/24/2003	12.75	---	0.00	---	23.82	0.00	975.07
RW-3	984.08	9/3/2003	17.05	16.70	0.35	---	NM	0.00	967.36
RW-3	984.08	9/10/2003	16.85	16.50	0.35	---	NM	0.00	967.56
RW-3	984.08	9/17/2003	16.50	16.20	0.30	---	NM	0.00	967.86
RW-3	984.08	9/24/2003	16.60	16.25	0.35	---	NM	0.00	967.81
Housatonic River (Lyman Street Bridge)									
BM-2A	986.32	9/2/2003	12.84	---	0.00	---	NM	0.00	973.48
BM-2A	986.32	9/11/2003	14.90	---	0.00	---	NM	0.00	971.42
BM-2A	986.32	9/18/2003	14.19	---	0.00	---	NM	0.00	972.13
BM-2A	986.32	9/25/2003	11.06	---	0.00	---	NM	0.00	975.26

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 or DNAPL is present at a thickness that is < 0.01 feet. The corresponding thickness is recorded as such.
6. 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 21-13
ACTIVE DNAPL RECOVERY SYSTEMS MONTHLY SUMMARY
NEWELL STREET AREA II
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

Recovery System	Date	Total Gallons Recovered
System 1	September 2002	17.0
	October 2002	9.0
	November 2002	11.0
	December 2002	10.6
	January 2003	9.0
	February 2003	9.0
	March 2003	27.0
	April 2003	19.0
	May 2003	28.0
	June 2003	27.0
	July 2003	28.0
	August 2003	53.0
	September 2003	26.0
System 2	September 2002	50.0
	October 2002	65.0
	November 2002	50.0
	December 2002	65.0
	January 2003	97.0
	February 2003	80.0
	March 2003	81.0
	April 2003	65.0
	May 2003	65.0
	June 2003	114.0
	July 2003	130.0
	August 2003	115.0
	September 2003	390.0
Total Automated DNAPL Removal for September 2003:		**416.0 Gallons**

NOTES
1. System 1 wells are NS-15, NS-30 and NS-32
2. System 2 wells are N2SC-01I, N2SC-02, N2SC-03I, and N2SC-14

TABLE 21-14
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

CONSENT DECREE MONTHLY STATUS REPORT
GROUNDWATER MANAGEMENT AREA 1 - NEWELL STREET AREA II
MEASUREMENT AND REMOVAL OF RECOVERABLE DNAPL
September 2003

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	September 2003 Removal (liters)
N2SC-14	9/4/2003	10.75	38.77	1.36	21.800	34.150
	9/5/2003	10.73	38.21	1.92	12.350	

Total DNAPL Removal for September 2003: 34.150 liters
9.011 gallons

NOTE:
1. ft BMP - feet Below Measuring Point

TABLE 21-15
ROUTINE WELL MONITORING
NEWELL STREET AREA II
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

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	9/2/2003	13.84	---	0.00	39.24	39.53	0.29	973.36
MW-1S	986.60	9/2/2003	13.32	---	0.00	24.89	25.25	0.36	973.28
N2SC-01I	NA	9/4/2003	10.61	---	0.00	38.22	41.58	3.36	NA
N2SC-01I	NA	9/5/2003	9.83	---	0.00	37.88	41.59	3.71	NA
N2SC-02I	NA	9/4/2003	11.82	---	0.00	---	40.42	0.00	NA
N2SC-02I	NA	9/25/2003	10.10	---	0.00	40.34	40.43	0.09	NA
N2SC-07	984.61	9/2/2003	11.42	---	0.00	---	38.14	0.00	973.19
N2SC-07	984.61	9/11/2003	12.12	---	0.00	38.07	38.14	0.07	972.49
N2SC-07	984.61	9/18/2003	11.90	---	0.00	---	38.16	0.00	972.71
N2SC-07	984.61	9/25/2003	9.25	---	0.00	---	38.16	0.00	975.36
N2SC-13I	984.75	9/2/2003	10.96	---	0.00	40.95	41.02	0.07	973.79
N2SC-14	NA	9/4/2003	10.75	---	0.00	38.77	40.13	1.36	NA
N2SC-14	NA	9/5/2003	10.73	---	0.00	38.21	40.13	1.92	NA
N2SC-16	985.62	9/2/2003	12.23	---	0.00	41.85	41.89	0.04	973.39
NS-10	984.59	9/2/2003	9.87	9.74	0.13	---	19.24	0.00	974.84
NS-10	984.59	9/11/2003	9.54	9.42	0.12	---	19.21	0.00	975.16
NS-10	984.59	9/18/2003	9.81	9.65	0.16	---	19.23	0.00	974.93
NS-10	984.59	9/25/2003	8.98	8.85	0.13	---	19.23	0.00	975.73
NS-16	984.46	9/2/2003	9.90	---	0.00	---	19.73	0.00	974.56
NS-16	984.46	9/11/2003	9.55	---	0.00	---	19.72	0.00	974.91
NS-16	984.46	9/18/2003	9.78	---	0.00	---	19.73	0.00	974.68
NS-16	984.46	9/25/2003	8.82	---	0.00	---	19.73	0.00	975.64
NS-31	986.05	9/2/2003	13.00	---	0.00	---	37.52	0.00	973.05
NS-35	982.99	9/2/2003	9.78	---	0.00	---	29.92	0.00	973.21
NS-36	985.20	9/2/2003	12.42	---	0.00	---	18.72	0.00	972.78
NS-37	986.20	9/2/2003	12.71	---	0.00	---	23.63	0.00	973.49

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. DNAPL recovery testing was performed at wells N2SC-01I, N2SC-02, and N2SC-14 in September 2003. The data listed above represents the initial measurements collected during each day of testing, whereas the DNAPL removal data contained in Table 21-14 represents the total amount of DNAPL removed on each date.

TABLE 21-16
ROUTINE WELL MONITORING
SILVER LAKE AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

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	9/3/2003	4.53	---	0.00	---	36.77	0.00	978.60
SLGW-01S	982.94	9/3/2003	6.91	---	0.00	---	16.08	0.00	976.03
SLGW-02D	985.10	9/3/2003	7.56	---	0.00	---	36.79	0.00	977.54
SLGW-02S	985.39	9/3/2003	8.17	---	0.00	---	16.61	0.00	977.22
SLGW-03D	979.14	9/3/2003	1.46	---	0.00	---	31.94	0.00	977.68
SLGW-03S	980.21	9/3/2003	4.11	---	0.00	---	14.5	0.00	976.10
SLGW-04D	983.51	9/3/2003	6.23	---	0.00	---	37.06	0.00	977.28
SLGW-04S	984.02	9/3/2003	8.00	---	0.00	---	16.51	0.00	976.02
SLGW-05D	979.30	9/3/2003	3.36	---	0.00	---	34.8	0.00	975.94
SLGW-05S	979.12	9/3/2003	3.15	---	0.00	---	11.51	0.00	975.97
SLGW-06D	981.63	9/3/2003	6.65	---	0.00	---	34.87	0.00	974.98
SLGW-06S	981.66	9/3/2003	5.46	---	0.00	---	13.59	0.00	976.20
Piezometers within Silver Lake									
SLPZ-01	981.50	9/3/2003	5.23	---	0.00	---	31.71	0.00	976.27
SLPZ-01	981.50	9/8/2003	4.86	---	0.00	---	31.74	0.00	976.64
SLPZ-02	982.10	9/3/2003	4.46	---	0.00	---	37.14	0.00	977.64
SLPZ-02	982.10	9/8/2003	4.34	---	0.00	---	37.15	0.00	977.76
SLPZ-03	981.60	9/3/2003	4.14	---	0.00	---	56.52	0.00	977.46
SLPZ-03	981.60	9/8/2003	3.98	---	0.00	---	56.67	0.00	977.62
SLPZ-04	977.60	9/3/2003	1.21	---	0.00	---	36.81	0.00	976.39
SLPZ-04	977.60	9/8/2003	0.70	---	0.00	---	36.82	0.00	976.90
SLPZ-05	981.40	9/3/2003	6.01	---	0.00	---	47.42	0.00	975.39
SLPZ-05	981.40	9/8/2003	5.58	---	0.00	---	47.45	0.00	975.82
SLPZ-06	980.80	9/3/2003	4.88	---	0.00	---	57.55	0.00	975.92
SLPZ-06	980.80	9/8/2003	4.57	---	0.00	---	56.87	0.00	976.23
SLPZ-07	979.60	9/3/2003	4.02	---	0.00	---	36.91	0.00	975.58
SLPZ-07	979.60	9/8/2003	3.56	---	0.00	---	36.92	0.00	976.04
SLPZ-08	981.20	9/3/2003	5.07	---	0.00	---	31.8	0.00	976.13
SLPZ-08	981.20	9/8/2003	4.81	---	0.00	---	31.82	0.00	976.39
SLPZ-09	981.20	9/3/2003	11.06	---	0.00	---	59.43	0.00	970.14
SLPZ-09	981.20	9/8/2003	9.55	---	0.00	---	63.15	0.00	971.65
SLPZ-10	981.40	9/3/2003	5.28		5.28	---	31.6	0.00	981.03
SLPZ-10	981.40	9/8/2003	4.93	---	0.00	---	31.62	0.00	976.47
SLPZ-10	981.40	9/22/2003	5.29	---	0.00	---	31.58	0.00	976.11
Silver Lake Surface Water Levels									
SLPZ-01	981.50	9/3/2003	5.44	---	0.00	---	12.74	0.00	976.06
SLPZ-01	981.50	9/8/2003	5.59	---	0.00	---	NM	0.00	975.91
SLPZ-02	982.10	9/3/2003	6.10	---	0.00	---	16.64	0.00	976.00
SLPZ-02	982.10	9/8/2003	6.30	---	0.00	---	NM	0.00	975.80
SLPZ-03	981.60	9/3/2003	5.59	---	0.00	---	31.1	0.00	976.01
SLPZ-03	981.60	9/8/2003	5.76	---	0.00	---	NM	0.00	975.84
SLPZ-04	977.60	9/3/2003	1.66	---	0.00	---	17.12	0.00	975.94
SLPZ-04	977.60	9/8/2003	1.73	---	0.00	---	NM	0.00	975.87
SLPZ-05	981.40	9/3/2003	5.42	---	0.00	---	26.1	0.00	975.98
SLPZ-05	981.40	9/8/2003	5.58	---	0.00	---	NM	0.00	975.82
SLPZ-06	980.80	9/3/2003	4.79	---	0.00	---	28.15	0.00	976.01
SLPZ-06	980.80	9/8/2003	4.95	---	0.00	---	NM	0.00	975.85
SLPZ-07	979.60	9/3/2003	3.60	---	0.00	---	16.74	0.00	976.00
SLPZ-07	979.60	9/8/2003	3.56	---	0.00	---	NM	0.00	976.04
SLPZ-08	981.20	9/3/2003	5.25	---	0.00	---	14.22	0.00	975.95

