GE
159 Plastics Avenue
Pittsfield, MA 01201
USA

Transmitted via Overnight Courier

July 8, 2005

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

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

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

Dear Mr. Tagliaferro and Ms. Steenstrup:

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

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

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

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

Sincerely,

John F. Novotny/cts/bw

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

Enclosure
V:\GE_Pittsfield_General_Confidential\Reports and Presentations\Monthly Reports\2005\06-05 CD Monthly-Draft\Letter.doc

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

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

JUNE 2005

MONTHLY STATUS REPORT

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

GENERAL ELECTRIC COMPANY

PITTSFIELD, MASSACHUSETTS

Background

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

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

General Activities (GECD900)

GE Plant Area (non-groundwater)

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

Former Oxbow Areas (non-groundwater)

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

Housatonic River

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

Housatonic River Floodplain

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

Other Areas

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

Groundwater Management Areas (GMAs)

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

GENERAL ACTIVITIES
GE-PITTSFIELD/HOUSATONIC RIVER SITE
(GECD900)
JUNE 2005

a. Activities Undertaken/Completed

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

- Citizens Coordinating Council (CCC) canoe trip on the Housatonic River (June 15, 2005).

- Conducted sampling of potential backfill source at Hurley's Gravel Pit.

- Received Notice of Transfer of NPDES Outfalls 001, 01A, and 004 (June 13, 2005).

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

b. Sampling/Test Results Received

- See attached tables with data from Hurley's Gravel Pit.

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

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

c. Work Plans/Reports/Documents Submitted

Responded to EPA's March 9, 2005 letter on Northeast Analytical's (NEA's) and SGS' Standard Operating Procedures (SOPs) for PCB analysis using Method 8082 for NPDES monitoring (June 8, 2005).

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

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

- Continue NPDES sampling and monitoring activities.

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

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received verbal approval from EPA to use the PCB data presented herein (three non-detect data sets provided in Table G-2) in-lieu of the previous PCB data for soil backfill from the Hurley's Gravel Pit. EPA also verbally approved that the previous data set does not need to be considered in the averaging and should be considered void (July 5, 2005).

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

GENERAL ACTIVITIES
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Hurleys Gravel Pit Backfill Sampling	HURLEYS-GRAVEL-1	6/21/05	Soil	SGS	PCB	6/23/05
Hurleys Gravel Pit Backfill Sampling	HURLEYS-GRAVEL-2	6/21/05	Soil	SGS	PCB	6/23/05
Hurleys Gravel Pit Backfill Sampling	HURLEYS-GRAVEL-3	6/21/05	Soil	SGS	PCB	6/23/05

TABLE G-2
PCB DATA RECEIVED DURING JUNE 2005

HURLEYS GRAVEL PIT BACKFILL SAMPLING
GENERAL ACTIVITIES
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
HURLEYS-GRAVEL-1	6/21/2005	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
HURLEYS-GRAVEL-2	6/21/2005	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
HURLEYS-GRAVEL-3	6/21/2005	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)

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

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

a. Activities Undertaken/Completed

- Continued demolition activities at Buildings 42 and 43/43-A and completed demolition of Building 44.

- Continued preparation of Supplemental Building Characterization Report and Building Debris Stockpile Proposal for 40s Complex.

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

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

- Submitted to PEDA an affidavit concerning environmental remediation and property transfer (June 9, 2005).

- At the request of EPA, GE submitted data (in electronic form) to EPA for 20s and 30s Complexes that consisted of: PCB data sets for soil, summaries of items and quantities disposed offsite, and figures depicting the sampling locations and current configuration of each complex (June 21, 2005).

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

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

- Submit Supplemental Building Characterization Report and Building Debris Stockpile Proposal (due on or before July 7, 2005).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

None

f. Proposed/Approved Work Plan Modifications

Received Conditional Approval Letter from EPA for GE's August 4, 2004 Proposal for Supplemental Building Characterization Activities for Buildings 42, 43/43-A, 44 (June 7, 2005).