TABLE 21-16
ROUTINE WELL MONITORING
SILVER LAKE AREA
GROUNDWATER MANAGEMENT AREA 1

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

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)
SLPZ-08	981.20	9/8/2003	5.40	---	0.00	---	NM	0.00	975.80
SLPZ-09	981.20	9/3/2003	5.25	---	0.00	---	33.28	0.00	975.95
SLPZ-09	981.20	9/8/2003	5.41	---	0.00	---	NM	0.00	975.79
SLPZ-10	981.40	9/3/2003	5.26	---	0.00	---	11.37	0.00	976.14
SLPZ-10	981.40	9/8/2003	5.44	---	0.00	---	11.37	0.00	975.96
SLPZ-10	981.40	9/22/2003	5.94	---	0.00	---	11.28	0.00	975.46
Silver Lake Gauge	NA	9/2/2003	0.84	---	---	---	---	---	NA
Silver Lake Gauge	NA	9/11/2003	0.52	---	---	---	---	---	NA
Silver Lake Gauge	NA	9/18/2003	0.60	---	---	---	---	---	NA
Silver Lake Gauge	NA	9/25/2003	0.90	---	---	---	---	---	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. 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.
6. Silver Lake surface water readings are collected outside of each piezometer from the same measuring point used for groundwater elevation measurements (collected within the piezometers). The Total Depth readings listed refer to the surface water depth as measured from the reference point.
7. 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)
SEPTEMBER 2003

*** 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 quarterly groundwater monitoring and semi-annual baseline groundwater quality sampling for fall 2003.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA conditional approval of GE's July 30, 2003 Baseline Groundwater Quality Interim Report for Spring 2003 (September 23, 2003).

ITEM 23
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 2 (GMA 3)
(GECD330)
SEPTEMBER 2003

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

a. Activities Undertaken/Completed

- Conducted monthly monitoring and NAPL removal in the vicinity of Buildings 51 and 59. Approximately 18.95 liters (5.0 gallons) of LNAPL were removed by the automated skimmer in well 51-21. In addition, approximately 5.79 liters (1.53 gallons) of LNAPL were removed manually during routine monitoring of wells (see Table 23-1).

- Received executed access agreements with U.S. Navy and CSX Transportation and continued efforts to obtain access to the Massachusetts Department of Higher Education (Berkshire Community College) property located within this GMA, as described in Item 7a above.

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 NAPL monitoring and recovery activities.

- Continue efforts to obtain access to Massachusetts Department of Higher Education (Berkshire Community College) property (see Item 7a above).

- Initiate plans to install wells GMA3-8 and GMA3-5.

- Conduct semi-annual NAPL bailing and groundwater elevation/NAPL monitoring event for fall 2003.

- Collect groundwater sample from well 78B-R (see Item 23e below).

ITEM 23
(cont'd)
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 2 (GMA 3)
(GECD330)
SEPTEMBER 2003

e. General Progress/Unresolved Issues/Potential Schedule Impacts

Access to Massachusetts Department of Higher Education (Berkshire Community College) property within this GMA has not been obtained (see Item 7a above). As a result, the upcoming fall 2003 groundwater elevation monitoring activities will be limited to properties at which GE has access, and groundwater quality sampling activities at this GMA (with the exception of VOC sampling at well 78B-R) will be postponed.

f. Proposed/Approved Work Plan Modifications

None

TABLE 23-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
GMA3 Well Purgewater	78B-R-C0080-Water-1	9/17/03	Water	CT&E	SVOC, RCRA Metals	9/25/03
GMA3 Groundwater Purge Drum Sampling	GMA3-3-7-9-39B-B-B0086-Water-1	9/17/03	Water	CT&E	PCB, VOC, SVOC, RCRA Metals	9/25/03

TABLE 23-2
WATER SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

GROUNDWATER PURGE DRUM SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts permillion, ppm)

Parameter / Sample ID: / Date Collected:	78B-R-C0080-WATER-1 09/17/03	GMA3-3-7-9-39B-B-B0086-WATER-1 09/17/03
Volatile Organics		
Benzene	NA	0.14
Chlorobenzene	NA	2.8
PCBs-Unfiltered		
Aroclor-1254	NA	0.00033
Aroclor-1260	NA	0.00028
Total PCBs	NA	0.00061
Semivolatile Organics		
1,2-Dichlorobenzene	ND(0.010)	0.044
1,4-Dichlorobenzene	0.0039 J	0.096
2-Chlorophenol	ND(0.010)	0.022
2-Methylnaphthalene	ND(0.010)	0.056
Acenaphthene	ND(0.010)	0.030
Anthracene	ND(0.010)	0.0027 J
Dibenzofuran	ND(0.010)	0.019
Fluorene	ND(0.010)	0.016
Naphthalene	ND(0.010)	0.077
Phenanthrene	ND(0.010)	0.014
Phenol	ND(0.010)	0.0066 J
Inorganics-Unfiltered		
Arsenic	ND(0.00500)	0.0490
Barium	0.270	0.340
Cadmium	ND(0.00100)	0.000760 B
Chromium	0.00590	0.0710
Lead	ND(0.00500)	0.120
Mercury	ND(0.000200)	0.00110
Silver	0.00190 B	0.00170 B

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles and metals.
2. NA - Not Analyzed .
3. ND - Analyte was not detected. The number in parentheses 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).

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

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

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	September 2003 Removal (liters)
51-05	9/4/2003	10.44	10.12	0.32	0.197	0.197
51-08	9/4/2003	12.10	10.68	1.42	0.876	3.461
	9/9/2003	12.13	10.66	1.47	0.907	
	9/16/2003	12.21	10.85	1.36	0.839	
	9/23/2003	12.28	10.92	1.36	0.839	
51-17	9/4/2003	11.10	9.53	1.57	0.969	0.969
51-19	9/4/2003	10.75	10.15	0.60	0.370	0.370
51-21	9/24/2003	15.42	P	< 0.01	18.950	18.950
59-03R	9/4/2003	12.16	11.24	0.92	0.568	0.568
UB-PZ-3	9/4/2003	12.25	11.89	0.36	0.222	0.222

Total Automated LNAPL Removal at well 51-21 for September 2003: 18.950 liters
5.00 Gallons

Total Manual LNAPL Removal at all other wells for September 2003: 5.787 liters
1.53 Gallons

Total LNAPL Removed for September 2003: 24.737 liters
6.53 Gallons

NOTE:

1. ft BMP - feet Below Measuring Point

TABLE 23-4
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 3

CONSENT DECREE MONTHLY STATUS REPORT
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
September 2003

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)
51-05	996.44	9/4/2003	10.44	10.12	0.32	---	12.70	0.00	986.30
51-06	997.36	9/4/2003	10.76	---	0.00	---	14.67	0.00	986.60
51-07	997.08	9/4/2003	10.69	---	0.00	---	11.22	0.00	986.39
51-08	997.08	9/4/2003	12.10	10.68	1.42	---	14.68	0.00	986.30
51-08	997.08	9/9/2003	12.13	10.66	1.47	---	14.68	0.00	986.32
51-08	997.08	9/16/2003	12.21	10.85	1.36	---	14.68	0.00	986.13
51-08	997.08	9/23/2003	12.28	10.92	1.36	---	14.68	0.00	986.06
51-09	997.70	9/4/2003	10.01	---	0.00	---	12.12	0.00	987.69
51-14	996.77	9/4/2003	10.57	---	0.00	---	15.01	0.00	986.20
51-15	996.43	9/4/2003	10.20	10.15	0.05	---	14.45	0.00	986.28
51-16R	996.39	9/4/2003	10.08	---	0.00	---	14.53	0.00	986.31
51-17	996.43	9/4/2003	11.10	9.53	1.57	---	14.50	0.00	986.79
51-18	997.12	9/4/2003	10.80	---	0.00	---	12.56	0.00	986.32
51-19	996.43	9/4/2003	10.75	10.15	0.60	---	14.01	0.00	986.24
51-21	1,001.49	9/3/2003	15.31	P	< 0.01	---	NM	0.00	986.18
51-21	1,001.49	9/10/2003	15.22	P	< 0.01	---	NM	0.00	986.27
51-21	1,001.49	9/17/2003	15.46	15.44	0.02	---	NM	0.00	986.05
51-21	1,001.49	9/24/2003	15.42	P	< 0.01	---	NM	0.00	986.07
51-21	1,001.49	10/1/2003	15.01	P	< 0.01	---	NM	0.00	986.48
59-01	997.52	9/4/2003	11.14	---	0.00	---	11.37	0.00	986.38
59-03R	997.64	9/4/2003	12.16	11.24	0.92	---	17.04	0.00	986.34
59-07	997.96	9/4/2003	11.53	11.52	0.01	---	23.56	0.00	986.44
UB-MW-10	995.99	9/4/2003	9.65	---	0.00	---	15.85	0.00	986.34
UB-PZ-3	998.15	9/4/2003	12.25	11.89	0.36	---	13.45	0.00	986.23

NOTES:

1. ft BMP - feet Below Measuring Point
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity
3. NM indicates information not measured.
4. P indicates that LNAPL or DNAPL is present at a thickness that is < 0.01 feet. The corresponding thickness is recorded as such.
5. Certain GMA 3 wells were developed during February 2002. Total depth measurements taken after development are provided for comparison to pre-development data.
6. For the Unkamet Brook Staff Gauge, a reading of 0.00 feet corresponds to the listed measuring point elevation. The "Depth to Water" values shown above refer to feet above the datum, rather than feet below the measuring point.

ITEM 24
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 3 (GMA 4)
(GECD340)
SEPTEMBER 2003

*** 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 quarterly groundwater elevation/NAPL monitoring event for fall 2003.
- Conduct baseline groundwater quality sampling event for fall 2003.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA approval of GE's August 29, 2003 Baseline Groundwater Quality Interim Report for Spring 2003 (September 24, 2003).

ITEM 25
GROUNDWATER MANAGEMENT AREAS
FORMER OXBOWS A & C (GMA 5)
(GECD350)
SEPTEMBER 2003

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

a. Activities Undertaken/Completed

Conducted groundwater purge drum sampling, as identified in Table 25-1.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

Conduct quarterly groundwater monitoring and semi-annual baseline groundwater quality sampling for fall 2003.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA conditional approval of GE's July 2003 Baseline Groundwater Quality Interim Report for Spring 2003 (September 23, 2003).

TABLE 25-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

GROUNDWATER MANAGEMENT AREA 5
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
GMA5 Goundwater Purge Drum Sampling	GMA5-DaltonAve-E0072-Water-1	9/17/03	Water	CT&E	VOC, SVOC, RCRA Metals	9/25/03

TABLE 25-2
WATER SAMPLE DATA RECEIVED DURING SEPTEMBER 2003

WELL PURGEWATER
GROUNDWATER MANAGEMENT AREA 5
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts permillion, ppm)

Parameter / Sample ID: / Date Collected:	GMA5-DALTONAVE-E0072-WATER-1 09/17/03
Volatile Organics	
Chlorobenzene	0.00056 J
Tetrachloroethene	0.00077 J
Trichloroethene	0.00054 J
Xylenes (total)	0.0019 J
Semivolatile Organics	
None Detected	–
Inorganics-Unfiltered	
Arsenic	0.00480 B
Barium	0.130
Chromium	0.00150 B
Silver	0.00110 B

Notes:
1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to CT&E Environmental Services, Inc. for analysis of volatiles, semivolatiles and metals.
2. Only detected constituents are summarized.
3. – 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
B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).

Attachment A

NPDES Sampling Records and Results
September 2003

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

TABLE A-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

NPDES PERMIT MONITORING
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
NPDES Sampling	001-A5061	9/1/03	Water	CT&E	Oil & Grease	9/10/03
NPDES Sampling	001-A5063	9/1/03	Water	CT&E	PCB	9/10/03
NPDES Sampling	001-A5070	9/2/03	Water	CT&E	TSS	9/10/03
NPDES Sampling	004-A5071	9/2/03	Water	CT&E	Oil & Grease	9/10/03
NPDES Sampling	004-A5073	9/2/03	Water	CT&E	PCB	9/10/03
NPDES Sampling	005-A5057/A5058	8/26/03	Water	CT&E	PCB	9/3/03
NPDES Sampling	005-A5076/A5077	9/2/03	Water	CT&E	PCB, TSS, BOD	9/10/03
NPDES Sampling	005-A5087/A5088	9/9/03	Water	CT&E	PCB	9/16/03
NPDES Sampling	005-A5101/A5104	9/15/03	Water	CT&E	PCB	9/22/03
NPDES Sampling	005-A5128/A5129	9/23/03	Water	CT&E	PCB	9/30/03
NPDES Sampling	005-A5141/A5142	9/30/03	Water	CT&E	PCB	
NPDES Sampling	09A-A5059	8/26/03	Water	CT&E	TSS, BOD	9/3/03
NPDES Sampling	09A-A5078	9/2/03	Water	CT&E	TSS, BOD	9/10/03
NPDES Sampling	09A-A5089	9/9/03	Water	CT&E	TSS, BOD	9/16/03
NPDES Sampling	09A-A5105	9/15/03	Water	CT&E	TSS, BOD	9/22/03
NPDES Sampling	09A-A5130	9/23/03	Water	CT&E	TSS, BOD	9/30/03
NPDES Sampling	09A-A5143	9/30/03	Water	CT&E	TSS, BOD	
NPDES Sampling	09B-A5060	8/26/03	Water	CT&E	TSS, BOD	9/3/03
NPDES Sampling	09B-A5079	9/2/03	Water	CT&E	TSS, BOD	9/10/03
NPDES Sampling	09B-A5090	9/9/03	Water	CT&E	TSS, BOD	9/16/03
NPDES Sampling	09B-A5106	9/15/03	Water	CT&E	TSS, BOD	9/22/03
NPDES Sampling	09B-A5131	9/23/03	Water	CT&E	TSS, BOD	9/30/03
NPDES Sampling	09B-A5144	9/30/03	Water	CT&E	TSS, BOD	
NPDES Sampling	09C-A5054	8/25/03	Water	CT&E	Oil & Grease	9/3/03
NPDES Sampling	09C-A5068	9/1/03	Water	CT&E	Oil & Grease	9/10/03
NPDES Sampling	09C-A5084	9/8/03	Water	CT&E	Oil & Grease	9/16/03
NPDES Sampling	09C-A5107	9/15/03	Water	CT&E	Oil & Grease	9/22/03
NPDES Sampling	09C-A5123	9/22/03	Water	CT&E	Oil & Grease	9/30/03
NPDES Sampling	09C-A5136	9/29/03	Water	CT&E	Oil & Grease	
NPDES Sampling	64G-A5052	8/25/03	Water	CT&E	Oil & Grease	9/3/03
NPDES Sampling	64G-A5066	9/1/03	Water	CT&E	Oil & Grease	9/10/03
NPDES Sampling	64G-A5082	9/8/03	Water	CT&E	Oil & Grease	9/16/03
NPDES Sampling	64G-A5102	9/15/03	Water	CT&E	Oil & Grease	9/22/03
NPDES Sampling	64G-A5121	9/22/03	Water	CT&E	Oil & Grease	9/30/03
NPDES Sampling	64G-A5134	9/29/03	Water	CT&E	Oil & Grease	
NPDES Sampling	64T-A5050	8/25/03	Water	CT&E	Oil & Grease	9/3/03
NPDES Sampling	64T-A5064	9/1/03	Water	CT&E	Oil & Grease	9/10/03
NPDES Sampling	64T-A5080	9/8/03	Water	CT&E	Oil & Grease	9/16/03
NPDES Sampling	64T-A5099	9/15/03	Water	CT&E	Oil & Grease	9/22/03

TABLE A-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING SEPTEMBER 2003

NPDES PERMIT MONITORING
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
NPDES Sampling	64T-A5119	9/22/03	Water	CT&E	Oil & Grease	9/30/03
NPDES Sampling	64T-A5132	9/29/03	Water	CT&E	Oil & Grease	
NPDES Sampling	A5010C	8/11/03	Water	CT&E	Chronic Toxicity Test	9/2/03
NPDES Sampling	A5011R	8/11/03	Water	CT&E	Chronic Toxicity Test	9/2/03
NPDES Sampling	A5012C	8/13/03	Water	CT&E	Chronic Toxicity Test	9/2/03
NPDES Sampling	A5013R	8/13/03	Water	CT&E	Chronic Toxicity Test	9/2/03
NPDES Sampling	A5014C	8/15/03	Water	CT&E	Chronic Toxicity Test	9/2/03
NPDES Sampling	A5015R	8/15/03	Water	CT&E	Chronic Toxicity Test	9/2/03
NPDES Sampling	A5091R	9/15/03	Water	CT&E	Chronic Toxicity Test	9/29/03
NPDES Sampling	A5091RCN	9/15/03	Water	CT&E	CN	9/22/03
NPDES Sampling	A5091RTM	9/15/03	Water	CT&E	Metals (10)	9/22/03
NPDES Sampling	A5092C	9/15/03	Water	CT&E	Chronic Toxicity Test	9/29/03
NPDES Sampling	A5092CCN	9/15/03	Water	CT&E	CN	9/22/03
NPDES Sampling	A5092CDM	9/15/03	Water	CT&E	Filtered Metals (8)	9/22/03
NPDES Sampling	A5092CTM	9/15/03	Water	CT&E	Metals (10)	9/22/03
NPDES Sampling	A5093R	9/17/03	Water	CT&E	Acute & Chronic Toxicity Test	9/28/03
NPDES Sampling	A5093RCN	9/17/03	Water	CT&E	CN	9/24/03
NPDES Sampling	A5093RTM	9/17/03	Water	CT&E	Metals (10)	9/24/03
NPDES Sampling	A5094C	9/17/03	Water	CT&E	Acute & Chronic Toxicity Test	9/28/03
NPDES Sampling	A5094CCN	9/17/03	Water	CT&E	CN	9/24/03
NPDES Sampling	A5094CDM	9/17/03	Water	CT&E	Filtered Metals (8)	9/24/03
NPDES Sampling	A5094CTM	9/17/03	Water	CT&E	Metals (10)	9/24/03
NPDES Sampling	A5095R	9/19/03	Water	CT&E	Chronic Toxicity Test	9/29/03
NPDES Sampling	A5095RCN	9/19/03	Water	CT&E	CN	9/30/03
NPDES Sampling	A5095RTM	9/19/03	Water	CT&E	Metals (10)	9/30/03
NPDES Sampling	A5096C	9/19/03	Water	CT&E	Chronic Toxicity Test	9/29/03
NPDES Sampling	A5096CCN	9/19/03	Water	CT&E	CN	9/30/03
NPDES Sampling	A5096CDM	9/19/03	Water	CT&E	Filtered Metals (8)	9/30/03
NPDES Sampling	A5096CTM	9/19/03	Water	CT&E	Metals (10)	9/30/03
NPDES Sampling	AUG03WK5	8/26/03	Water	CT&E	Cu, Pb, Zn	9/3/03
NPDES Sampling	OCT03WK1	9/30/03	Water	CT&E	Cu, Pb, Zn	
NPDES Sampling	SEP03WK1	9/2/03	Water	CT&E	Cu, Pb, Zn	9/10/03
NPDES Sampling	SEP03WK2	9/9/03	Water	CT&E	Cu, Pb, Zn	9/16/03
NPDES Sampling	SEP03WK4	9/23/03	Water	CT&E	Cu, Pb, Zn	9/30/03

TABLE A-2
DATA RECEIVED DURING SEPTEMBER 2003

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

Parameter / Sample ID: / Date Collected:	001-A5061 09/01/03	001-A5063 09/01/03	001-A5070 09/02/03	004-A5071 09/02/03	004-A5073 09/02/03	005-A5057/A5058 08/26/03	005-A5076/A5077 09/02/03
PCBs-Unfiltered							
Aroclor-1254	NA	0.00065	NA	NA	0.00019	ND(0.000065)	ND(0.000065)
Aroclor-1260	NA	ND(0.000065)	NA	NA	0.00017	ND(0.000065)	0.00010
Total PCBs	NA	0.00065	NA	NA	0.00036	ND(0.000065)	0.00010
Inorganics-Unfiltered							
Aluminum	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered							
Aluminum	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA
Conventionals							
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	ND(2.0)
Oil & Grease	ND(5.0)	NA	NA	2.4 B	NA	NA	NA
Total Suspended Solids	NA	NA	8.00	NA	NA	NA	ND(5.00)

TABLE A-2
DATA RECEIVED DURING SEPTEMBER 2003

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

Parameter / Sample ID: / Date Collected:	005-A5087/A5088 09/09/03	005-A5101/A5104 09/15/03	005-A5128/A5129 09/23/03	09A-A5059 08/26/03	09A-A5078 09/02/03	09A-A5089 09/09/03	09A-A5105 09/15/03
PCBs-Unfiltered							
Aroclor-1254	ND(0.000065)	0.000095	0.000047 J	NA	NA	NA	NA
Aroclor-1260	ND(0.000065)	0.000086	ND(0.000065)	NA	NA	NA	NA
Total PCBs	ND(0.000065)	0.000181	0.000047 J	NA	NA	NA	NA
Inorganics-Unfiltered							
Aluminum	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered							
Aluminum	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA
Conventionals							
Biological Oxygen Demand (5-day)	NA	NA	NA	ND(2.0)	2.2	ND(2.0)	7.8
Oil & Grease	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	NA	13.0	13.0	9.00	13.0