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
PCB Ambient Air Sampling	W3 - West of 40s	6/20 - 6/21/05	Air	Berkshire Environmental	PCB	6/28/05
PCB Ambient Air Sampling	S2 - Woodlawn Avenue	6/20 - 6/21/05	Air	Berkshire Environmental	PCB	6/28/05
PCB Ambient Air Sampling	M2 - South of Bldg. 5	6/20 - 6/21/05	Air	Berkshire Environmental	PCB	6/28/05
PCB Ambient Air Sampling	MC3 - Near Bldg. 16 & 19	6/20 - 6/21/05	Air	Berkshire Environmental	PCB	6/28/05
PCB Ambient Air Sampling	MC3-CO - Colocated - near Bldgs. 16 & 19	6/20 - 6/21/05	Air	Berkshire Environmental	PCB	6/28/05
PCB Ambient Air Sampling	BM1 - Background - Inside GE Gate 31	6/20 - 6/21/05	Air	Berkshire Environmental	PCB	6/28/05
PCB Ambient Air Sampling	BK2 - Background - Colocated	6/20 - 6/21/05	Air	Berkshire Environmental	PCB	6/28/05

TABLE 1-2
AMBIENT AIR PCB DATA RECEIVED DURING JUNE 2005

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

Date	W3 (West of 40s) (µg/m3)	S2 (Woodlawn Avenue) (µg/m3)	M2 (South of Bldg. 5) (µg/m3)	MC3 (Near Bldgs. 16 & 19) (µg/m3)	MC3-CO (Co-located - near Bldgs. 16 & 19) (µg/m3)	BM1 (Background - Inside GE Gate 31) (µg/m3)	BK2 (Background - Co-located) (µg/m3)
06/20 - 06/21/05	0.0037	0.0034	0.0064	0.0086	0.0068	0.0037	0.0030
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05	0.05

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

a. Activities Undertaken/Completed

- Performed sludge sampling at Building 64T (see Table 2-1).
- Continued site restoration activities at 60s Complex, including placement of pre-tested pond silt and hydroseed at former Building 66 footprint area.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

- Continue routine process sampling at Buildings 64G and/or 64T.
- Continue site restoration activities at 60s Complex, including placement of pre-tested pond silt and hydroseed at former Building 61 footprint area.
- Initiate additional sampling activities proposed in Interim Letter Report (submitted October 22, 2004) following EPA approval.*
- Continue development of Final Completion Report for City Recreational Area.*

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Building 64T Sludge Sampling	F5-64T-01	6/4/05	Sludge	SGS	PCB	6/14/05

TABLE 2-2
PCB DATA RECEIVED DURING JUNE 2005

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

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
F5-64T-01	6/4/2005	ND(7.1)	140	130	270

Notes:

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

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

a. Activities Undertaken/Completed

- Continued equipment draining and dismantling activities at Buildings 1, 2, and 3.
- Completed asbestos removal activities at Buildings 4, 5, and 6.
- Completed demolition of Building 5.
- Initiated demolition of Building 4.
- Conducted a pre-bid meeting and site visit related to the Request For Proposal (RFP) for asbestos and equipment/liquids removal activities at Buildings 15, 15A, 15B, and 15W (June 1, 2005), and distributed the associated Addendum No. 1 (June 6, 2005).
- Awarded contract for asbestos and equipment/liquids removal activities at Buildings 15, 15A, 15B, and 15W (June 14, 2005).
- Distributed an RFP for asbestos removal activities at Buildings 1, 2, 3, and 3B on June 9, 2005.
- Conducted a pre-bid meeting and site visit related to the RFP for asbestos removal activities at Buildings 1, 2, 3, and 3B (June 16, 2005), and distributed the associated Addendum No. 1 (June 24, 2005).
- Conducted air monitoring for PCBs and particulate matter as identified in Table 3-1. Air monitoring locations S2, M2, MC3, MC3-CO, BM1, and BK2 are also used while demolition activities are being conducted within the 40s Complex (see Item 1a).
- Verbally notified EPA on June 29, 2005 of notification level exceedence during particulate air monitoring activities on that date. Elevated levels were attributed to high humidity and precipitation.
- Collected and tankered approximately 300 gallons of water from utility excavations at Buildings 4, 5, and 6 to Building 64G for treatment.

b. Sampling/Test Results Received

See attached tables.