TABLE A-2
DATA RECEIVED DURING SEPTEMBER 2003

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

Parameter / Sample ID: / Date Collected:	09A-A5130 09/23/03	09B-A5060 08/26/03	09B-A5079 09/02/03	09B-A5090 09/09/03	09B-A5106 09/15/03	09B-A5131 09/23/03	09C-A5054 08/25/03	09C-A5068 09/01/03	09C-A5084 09/08/03
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
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)	ND(2.0)	ND(2.0)	2.8	ND(2.0)	ND(2.0)	ND(2.0)	NA	NA	NA
Oil & Grease	NA	NA	NA	NA	NA	NA	5.6	ND(5.0)	ND(5.0)
Total Suspended Solids	9.00	12.0	10.0	6.00	6.00	11.0	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING SEPTEMBER 2003

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

Parameter / Sample ID: / Date Collected:	09C-A5107 09/15/03	09C-A5123 09/22/03	64G-A5052 08/25/03	64G-A5066 09/01/03	64G-A5082 09/08/03	64G-A5102 09/15/03	64G-A5121 09/22/03	64T-A5050 08/25/03	64T-A5064 09/01/03
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
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	ND(5.0)	ND(5.0)	4.6 B	ND(5.0)	ND(5.0)	2.0 B	ND(5.0)	4.1 B	ND(5.0)
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING SEPTEMBER 2003

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

Parameter / Sample ID: / Date Collected:	64T-A5080 09/08/03	64T-A5099 09/15/03	64T-A5119 09/22/03	A5091RCN 09/15/03	A5091RTM 09/15/03	A5092CCN 09/15/03	A5092CDM 09/15/03	A5092CTM 09/15/03
PCBs-Unfiltered								
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered								
Aluminum	NA	NA	NA	NA	0.0690 B	NA	NA	0.170
Cadmium	NA	NA	NA	NA	ND(0.00100)	NA	NA	ND(0.00100)
Calcium	NA	NA	NA	NA	23.0	NA	NA	30.0
Chromium	NA	NA	NA	NA	ND(0.00500)	NA	NA	ND(0.00500)
Copper	NA	NA	NA	NA	0.00250 B	NA	NA	0.0140
Cyanide	NA	NA	NA	ND(0.0200)	NA	0.0140 B	NA	NA
Lead	NA	NA	NA	NA	ND(0.00500)	NA	NA	ND(0.00500)
Magnesium	NA	NA	NA	NA	7.90	NA	NA	12.0
Nickel	NA	NA	NA	NA	ND(0.00500)	NA	NA	ND(0.00500)
Silver	NA	NA	NA	NA	0.00100 B	NA	NA	ND(0.00500)
Zinc	NA	NA	NA	NA	0.0190 B	NA	NA	0.0350
Inorganics-Filtered								
Aluminum	NA	NA	NA	NA	NA	NA	0.0560 B	NA
Cadmium	NA	NA	NA	NA	NA	NA	ND(0.00100)	NA
Chromium	NA	NA	NA	NA	NA	NA	ND(0.00500)	NA
Copper	NA	NA	NA	NA	NA	NA	0.00820	NA
Lead	NA	NA	NA	NA	NA	NA	ND(0.00500)	NA
Nickel	NA	NA	NA	NA	NA	NA	ND(0.00500)	NA
Silver	NA	NA	NA	NA	NA	NA	ND(0.00500)	NA
Zinc	NA	NA	NA	NA	NA	NA	0.0320	NA
Conventionals								
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	ND(5.0)	3.2 B	ND(5.0)	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING SEPTEMBER 2003

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

Parameter / Sample ID: / Date Collected:	A5093RCN 09/17/03	A5093RTM 09/17/03	A5094CCN 09/17/03	A5094CDM 09/17/03	A5094CTM 09/17/03	A5095RCN 09/19/03	A5095RTM 09/19/03	A5096CCN 09/19/03
PCBs-Unfiltered								
Aroclor-1254	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered								
Aluminum	NA	ND(0.100)	NA	NA	ND(0.100)	NA	0.0930 B	NA
Cadmium	NA	0.00120	NA	NA	0.00120	NA	0.00130	NA
Calcium	NA	18.0	NA	NA	13.0	NA	18.0	NA
Chromium	NA	ND(0.00500)	NA	NA	0.00150 B	NA	ND(0.00500)	NA
Copper	NA	0.00270 B	NA	NA	0.00690	NA	0.00240 B	NA
Cyanide	ND(0.0200)	NA	0.00930 B	NA	NA	ND(0.0200)	NA	0.0420
Lead	NA	0.00360 B	NA	NA	0.00640	NA	ND(0.00500)	NA
Magnesium	NA	6.00	NA	NA	5.30	NA	6.20	NA
Nickel	NA	0.00170 B	NA	NA	0.00220 B	NA	0.00220 B	NA
Silver	NA	0.00220 B	NA	NA	ND(0.00500)	NA	0.00130 B	NA
Zinc	NA	0.00830 B	NA	NA	0.0320	NA	0.00710 B	NA
Inorganics-Filtered								
Aluminum	NA	NA	NA	ND(0.100)	NA	NA	NA	NA
Cadmium	NA	NA	NA	ND(0.00100)	NA	NA	NA	NA
Chromium	NA	NA	NA	ND(0.00500)	NA	NA	NA	NA
Copper	NA	NA	NA	0.00270 B	NA	NA	NA	NA
Lead	NA	NA	NA	ND(0.00500)	NA	NA	NA	NA
Nickel	NA	NA	NA	ND(0.00500)	NA	NA	NA	NA
Silver	NA	NA	NA	0.00200 B	NA	NA	NA	NA
Zinc	NA	NA	NA	0.0340	NA	NA	NA	NA
Conventionals								
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	NA	NA	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING SEPTEMBER 2003

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

Parameter / Sample ID: / Date Collected:	A5096CDM 09/19/03	A5096CTM 09/19/03	AUG03WK5 08/26/03	SEP03WK1 09/02/03	SEP03WK2 09/09/03	SEP03WK4 09/23/03
PCBs-Unfiltered						
Aroclor-1254	NA	NA	NA	NA	NA	NA
Aroclor-1260	NA	NA	NA	NA	NA	NA
Total PCBs	NA	NA	NA	NA	NA	NA
Inorganics-Unfiltered						
Aluminum	NA	0.0780 B	NA	NA	NA	NA
Cadmium	NA	0.000920 B	NA	NA	NA	NA
Calcium	NA	68.0	NA	NA	NA	NA
Chromium	NA	ND(0.00500)	NA	NA	NA	NA
Copper	NA	0.00630	0.00500 B	0.0230	0.00820	0.00770
Cyanide	NA	NA	NA	NA	NA	NA
Lead	NA	ND(0.00500)	ND(0.00500)	0.00650	ND(0.00500)	ND(0.00500)
Magnesium	NA	27.0	NA	NA	NA	NA
Nickel	NA	0.00230 B	NA	NA	NA	NA
Silver	NA	ND(0.00500)	NA	NA	NA	NA
Zinc	NA	0.0110 B	0.0250	0.0540	0.0270	0.0280
Inorganics-Filtered						
Aluminum	0.0720 B	NA	NA	NA	NA	NA
Cadmium	ND(0.00100)	NA	NA	NA	NA	NA
Chromium	ND(0.00500)	NA	NA	NA	NA	NA
Copper	0.00380 B	NA	NA	NA	NA	NA
Lead	ND(0.00500)	NA	NA	NA	NA	NA
Nickel	0.00150 B	NA	NA	NA	NA	NA
Silver	ND(0.00500)	NA	NA	NA	NA	NA
Zinc	0.0200 B	NA	NA	NA	NA	NA
Conventionals						
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA
Oil & Grease	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA

Notes:
1. Samples were collected by General Electric Company, and were submitted to CT&E Environmental Services, Inc. for analysis of PCBs, cyanide, TSS, BOD, oil & grease, and metals (filtered and unfiltered).
2. NA - Not Analyzed .
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. With the exception of inorganics and conventional parameters only those constituents detected in one or more samples are summarized.

Data Qualifiers:

Organics and Conventional Parameters
B - Analyte was also detected in the associated method blank.
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 practical quantitation limit (PQL).

Attachment B

NPDES Discharge Monitoring Reports
August 2003

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

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: WILLIAM FESSLER, MGR, EHS&F

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

OMB No. 2040-0004

MA0003891 — PERMIT NUMBER
001 1 — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	08	01	TO	03	08	31

MAJOR
(SUBR W)
F - FINAL
DISCHARGE TO SILVER LAKE

*** 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	******	******		7.2	******	8.1	(12 SU	0	01/07	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANDOM
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	8.6	8.6	(26) LBS/DY	******	******	******		0	01/30	CP
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	138 MO AVG	628 DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
OIL & GREASE	SAMPLE MEASUREMENT	******	0.6	(26) LBS/DY	******	******	2.0	(19 MG/L	0	01/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	817 DAILY MX	LBS/DY			DAILY MX	MG/L		ONCE/ MONTH	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	0.0002	(26) LBS/DY	******	******	******		0	01/30	GR
39516 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.124	0.546	(03) MGD	******	******	******		0	99/99	RC
50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	1.10 MO AVG	2.55 DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	RECORDR
	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.	Michael T. Carroll	413 494-3500	2003	9	23
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 THE DISCHARGE FROM OIL/WATER SEPERATOR.

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: WILLIAM FESSLER, MGR, EHS&F

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

OMB No. 2040-0004

MA0003891 — PERMIT NUMBER
004 1 — DISCHARGE NUMBER

MONITORING PERIOD
FROM YEAR 03 MO 08 DAY 01 TO YEAR 03 MO 08 DAY 31

MAJOR
(SUBR W)
F - FINAL
DISCHARGE TO SILVER LAKE

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

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	******	******		NODI [F]	******	NODI [F]	(12			
00400 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANGC
OIL & GREASE	SAMPLE MEASUREMENT	******	NODI [F]	(26)	******	******	NODI [F]	(19)			
00556 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	261 DAILY MX	LBS/DY	******	******	15 DAILY MX	MG/L		ONCE/ MONTH	GRAB
POLYCHLORINATED BIPHENYLS (PCBS)	SAMPLE MEASUREMENT	******	NODI [9]	(26)	******	******	******				
39516 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.0001	0.001	(03)	******	******	******		0	99/99	RC
50050 P 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	0.38 MO AVG	2.09 DAILY MX	MGD	******	******	******	**** ****		ONCE/ MONTH	RCORDR
	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.

Michael T. Carroll
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 413 NUMBER 494-3500
DATE: YEAR 2003 MO 9 DAY 23

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

SAMPLE IN PLANT MANHOLE STATION ON 004.