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

c. Work Plans/Reports/Documents Submitted

Submitted Pre-Excavation Notification Letter for utility excavations associated with demolition of Buildings 9 and 9E (June 14, 2005).

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

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

- Received conditional approval from the MDEP for a request for exemption from certain MDEP asbestos regulations during the demolition of Buildings 4, 5, and 6 (June 15, 2005).
- Received approval from EPA/MDEP for the Pre-Excavation Notification Letters (GE to EPA/MDEP dated May 27, May 31, and June 14, 2005) for several planned major excavations (June 2, June 6, and June 27, 2005, respectively).

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Building 1 Characterization Sampling	1-1-1	5/17/05	Brick	SGS	PCB	6/3/05
Building 1 Characterization Sampling	1-1-10	5/17/05	Brick	SGS	PCB	6/3/05
Building 1 Characterization Sampling	1-1-11	5/17/05	Brick	SGS	PCB	6/3/05
Building 1 Characterization Sampling	1-1-2	5/17/05	Brick	SGS	PCB	6/3/05
Building 1 Characterization Sampling	1-1-3	5/17/05	Brick	SGS	PCB	6/3/05
Building 1 Characterization Sampling	1-1-4	5/17/05	Brick	SGS	PCB	6/3/05
Building 1 Characterization Sampling	1-1-5	5/17/05	Tile/Concrete	SGS	PCB	6/3/05
Building 1 Characterization Sampling	1-1-6	5/17/05	Brick	SGS	PCB	6/3/05
Building 1 Characterization Sampling	1-1-7	5/17/05	Brick	SGS	PCB	6/3/05
Building 1 Characterization Sampling	1-1-8	5/17/05	Brick	SGS	PCB	6/3/05
Building 1 Characterization Sampling	1-1-9	5/17/05	Brick	SGS	PCB	6/3/05
Building 1 Characterization Sampling	1-1-TCLP-1	5/18/05	Brick/Concrete	SGS	TCLP	6/7/05
Building 1 Characterization Sampling	1-1G-TCLP-1	5/18/05	Brick/Wood	SGS	TCLP	6/7/05
Building 1 Characterization Sampling	BLDG-DUP-1 (1-1-3)	5/17/05	Brick	SGS	PCB	6/3/05
Building 1 Characterization Sampling	BLDG-DUP-2 (1-1-TCLP-1)	5/18/05	Brick/Concrete	SGS	TCLP	6/7/05
Building 1 Characterization Sampling	BLDG1A-2-1	5/16/05	Wood	SGS	PCB	6/8/05
Building 1 Characterization Sampling	BLDG1A-2-2	5/16/05	Brick	SGS	PCB	6/8/05
Building 15 Characterization Sampling	15-1-1	5/18/05	Concrete	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-10	5/18/05	Brick	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-11	5/18/05	Brick	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-12	5/18/05	Brick	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-13	5/18/05	Brick	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-14	5/18/05	Brick	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-15	5/18/05	Brick	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-16	5/18/05	Brick	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-17	5/18/05	Brick	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-2	5/18/05	Concrete	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-3	5/18/05	Concrete	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-4	5/18/05	Concrete	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-5	5/18/05	Brick	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-6	5/18/05	Brick	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-7	5/18/05	Brick	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-8	5/18/05	Brick	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-9	5/18/05	Brick	SGS	PCB	6/7/05
Building 15 Characterization Sampling	15-1-TCLP-1	5/18/05	Brick/Concrete	SGS	TCLP	6/7/05
Building 15 Characterization Sampling	15-1-TCLP-2	5/18/05	Concrete/Brick	SGS	TCLP	6/7/05
Building 15 Characterization Sampling	BLDG-DUP-4 (15-1-3)	5/18/05	Concrete	SGS	PCB	6/7/05
Building 15 Characterization Sampling	BLDG-DUP-5 (15-1-15)	5/18/05	Brick	SGS	PCB	6/7/05
Building 2 Characterization Sampling	2-1-1	5/17/05	Brick	SGS	PCB	6/3/05
Building 2 Characterization Sampling	2-1-2	5/17/05	Brick	SGS	PCB	6/3/05