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

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

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: WILLIAM FESSLER, MGR, EHS&F

MA0003891	005 1
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	08	01	TO	03	08	31

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

*** 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	[illegible]	[illegible]	[illegible]	**** ****	[illegible]	ONCE/ MONTH	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	7.9	7.9	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	188 MO AVG	270 DAILY MX	LBS/DY	[illegible]	[illegible]	[illegible]	**** ****	[illegible]	ONCE/ MONTH	COMPOS
OIL & GREASE 00556 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	12.4	(26) LBS/DY	******	******	4.3	(19) MG/L	0	01/07	GR
	PERMIT REQUIREMENT	******	135 DAILY MX	LBS/DY	[illegible]	[illegible]	[illegible]	MG/L	[illegible]	WEEKLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS) 39516 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.0002	0.0005	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	0.01 MO AVG	0.03 DAILY MX	LBS/DY	[illegible]	[illegible]	[illegible]	**** ****	[illegible]	WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 T 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.206	0.414	(03) MGD	******	******	******		0	99/99	RC
	PERMIT REQUIREMENT	2.09 MO AVG	2.07 DAILY MX	MGD	[illegible]	[illegible]	[illegible]	**** ****	[illegible]	CONTINUOUS	RCORDR
	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.

Michael T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
413	494-3500	2003	9	23
AREA CODE	NUMBER	YEAR	MO	DAY

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

SEE PAGE 8 + 9 OF PERMIT FOR SAMPLING REQUIREMENTS. SEE DMR(S) 064G + 064T FOR FURTHER PARAMETERS.

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

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

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

OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	064 G

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	08	01	TO	03	08	31

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	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PH	SAMPLE MEASUREMENT	******	******		7.4	******	7.7	(12 SU	0	99/99	RCDR
00400 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	[illegible] MINIMUM		[illegible] MAXIMUM	SU		WEEKLY	RAND-C
BASE NEUTRALS & ACID (METHOD 625), TOTAL	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	(19			
76030 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****		REPORT MO AVG	REPORT DAILY MX	MG/L		QTRLY	GRAB
VOLATILE COMPOUNDS, (GC/MS)	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	(19			
78732 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****		REPORT MO AVG	REPORT DAILY MX	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

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.

Michael T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	TELEPHONE NUMBER	DATE YEAR	MO	DAY
413	494-3500	2003	9	23

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

SEE COMMENTS FOR 0051. SEE PAGE 8 + 9 OF PERMIT.

OMB No. 2040-0004

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

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: WILLIAM FESSLER, MGR, EHS&F

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	064 T

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	08	01	TO	03	08	31

MAJOR
(SUBR W)
F - FINAL
WASTEWATER 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	******	******		7.0	******	8.5	(12) SU	0	99/99	RCDR
00400 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANDC
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
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.

Michael T. Carroll
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	TELEPHONE NUMBER	DATE YEAR	MO	DAY
413	494-3500	2003	9	23

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 LOCATION GENERAL ELECTRIC COMPANY
PITTSFIELD MA 01201
ATTN: WILLIAM FESSLER, MGR, EHS&F

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

MA0003891 — PERMIT NUMBER
007 1 — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	08	01	TO	03	08	31

OMB No. 2040-0004

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

*** 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
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	68	68	(15 DEG.F	0	01/30	GR
	PERMIT REQUIREMENT	******	******	**** ****	******	70 MO AVG	75 DAILY MX	DEG. F		ONCE/MONTH	GRAB
PH 00400 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		6.6	******	8.2	(12 SU	0	01/07	GR
	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANDOM
POLYCHLORINATED BIPHENYLS (PCBS) 39516 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	******		******	NODI [9]	NODI [9]	(21			
	PERMIT REQUIREMENT	******	******	**** ****		REPORT MO AVG	REPORT DAILY MX	PPB		QTRLY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.029	0.103	(03) MGD	******	******	******		0	25/30	CA
	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.	Michael T. Carroll	413 494-3500	2003	9	23
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 LOCATION GENERAL ELECTRIC COMPANY
PITTSFIELD MA 01201
ATTN: WILLIAM FESSLER, MGR, EHS&F

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

OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	009 1

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	08	01	TO	03	08	31

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

*** 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 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	1.3	6.4	(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	******	******		6.6	******	7.5	(12) SU	0	01/07	GR
	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM		[illegible] MAXIMUM	SU		WEEKLY	RANGE
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	14.3	46.5	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	213 MO AVG	87[illegible] DAILY MX	LBS/DY				**** ****		WEEKLY	COMPOS
OIL & GREASE 00556 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	8.3	(26) LBS/DY	******	******	5.6	(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	******	******		******	NODI [9]	NODI [9]	(19)			
	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	0.231	0.671	(03) MGD	******	******	******		0	99/99	RC
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD				**** ****		CONTIN UOUS	RCORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
Michael T. Carroll 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.	Michael T. Carroll	413	494-3500	2003	9	23
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: WILLIAM FESSLER, MGR, EHS&F

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

MA0003891 — PERMIT NUMBER
009 A — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	08	01	TO	03	08	31

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

OMB No. 2040-0004

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

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C) 00310 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.2	0.9	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	106 MO AVG	438 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.2	0.9	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	213 MO AVG	876 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.001	0.014	(03) MGD	******	******	******		0	99/99	RC
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD				**** ****		CONTINUOUS	RCORDR
	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 (AREA CODE / NUMBER)	DATE (YEAR / MO / DAY)
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.	Michael T. Carroll	413 494-3500	2003 9 23

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: WILLIAM FESSLER, MGR, EHS&F

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

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	009 B

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	08	01	TO	03	08	31

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

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

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C) 00310 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	1.1	5.5	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	106 MO AVG	439 DAILY MX	LBS/DY				**** ****		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	14.1	46.4	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	213 MO AVG	878 DAILY MX	LBS/DY				**** ****		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.230	0.671	(03) MGD	******	******	******		0	99/99	RC
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD				**** ****		CONTINUOUS	RECORDR
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
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.

Michael T. Carroll
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
413	494-3500	2003	9	23
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.

Form Approved.
OMB No. 2040-0004

PERMITTEE NAME/ADDRESS *(Include Facility Name/ Location (If Different)*

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

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

MA0003891 — PERMIT NUMBER
SUM A — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	08	01	TO	03	08	31

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

*** NO DISCHARGE | | ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING 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
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	0.6	(26) LBS/DY	******	******	******		0	04/30	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	04/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
SILVER TOTAL RECOVERABLE 01079 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	0.01	(26) LBS/DY	******	******	******		0	04/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY				**** ****		ONCE/ MONTH	COMPOS
ZINC TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	0.4	(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	04/30	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	04/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY				**** ****		ONCE/ MONTH	COMPOS
LEAD TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	0.07	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY				**** ****		WEEKLY	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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

Michael T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE			DATE		
413	494-3500		2003	9	23
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: WILLIAM FESSLER, MGR, EHS&F

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

MA0003891 — PERMIT NUMBER
SUM A — DISCHARGE NUMBER

MONITORING PERIOD: FROM YEAR 03 MO 08 DAY 01 TO YEAR 03 MO 08 DAY 31

OMB No. 2040-0004

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 — 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
CHROMIUM TOTAL RECOVERABLE 01118 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	0.01	(26) LBS/DY	******	******	******		0	04/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	0.13	(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	******	0.14	(26) LBS/DY	******	******	******		0	04/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY				**** ****		ONCE/ MONTH	GRAB
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	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.

Michael T. Carroll
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 413 NUMBER 494-3500
DATE: YEAR 2003 MO 9 DAY 23

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: WILLIAM FESSLER, MGR, EHS&F

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

MA0003891	SUM B
PERMIT NUMBER	DISCHARGE NUMBER

	MONITORING PERIOD					
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	08	01	TO	03	08	31

OMB No. 2040-0004

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

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NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	AVERAGE	MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
NOEL STAT 7DAY CHR C ERIODAPHNIA TBD3B 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		100	******	******	(23	0	01/30	CP
	PERMIT REQUIREMENT	******	******	**** ****	REPORT DAILY MN	******	******	% PER-CENT		ONCE/ MONTH	COMPOS
NOAEL STAT 48HR ACU CERIODAPHNIA TDA3B 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		NODI [8]	******	******	(23			
	PERMIT REQUIREMENT	******	******	**** ****	REPORT DAILY MN	******	******	PER-CENT		ONCE/ MONTH	COMPOS
NOAEL STATRE 48HR AC U D. PULEX TDM3D 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		NODI [9]	******	******	(23			
	PERMIT REQUIREMENT	******	******	**** ****	DAILY MN			% PER-CENT		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
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	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.

Michael T. Carroll
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
413	494-3500	2003	9	23
AREA CODE	NUMBER	YEAR	MO	DAY

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

MONTHLY DRY WEATHER TESTING. COMPOSITE PROPORTIONATE TO FLOW. FOR JULY, AUG., SEPT. REPORT ACUTE AND CHRONIC. SEE DMR SUMC FOR QUARTERLY WET WEATHER ACUTE. SUBMIT THIS DMR WITH A NODI '9' WHEN SUBMITTING ~~WET WEATHER RESULTS ON DMR SUMC.~~

Form Approved.
OMB No. 2040-0004

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

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

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

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	SUM C

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	03	07	01	TO	03	09	30

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

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
NOAEL STATRE 48HR AC U D. PULEX TDM3D 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	******		100	******	******	(23) %	0	01/30	CP
	PERMIT REQUIREMENT	******	******	**** ****	REPORT DAILY MN	******	******	PER- CENT		QTRLY	COMPOS
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	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

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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.

Michael T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE AREA CODE	TELEPHONE NUMBER	DATE YEAR	DATE MO	DATE DAY
413	494-3500	2003	9	23

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

QUARTERLY WET WEATHER ACUTE. COMPOSITE PROPORTIONATE TO FLOW. SEE DMR SUMB FOR DRY WEATHER TESTING. SUBMIT THIS DMR WITH A NODI '9' WHEN SUBMITTING DRY WEATHER ON DMR SUMB.

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used.