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Building 2 Characterization Sampling	2-1-3	5/17/05	Brick	SGS	PCB	6/3/05
Building 2 Characterization Sampling	2-1-4	5/17/05	Brick	SGS	PCB	6/3/05
Building 2 Characterization Sampling	2-1-5	5/17/05	Concrete	SGS	PCB	6/3/05
Building 2 Characterization Sampling	2-1-6	5/17/05	Concrete	SGS	PCB	6/3/05
Building 2 Characterization Sampling	2-1-7	5/17/05	Concrete	SGS	PCB	6/3/05
Building 2 Characterization Sampling	2-1-8	5/17/05	Concrete	SGS	PCB	6/3/05
Building 2 Characterization Sampling	2-1-9	5/18/05	Brick	SGS	PCB	6/7/05
Building 2 Characterization Sampling	2-1-TCLP-1	5/18/05	Brick/Concrete	SGS	TCLP	6/7/05
Building 2 Characterization Sampling	BLDG-DUP-3 (2-1-6)	5/17/05	Concrete	SGS	PCB	6/3/05
Building 3 Characterization Sampling	3-1-1	5/17/05	Concrete	SGS	PCB	6/3/05
Building 3 Characterization Sampling	3-1-2	5/17/05	Brick	SGS	PCB	6/3/05
Building 3 Characterization Sampling	3-1-3	5/17/05	Concrete	SGS	PCB	6/3/05
Building 3 Characterization Sampling	3-1-4	5/17/05	Brick	SGS	PCB	6/3/05
Building 3 Characterization Sampling	3-1-5	5/17/05	Brick	SGS	PCB	6/3/05
Building 3 Characterization Sampling	3-1-6	5/17/05	Brick	SGS	PCB	6/3/05
Building 3 Characterization Sampling	3-1-7	5/17/05	Brick	SGS	PCB	6/3/05
Building 3 Characterization Sampling	3-1-8	5/17/05	Brick	SGS	PCB	6/3/05
Building 3 Characterization Sampling	3-1-9	5/18/05	Brick	SGS	PCB	6/7/05
Building 3 Characterization Sampling	3-1-TCLP-1	5/18/05	Brick/Concrete	SGS	TCLP	6/7/05
Building 3 Characterization Sampling	3B-1-1	5/16/05	Brick/Concrete	SGS	PCB	6/8/05
Building 3 Characterization Sampling	3B-1-TCLP-1	5/16/05	Brick/Concrete	SGS	TCLP	6/8/05
Buildings 1, 2 & 3 Oil Sampling	715-2-3-OIL-1	5/23/05	Oil	SGS	PCB	6/3/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/13/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/13/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/13/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	6/13/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/14/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/14/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/14/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	6/14/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/15/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/15/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/15/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	6/15/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/16/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/16/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/16/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	6/16/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/17/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/17/05	Air	Berkshire Environmental	Particulate Matter	6/29/05