00195/[illegible] PAGE OF

Attachment C

Toxicity Evaluation of Wastewaters Discharged From the General Electric Plant; Pittsfield, Massachusetts [Samples Collected in September 2003]

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

SGS

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

Samples collected in September 2003

Submitted to:

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

SGS Sample ID: TA3-I0-P443

Study Director: Ken Holliday

29 September 2003

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

SGS

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.cteesi.com

Ken Holliday — September 29, 2003
Date

Ken Holliday
Study Director
kholliday@sgsenvironmental.com

September 29, 2003
Date

Nancy A. Staab
Technical Writer
nancy_staab@sgs.com

September 29, 2003
Date

Peter Farrell
Project Manager
pfarrell@sgsenvironmental.com

SGS

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: September 29, 2003
Date

Ken Holliday
Authorized signature

Ken Holliday
Name

Study Director
Title

SGS Environmental Services
Laboratory

Table of Contents

List of Tables

SGS

Summary

Static Acute Toxicity Test with *Daphnia pulex*

Sponsor:	General Electric
Protocol Title:	*Acute Aquatic Toxicity Testing*, SGS Document Control Number 7002, version 4.0
SGS Study Number:	TA3-I0-P443
Test Material:	Composite effluent from the General Electric Company located in Pittsfield, Massachusetts
GE Sample ID:	A5094C
Dilution Water:	Water from the Housatonic River (grab sample)
GE Sample ID:	A5093R
Dates Collected:	September 16, 2003 to September 17, 2003
Date Received:	September 18, 2003
Test Dates:	September 18, 2003 to September 20, 2003
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 September 18, 2003 to September 20, 2003 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 4.0. 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* (U.S. EPA, 1993. 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 (A5094C) was collected by GE personnel from September 16, 2003 to September 17, 2003. Upon receipt at SGS on September 18, 2003, the sample temperature was 4.8° C. The effluent sample was characterized as having

Parameter	Result
Total Hardness	90
Alkalinity (as $CaCO_3$)	64
pH	6.62
Specific Conductance	268
Dissolved Oxygen Concentration*	8.58

*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 (A5093R) was collected by General Electric personnel on September 17, 2003. Upon receipt at SGS on September 18, 2003, the sample temperature was 4.8°C. The dilution water was characterized as having

Parameter	Result
Total Hardness	130
Alkalinity (as $CaCO_3$)	74
pH	6.31
Specific Conductance	228
Dissolved Oxygen Concentration*	8.44

*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	110
Alkalinity (as $CaCO_3$)	73
pH	7.14
Specific Conductance	338
Dissolved Oxygen	8.72

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 x 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

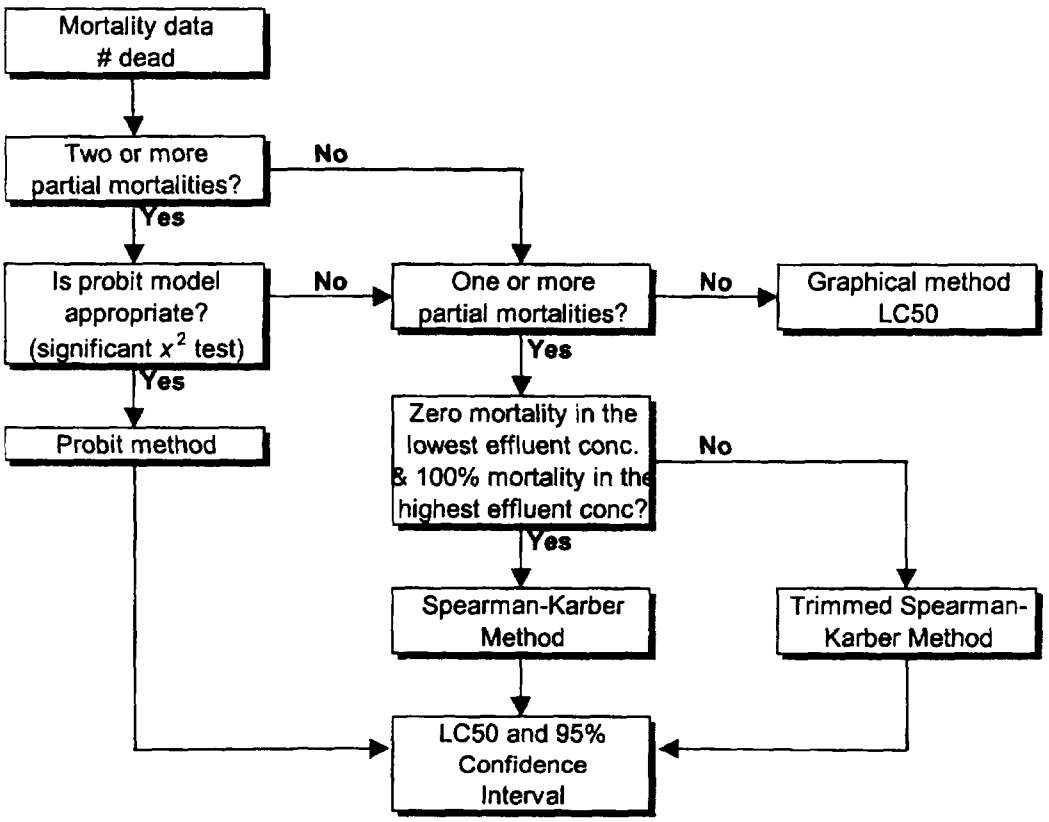
A 48-hour reference toxicity test exposing *Daphnia pulex* to sodium chloride (NaCl) was conducted from September 18, 2003 to September 20, 2003. The reference test was conducted to establish the health of the test organisms. The reference toxicity test included five NaCl concentrations and a dilution 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 ≥ 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. No significant toxicity was 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 September 18, 2003 to September 20, 2003, and the resulting 48-hour LC50 was estimated by Trimmed Spearman-Karber Method to be 2176mg NaCl/L (95% confidence intervals of 1800 to 2631 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. 1993. for *Measuring the Acute Toxicity of Effluents and Receiving Methods Waters to Freshwater and Marine Organisms*. EPA/600/4-90/027F.

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	0.5 mg/L
Chloride	EPA 325.2	1.0 mg/L
Total Organic Carbon	EPA 415.1	0.1 mg/L
Total Solids	EPA 160.3	5.0 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 2. Results of the characterization and analyses of the General Electric Pittsfield Plant effluent and the dilution water (Housatonic River).

Parameter	Effluent (A5094C)	Housatonic River (A5093R)
Temperature	20.6°C	20.6°C
pH	6.62	6.31
Alkalinity (as $CaCO_3$)	64 mg/L	74 mg/L
Hardness (as $CaCO_3$)	90 mg/L	130 mg/L
Dissolved Oxygen	8.58 mg/L	8.44 mg/L
Specific Conductivity	268 µmhos/cm	228 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	31 mg/L	16 mg/L
Total Suspended Solids	ND	8.0 mg/L
Total Solids	130 mg/L	130 mg/L
Total Organic Carbon	4.2 mg/L	8.9 mg/L
Description	Clear and colorless	Slightly cloudy, straw 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 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	7.14	7.19	7.22	8.72	8.62	8.54	20.4	20.3	19.8
Secondary Ref Control	7.16	7.22	7.26	8.78	8.68	8.54	20.4	20.3	19.8
Dilution Water Control	6.31	6.41	6.49	8.44	8.31	8.20	20.6	20.3	19.8
5% Effluent	6.38	6.47	6.48	8.48	8.40	8.31	20.6	20.3	19.8
15% Effluent	6.43	6.51	6.55	9.50	8.48	8.40	20.6	20.3	19.8
35% Effluent	6.51	6.54	6.58	8.52	8.52	8.48	20.6	20.3	19.8
50% Effluent	6.57	6.58	6.61	8.56	8.57	8.52	20.6	20.3	19.8
75% Effluent	6.63	6.62	6.69	8.60	8.59	8.57	20.6	20.3	19.8
100% Effluent	6.62	6.68	6.71	8.58	8.61	8.50	20.6	20.3	19.8

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

Actual number of mortalities 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

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Document Title:	**Acute Aquatic Toxicity Testing**
Method Reference:	**CT&E/USEPA**
Document File Name:	**7002-04.DOC**
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Document Control Number: 7002.

Approved by: _____ Supervisor Date: 10/21/98

Approved by: _____ QA/QC Officer Date: 10/20/98

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.*, Fourth Edition. EPA-600/4-90/027. 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. CT&E uses 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 76 of the manual, *Methods for Measuring the Acute Toxicity of Effluents and Receiving Water to Freshwater and Marine Organisms* (Fourth Edition), EPA-600/4-90-27F, Appendix A, Sections 4.4.1 through 4.4.3. 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 CT&E 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

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Document Title:	**Culture Waters for Aquatic Toxicity Testing**
Method Reference:	**CT&E/USEPA**
Document File Name:	**7005-04.DOC**
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Document Control Number: 7005

Approved by: Ken Halliday (Supervisor) 10/21/98 (Date)

Approved by: Donald M. Davis (QA/QC Officer) 10/20/98 (Date)

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.

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.

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Document Title: Culture of *Daphnia*
Method Reference: CT&E/USEPA
Document File Name: 7006-05.DOC
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Document Control Number: 7006

Approved by: Ken Halliday (Supervisor) 3/23/2001 (Date)

Approved by: [signature] (QA/QC Officer) 3/23/2001 (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.

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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.

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Approved by: (QA/QC Officer) 3/23/2001 (Date)

1.0 Summary

To insure that healthy organisms are used in testing, CT&E performs monthly QA/QC tests on all in-house cultured organisms. CT&E uses Sodium Chloride as a reference toxicant.

2.0 *Pimephales promelas*

2.1 48 hour static acute toxicity tests are run at 20°C (±1°C) using fish 1 to 14 days old.

2.2 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.

2.3 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.

2.4 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.

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

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

3.1 48 hour static acute tests are performed at 25°C (±1°C) using organisms less than 24 hours old.

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

3.2.1 *Ceriodaphnia dubia, Daphnia pulex:* 10, 5, 2.5, 1.25, 0.625 grams/L

3.2.2 *Daphnia magna:* 10, 5, 2.5, 1.25, 0.625 grams/L

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

3.4 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.

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

4.0 Data Analysis

4.1 Toxicity tests are conducted on a monthly basis.

4.2 The LC_{50} is calculated according to EPA protocols.

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

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Approved by: Ken Holladay (Supervisor) 10/21/98 (Date)

Approved by: Cynthia M. Dorn (QA/QC Officer) 10/20/98 (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

CT&E'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 CT&E 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. CT&E 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.

SGS

NPDES Permit No. MA000 3891
SGS ID number: TA3-I0-P443
September 29, 2003

040

Appendix II
Chain of Custody

Chain of Custody Record
General Electric Co.
100 Woodlawn Ave. Pittsfield, MA 01201

TA3-IO-P443-Y2

Chain of Custody #: ET091703

Sept 2003 Chronic Toxicity - Comp. # 2

Split Sample
Dry Acute TOX Sept. 2003

Project # NPDES PERMIT	Analytical Lab: CT&E Environmental Services Inc.			Sampled By: (Print) Mark Lukasewsky, Lou desCognets		
Sample #	Date	Time	Containers	Parameters to be Analyzed	Preservative	Remarks
1 A5094C	9/16 to 9/17/03	1100 AM	1 Gallon plastic	Definitive Test(NOCEL), Static reproductive chronic toxicity, 7-day w/Ceriodaphnia	Chilled	(See below)
1 A5094C	9/16 to 9/17/03	1100 AM	1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
1 A5094C	9/16 to 9/17/03	1100 AM	500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	
2 A5093R	9-17-03	715 AM	1 Gallon plastic	Housatonic River water dilution water for chronic test	Chilled	
2 A5093R	9-17-03	715 AM	1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
2 A5093R	9-17-03	715 AM	500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	

Relinquished By:	Date/Time	Received By:	Date/Time
Mark Wasnewsky	9-17-03	Wayne Pay	9-17-03 14:00
Relinquished By: Wayne Pay	Date/Time 9-17-03 14:30	Received By:	Date/Time 9/18/03 9:40

4.8°C

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- 735 AM 004- / 005-54T- 700 AM 005-54G- 700 AM 007- / 09A- / 09B- 800 AM

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

041

Appendix III

Bench Data

General Electric 48-hour Acute Biotoxicity Bench Sheet

Client: General Electric
Project:
Lab. No.: JA3-10-P443-001/002
Sample Date: 9/16-17/03 Time: 11:00
Date Received: 9/18/03
Source: Effluent Composite
Date Analyzed: 9/18/03
Source of dilution water: Housatonic River Water
Analyst(s): KH
Test Species: *Daphnia pulex* Age: < 24 hours Temp. Range: °C
Type of Test: 48-Hour Static Acute
Total Chlorine: n/d.

	Beginning	Ending
Date:	9/18/03	9/19/03
Time:	1300	1300

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	20.6	20.4	20.4	20.6	20.6	20.6	20.6	20.6	20.6
Hardness	130	110	110						90
D.O.	8.44	8.72	8.78	8.48	8.50	8.52	8.56	8.60	8.58
pH	6.31	7.14	7.16	6.38	6.43	6.51	6.57	6.63	6.62
Alkalinity	74	73	72						64
Sp. Conduct.	228	338	344	235	242	252	258	264	268
24 HOUR									
No. Surviving	20	20	20	20	20	20	20	20	20
Temperature	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
D.O.	8.31	8.62	8.68	8.40	8.48	8.52	8.57	8.59	8.61
pH	6.41	7.19	7.22	6.47	6.51	6.54	6.58	6.62	6.68
Sp. Conduct.	234	346	350	238	246	258	262	268	274
48 HOUR									
No. Surviving	20	20	20	20	20	20	20	20	20
Temperature	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
D.O.	8.20	8.54	8.54	8.31	8.40	8.48	8.52	8.57	8.50
pH	6.49	7.22	7.26	6.48	6.55	6.58	6.61	6.69	6.71
Sp. Conduct.	240	349	362	243	250	262	265	271	278

Method Reference: *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms.*, Fourth Edition. EPA-600/4-90/027F. U.S.EPA, Cincinnati, Ohio.

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

TRIMMED SPEARMAN-KARBER METHOD. MONTANA STATE UNIV

044

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: 09/03/03 TEST NUMBER: - DURATION: 48 HOURS
CHEMICAL: NaCl SPECIES: DAPHNIA PU

RAW DATA:

CONCENTRATION(MG/L)	625.00	1250.00	2500.00	5000.00	*******
NUMBER EXPOSED:	20	20	20	20	20
MORTALITIES:	0	3	11	20	20

SPEARMAN-KARBER TRIM: 0.00%

SPEARMAN-KARBER ESTIMATES:	LC50:	2176.38
95% LOWER CONFIDENCE:		1800.09
95% UPPER CONFIDENCE:		2631.32

Acute Biotoxicity Bench Sheet

045

Client: QC

Project: Reference Toxicant Lab. No.:

Date Received:

Sample Date: Time: Date Analyzed:

Source: NaCl Analyst: KH

Source of dilution water: Moderately Hard Synthetic Water

Test Species: Daphnia pulex Age: < 24 hrs Temp. Range: °C

Type of Test: 48 hour static Acute

Total Chlorine:

	Beginning	Ending
Date:	9/18/03	9/20/03
Time:	1300	1300

Concentration	**Control**		625	1250	2500	5000	10,000
START							
Temperature	20.2		20.2	20.2	20.2	20.2	20.2
Hardness	100						110
D.O.	8.7		8.7	8.7	8.7	8.8	8.8
pH	7.1		7.1	7.1	7.2	7.2	7.2
Alkalinity	70						73
Sp. Conduct.	324		1082	2180	3840	6890	9820
24 HOUR							
Temperature	20.4		20.4	20.4	20.4	20.4	20.4
No. Surviving	20		20	20	13	8	0
48 HOUR							
Temperature	20.8		20.8	20.8	20.8	20.8	20.8
No. Surviving			20	17	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.*, Fourth Edition. EPA-600/4-90/027F. U.S.EPA, Cincinnati, Ohio.

SGS

NPDES Permit No. MA000 3891
SGS ID number: TA3-I0-P443
September 29, 2003

Appendix IV

U.S. EPA Region I Toxicity Test Summary

NPDES Permit No. MA000 3891
SGS ID number: TA3-I0-P443
September 29, 2003

Toxicity Test Summary Sheet

047

Facility Name: General Electric Co. Test Start Date: September 18, 2003
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	☐ Flowthru
☐ 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): September 16, 2003 to September 17, 2003

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: September 18, 2003 to September 20, 2003

N/A= not applicable

SGS

NPDES Permit No. MA000 3891
SGS ID number: TA3-I0-P443
September 29, 2003

Permit Limits & Test Results

048

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

SGS Environmental Services

A national network of environmental laboratories

www.sgsenvironmental.com tel: 304.346.0725 fax: 304.346.0761

SGS Report Definitions

<Hit>	Denotes parameter was detected
ND	Denotes parameter was not detected
Rlimit	The reporting limit is the lowest reported concentration after corrections have been made for sample dilution, sample weight, and (for soils and sediments) amount of moisture in the sample. A * on the reporting limit denotes it was adjusted by the laboratory for dilution, percent solid and/or sample volume
S	A "Y" denotes the result was corrected for percent solid
DilF	The dilution factor
Flg	A flag designation applied to the result, please refer to the definitions below

SGS Flag (Flg) Definitions

U	Denotes parameter was not detected at or above the reporting limit
J	Estimated result -- the result was detected below the reporting limit
E	Estimated result -- the result was above the instrument calibration range
D	Spike or surrogate was diluted out in order to achieve a parameter result within instrument calibration range
I	A result could not be reported due to matrix interference
NON	Denotes a non-numeric result was reported
B	Parameter detected in the method blank
C	Result not reported due to parameter detected in the method blank, please see reanalysis
N	Estimated result due to co-elution of another parameter
NS	Parameter was not spiked
NC	Parameter was unable to be confirmed
Y	Parameter was confirmed
*	Denotes recovery failure of spike or surrogate

Units:

mg/kg and mg/L are otherwise commonly referred to as parts per million (ppm)
µg/kg and µg/L are otherwise commonly referred to as parts per billion (ppb)

Attachment D

Chronic Effects of Process Wastewaters Discharged From the General Electric Plant; Pittsfield, Massachusetts [Samples Collected in September 2003]

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

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

Samples collected in September 2003

Submitted to:

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

SGS Sample ID: TA3-I0-374

Study Director: Ken Holliday

29 September 2003

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
1258 Greenbrier Street
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Tel: 304.346.0725
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29 September 2003

Ken Holliday
Study Director
kholliday@sgsenvironmental.com

Date

29 September 2003

Nancy A. Staab
Technical Writer
nstaab@sgs.com

Date

29 September 2003

Peter Farrell
Project Manager
pfarrell@sgsenvironmental.com

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: 29 September 2003
Date

Authorized signature

Ken Holliday
Name

Study Director
Title

SGS Environmental Services
Laboratory

kholliday@sgsenvironmetnal.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 September 14, 2003 to September 19, 2003. 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 4.0
Study Number:	TA3-I0-374
Test Material:	Composite effluent from the General Electric Company located in Pittsfield, Massachusetts
GE Sample ID:	A5092C, A5094C and A5096C
Dilution Water:	Water from the Housatonic River
Dilution Water ID:	A5091R, A5093R and A5095R

Dates Collected:

Effluent	Dilution Water
09/14/03 to 09/15/03 (A5092C)	09/15/03 (A5091R)
09/16/03 to 09/17/03 (A5094C)	09/17/03 (A5093R)
09/18/03 to 09/19/03 (A5096C)	09/19/03 (A5095R)

Dates Received: 09/16/03, 09/18/03, 09/20/03

Test Dates: 09/16/03 to 09/22/03

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 (*Selanastrum 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 September 16, 2003 to September 23, 2003 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 4.0. 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 (A5092C) was collected by GE personnel from September 14, 2003 to September 15, 2003, 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 September 16, 2003, the sample temperature was 3.8° C. The effluent sample was characterized as having

Sample #1 – collected from 09/14/03 to 09/15/03

Parameter	Result
Total Hardness	130
Alkalinity (as $CaCO_3$)	138
pH	6.56
Specific Conductance	578

Sample #1 – collected from 09/14/03 to 09/15/03

Parameter	Result
Dissolved Oxygen Concentration*	9.22
Appearance	Clear

The second effluent sample (A5094C) was collected by GE personnel from September 16, 2003 to September 17, 2003, and was used for renewal of test solutions on Day 3 and Day 4. Upon receipt at SGS on September 18, 2003, the sample temperature was 4.8° C. The effluent sample was characterized as having

Sample #2 – collected from 09/16/03 to 09/17/03

Parameter	Result
Total Hardness	90
Alkalinity (as $CaCO_3$)	69
pH	6.38
Specific Conductance	272
Dissolved Oxygen Concentration*	8.04
Appearance	Clear

The third effluent sample (A5096C) was collected by GE personnel from September 18, 2003 to September 19, 2003, and was used for renewal of test solutions on Days 5, 6 and 7. Upon receipt at SGS on September 20, 2003, the sample temperature was 4.2° C. The effluent sample was characterized as having

Sample #3 – collected from 09/18/03 to 09/19/03

Parameter	Result
Total Hardness	280
Alkalinity (as $CaCO_3$)	334
pH	7.71
Specific Conductance	1155
Dissolved Oxygen Concentration*	8.34
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 (A5091R) was collected by General Electric personnel on September 15, 2003, and was used with the Day 1 and Day 2 test. Upon receipt at SGS, the sample temperature was 3.8°C. The dilution water sample was characterized as having

Dilution Water #1	**Collected 09/15/03**
Parameter	**Result**
Total Hardness	100
Alkalinity (as $CaCO_3$)	87
pH	6.41
Specific Conductance	287
Dissolved Oxygen Concentration*	9.43
Appearance:	Slight yellow color

The second dilution water sample (A5093R) was collected by General Electric personnel on September 17, 2003, and was used with the Day 3 and Day 4 tests. Upon receipt at SGS, the sample temperature was 4.8°C. The dilution water sample was characterized as having

Dilution Water #2	**Collected 09/17/03**
Parameter	**Result**
Total Hardness	110
Alkalinity (as $CaCO_3$)	71
pH	6.49
Specific Conductance	230
Dissolved Oxygen Concentration*	8.17
Appearance:	Slight yellow color

The third dilution water sample (A5095R) was collected by General Electric personnel on September 19, 2003, and was used with the Day 5, 6 and 7 tests. Upon receipt at SGS, the sample temperature was 4.2°C. The dilution water sample was characterized as having

Dilution Water #3	Collected 09/19/03
Parameter	**Result**
Total Hardness	130
Alkalinity (as $CaCO_3$)	74
pH	6.34
Specific Conductance	243
Dissolved Oxygen Concentration*	8.28
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 $CaCO_3$)	69 - 76
pH	6.9 - 7.1
Specific Conductance	338 - 360

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 (*Selanastrum capricorium*), approximately 4.0 x 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. Fluorescent 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 September 3, 2003 to September 5, 2003. 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.

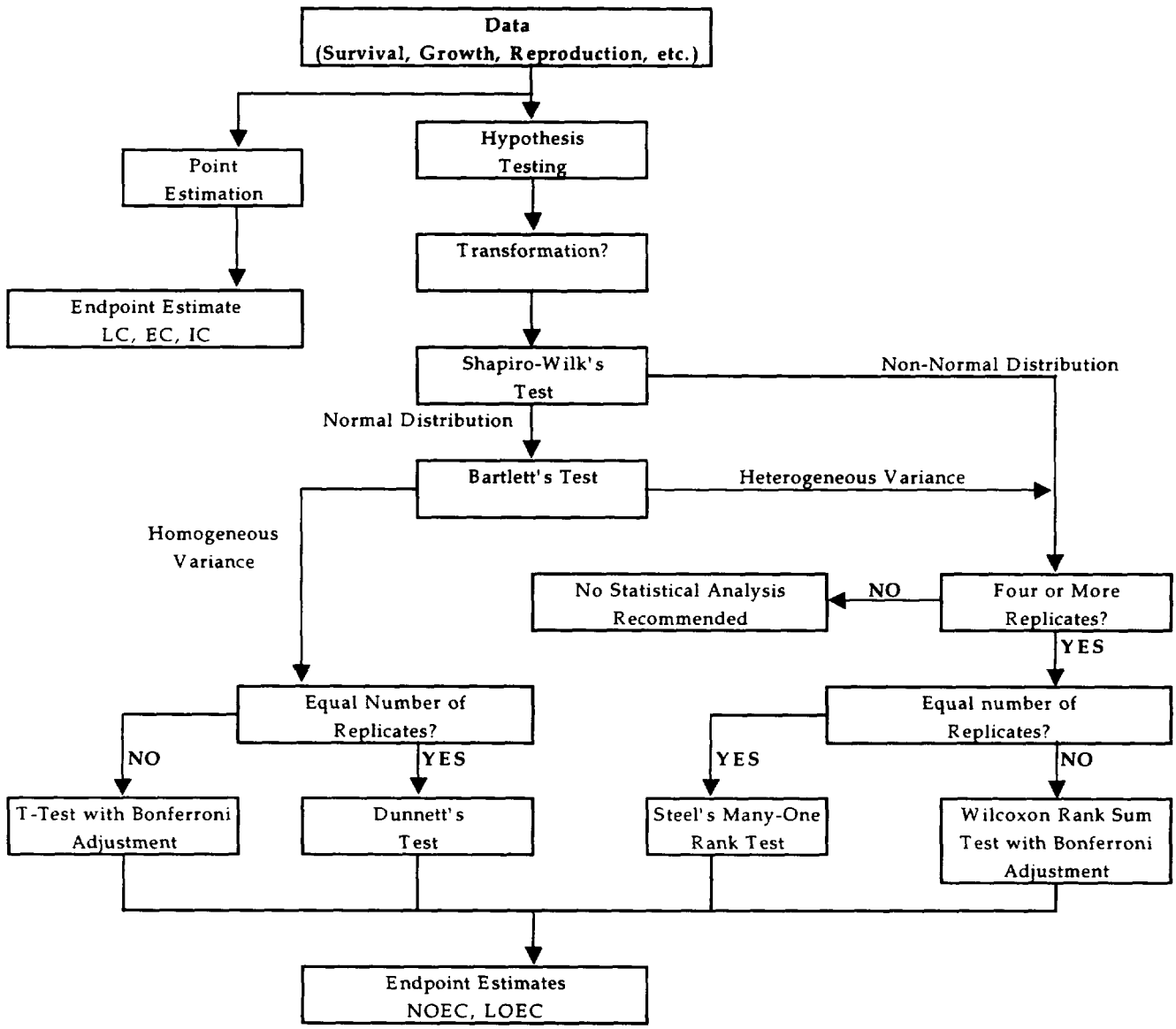
If partial mortalities were observed in at least two concentrations, the probit analysis, which yields LC_{50} values and 95 percent confidence levels, was used. When fewer than two partial mortalities were observed, the moving average method, binomial method, or non-linear interpolation, was used to 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 →	29.3	29.9	29.5	26.8	28.8	26.4	30.2	26.3	29.6

(secondary reference control = sodium thiosulfate)

Statistical analyses of *C. dubia* reproduction using Steel's Many-One Rank Test 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 September 3, 2003 to September 5, 2003, and the resulting 48-hour LC_{50} was estimated by Spearman-Karber Trim to be 1255 mg of NaCl/L (95% confidence intervals of 1034 to 1523 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-600/4-91/002. 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	0.5 mg/L
Chloride	EPA 325.2	1.0 mg/L
Total Organic Carbon	EPA 415.1	0.1 mg/L
Total Solids	EPA 160.3	5.0 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 09/14/03 to 09/15/03
Dilution water collected on 09/15/03
Results of the characterization and analyses of the General Electric Pittsfield Plant effluent and the dilution water (Housatonic River).

Parameter	Effluent (A5092C)	Housatonic River (A5091R)
Temperature	25.1°C	25.1°C
pH	6.56	6.41
Alkalinity (as $CaCO_3$)	138	87
Hardness (as $CaCO_3$)	130	100
Dissolved Oxygen*	9.22	9.43
Specific Conductivity	578	287
Salinity	N/A	N/A
Total Residual Chlorine	ND	ND
Ammonia as N (0-Hour)	ND	ND
Total Phosphorus as P	0.048 mg/L	ND
Chloride	86 mg/L	22 mg/L
Total Suspended Solids	6.0	ND
Total Solids	290 mg/L	160 mg/L
Total Organic Carbon	7.2 mg/L	7.2 mg/L
Description	clear	slight yellow color

*Dissolved oxygen concentrations recorded after samples were aerated and warmed to approximately 25°C.
N/A = not applicable ND = non detectable

Table 2b. Sample #2 – collected from 09/16/03 to 09/17/03
Dilution water collected on 09/17/003
Results of the characterization and analyses of the General Electric Pittsfield Plant effluent and the dilution water (Housatonic River).

Parameter	Effluent (A5094C)	Housatonic River (A5093R)
Temperature	25.2°C	25.2°C
pH	6.38	6.49
Alkalinity (as $CaCO_3$)	69	71
Hardness (as $CaCO_3$)	90	110
Dissolved Oxygen	8.04	8.17
Specific Conductivity	272	230
Salinity	N/A	N/A
Total Residual Chlorine	ND	ND
Ammonia as N (0-Hour)	ND	ND
Total Phosphorus as P	ND	ND
Chloride	31 mg/L	16 mg/L
Total Suspended Solids	ND	8.0 mg/L
Total Solids	130 mg/L	130 mg/L
Total Organic Carbon	4.2 mg/L	8.9 mg/L
Description	Clear	Slight yellow color

Dissolved oxygen concentrations recorded after samples were aerated and warmed to approximately 25°C.
N/A = not applicable ND = non detectable

**Table 2c. Sample #3 – collected from 09/18/03 to 09/19/03
Dilution water collected on 09/19/03
Results of the characterization and analyses of the General Electric Pittsfield Plant effluent and the dilution water (Housatonic River).**

Parameter	Effluent (A5096C)	Housatonic River (A5095R)
Temperature	24.8°C	24.8°C
pH	7.71	6.34
Alkalinity (as $CaCO_3$)	334	74
Hardness (as $CaCO_3$)	280	130
Dissolved Oxygen	8.34	8.28
Specific Conductivity	1155	243
Salinity	N/A	N/A
Total Residual Chlorine	ND	ND
Ammonia as N (0-Hour)	ND	ND
Total Phosphorus as P	ND	ND
Chloride	150 mg/L	17 mg/L
Total Suspended Solids	ND	ND
Total Solids	590 mg/L	140 mg/L
Total Organic Carbon	5.6 mg/L	7.2 mg/L
Description	Clear	Slight yellow color

Dissolved oxygen concentrations recorded after samples were aerated and warmed to approximately 25°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	6.34-6.49	8.14-9.43	24.8-25.5	216-294
Reference Control	7.04-7.17	8.68-8.82	24.8-25.5	324-345
$Na_2S_2O_3$ Control	7.11-7.19	8.72-8.92	24.8-25.5	290-341
6.25% effluent	6.42-6.78	8.12-9.32	24.8-25.5	229-497
12.5% effluent	6.40-6.87	8.10-9.30	24.8-25.5	237-572
25% effluent	6.42-7.04	8.08-9.27	24.8-25.5	242-747
50% effluent	6.52-7.38	8.04-9.24	24.8-25.5	258-839
75% effluent	6.40-7.53	8.07-9.20	24.8-25.5	267-990
100% effluent	6.38-7.71	8.04-9.22	24.8-25.5	269-1204

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%	90% (1)

	Number of Offspring Produced							Mean
Reference Control	0	0	11	27	49	76	100	26.3
$Na_2S_2O_3$ Control	0	0	14	30	34	115	103	29.6
Control	0	0	39	20	74	94	75	30.2
6.25	0	0	21	17	75	84	96	29.3
12.5	0	0	19	23	90	54	113	29.9
25	0	0	20	20	113	66	76	29.5
50	0	0	0	42	92	11	123	26.8
75	0	0	11	28	115	50	84	28.8
100	0	0	14	22	114	59	56	26.5

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

NPDES Permit No. MA000 3891
SGS ID number: TA3-I0-374
September 29, 2003

Appendix II
Chains of Custody

NPDES Permit No. MA000 3891
SGS ID number: TA3-I0-374
September 29, 2003

Appendix III
Bench Data

NPDES Permit No. MA000 3891
SGS ID number: TA3-I0-374
September 29, 2003

Appendix IV
Statistical Sheets

NPDES Permit No. MA000 3891
SGS ID number: TA3-I0-374
September 29, 2003

Appendix V

U.S. EPA Region I Toxicity Test Summary

NPDES Permit No. MA000 3891
SGS ID number: TA3-I0-374
September 29, 2003

Toxicity Test Summary Sheet

Facility Name: General Electric Co. Test Start Date: September 16, 2003
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): _____

_____

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: September 3, 2003 to September 5, 2003

NPDES Permit No. MA000 3891
SGS ID number: TA3-I0-374
September 29, 2003

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

NPDES Permit No. MA000 3891
SGS ID number: TA3-I0-374
September 29, 2003

Appendix VI
7-Day Chronic Reference
Toxicity Test Data