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/17/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	6/17/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/20/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/20/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/20/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	6/20/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/21/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/21/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/21/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	6/21/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/22/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/22/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/22/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/23/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/23/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/23/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	6/23/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/27/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	M2 - South of Bldg. 5	6/27/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/27/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	6/27/05	Air	Berkshire Environmental	Particulate Matter	6/29/05
Ambient Air Particulate Matter Sampling	MC3 - Near Bldg. 16 & 19	6/30/05	Air	Berkshire Environmental	Particulate Matter	7/7/05
Ambient Air Particulate Matter Sampling	S2 - Woodlawn Avenue	6/30/05	Air	Berkshire Environmental	Particulate Matter	7/7/05
Ambient Air Particulate Matter Sampling	Background Inside GE Gate 31	6/30/05	Air	Berkshire Environmental	Particulate Matter	7/7/05
PCB Ambient Air Sampling	S2 - Woodlawn Avenue	6/20 - 6/21/05	Air	Berkshire Environmental	PCB	6/29/05
PCB Ambient Air Sampling	M2 - South of Bldg. 5	6/20 - 6/21/05	Air	Berkshire Environmental	PCB	6/29/05
PCB Ambient Air Sampling	MC3 - Near Bldg. 16 & 19	6/20 - 6/21/05	Air	Berkshire Environmental	PCB	6/29/05
PCB Ambient Air Sampling	19	6/20 - 6/21/05	Air	Berkshire Environmental	PCB	6/29/05
PCB Ambient Air Sampling	BM1 - Background - Inside GE Gate 31	6/20 - 6/21/05	Air	Berkshire Environmental	PCB	6/29/05
PCB Ambient Air Sampling	BK2 - Background - Co-located	6/20 - 6/21/05	Air	Berkshire Environmental	PCB	6/29/05

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

TABLE 3-2
PCB DATA RECEIVED DURING JUNE 2005

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

Sample ID	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
715-2-3-OIL-1	5/23/2005	ND(1.0)	ND(1.0)	0.39 J	0.39 J

Notes:

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

Data Qualifiers:

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

TABLE 3-3
PCB DATA RECEIVED DURING JUNE 2005

BUILDINGS 1, 2, 3, AND 15 CHARACTERIZATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
1-1-1	Brick	5/17/2005	ND(0.17)	2.7	2.9	5.6
1-1-2	Brick	5/17/2005	ND(0.17)	1.5	1.1	2.6
1-1-3	Brick	5/17/2005	ND(0.033) [ND(0.17)]	0.72 [1.3]	0.75 [1.4]	1.47 [2.7]
1-1-4	Brick	5/17/2005	ND(0.033)	0.58	0.77	1.35
1-1-5	Tile/Concrete	5/17/2005	ND(0.033)	0.19	0.22	0.41
1-1-6	Brick	5/17/2005	ND(0.033)	0.37	0.28	0.65
1-1-7	Brick	5/17/2005	ND(0.033)	0.32	0.67	0.99
1-1-8	Brick	5/17/2005	ND(0.17)	1.4	2.2	3.6
1-1-9	Brick	5/17/2005	ND(0.17)	2.4	2.2	4.6
1-1-10	Brick	5/17/2005	ND(1.7)	3.3	12	15.3
1-1-11	Brick	5/17/2005	ND(0.033)	ND(0.033)	0.85	0.85
2-1-1	Brick	5/17/2005	ND(0.33)	1.8	5.4	7.2
2-1-2	Brick	5/17/2005	ND(0.33)	1.8	3.6	5.4
2-1-3	Brick	5/17/2005	ND(0.033)	0.15	0.61	0.76
2-1-4	Brick	5/17/2005	ND(17)	ND(17)	560	560
2-1-5	Concrete	5/17/2005	ND(0.17)	1.8	2.1	3.9
2-1-6	Concrete	5/17/2005	ND(0.33) [ND(0.033)]	2.4 [0.65]	4.3 [0.85]	6.7 [1.5]
2-1-7	Concrete	5/17/2005	ND(0.17)	1.1	1.5	2.6
2-1-8	Concrete	5/17/2005	ND(0.17)	0.51	0.77	1.28
2-1-9	Brick	5/18/2005	ND(0.67)	5.0	11	16
3-1-1	Concrete	5/17/2005	ND(0.33)	1.7	2.8	4.5
3-1-2	Brick	5/17/2005	ND(0.033)	0.82	0.80	1.62
3-1-3	Concrete	5/17/2005	ND(0.033)	0.13	0.097	0.227
3-1-4	Brick	5/17/2005	ND(0.033)	0.42	1.1	1.52
3-1-5	Brick	5/17/2005	ND(0.33)	ND(0.33)	5.9	5.9
3-1-6	Brick	5/17/2005	ND(0.17)	1.2	1.7	2.9
3-1-7	Brick	5/17/2005	ND(0.67)	ND(0.67)	11	11
3-1-8	Brick	5/17/2005	ND(0.67)	8.3	16	24.3
3-1-9	Brick	5/18/2005	ND(0.17)	2.1	2.8	4.9
3B-1-1	Brick/Concrete	5/16/2005	ND(0.033)	ND(0.033)	0.063	0.063
15-1-1	Concrete	5/18/2005	ND(0.033)	0.066	0.094	0.16
15-1-2	Concrete	5/18/2005	ND(0.033)	0.14	0.12	0.26
15-1-3	Concrete	5/18/2005	ND(0.033) [ND(0.033)]	0.25 [0.086]	0.33 [0.14]	0.58 [0.226]
15-1-4	Concrete	5/18/2005	ND(0.033)	0.039	0.038	0.077
15-1-5	Brick	5/18/2005	ND(0.033)	0.27	0.20	0.47
15-1-6	Brick	5/18/2005	ND(0.033)	0.071	0.050	0.121
15-1-7	Brick	5/18/2005	ND(0.033)	0.12	0.061	0.181
15-1-8	Brick	5/18/2005	ND(0.033)	0.31	0.49	0.80
15-1-9	Brick	5/18/2005	ND(0.033)	0.35	0.42	0.77
15-1-10	Brick	5/18/2005	ND(0.033)	0.20	0.17	0.37
15-1-11	Brick	5/18/2005	ND(0.033)	0.076	0.093	0.169
15-1-12	Brick	5/18/2005	ND(0.033)	0.96	0.63	1.59
15-1-13	Brick	5/18/2005	ND(0.033)	0.30	0.37	0.67
15-1-14	Brick	5/18/2005	ND(0.17)	1.4	2.1	3.5
15-1-15	Brick	5/18/2005	ND(0.033) [ND(0.033)]	0.74 [0.53]	1.0 [1.5]	1.74 [2.03]
15-1-16	Brick	5/18/2005	ND(0.033)	0.75	0.79	1.54
15-1-17	Brick	5/18/2005	ND(0.033)	0.32	0.43	0.75
BLDG1A-2-1	Wood	5/16/2005	ND(5.0)	27	58	85
BLDG1A-2-2	Brick	5/16/2005	ND(0.17)	1.6	3.0	4.6

Notes:

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

Data Qualifiers:

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

TABLE 3-4
TCLP DATA RECEIVED DURING JUNE 2005

BUILDINGS 1, 2, 3, AND 15 CHARACTERIZATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	1-1G-TCLP-1 5/18/2005	1-1-TCLP-1 5/18/2005	2-1-TCLP-1 5/18/2005	3-1-TCLP-1 5/18/2005
Volatile Organics					
1,1-Dichloroethene	0.7	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
1,2-Dichloroethane	0.5	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
2-Butanone	200	ND(0.20)	ND(0.20) [ND(0.20)]	ND(0.20)	ND(0.20)
Benzene	0.5	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Carbon Tetrachloride	0.5	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Chlorobenzene	100	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Chloroform	6	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Tetrachloroethene	0.7	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Trichloroethene	0.5	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Vinyl Chloride	0.2	ND(0.10)	ND(0.10) [ND(0.10)]	ND(0.10)	ND(0.10)
Semivolatile Organics					
1,4-Dichlorobenzene	7.5	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
2,4,5-Trichlorophenol	400	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	2	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene	0.13	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Cresol	200	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Hexachlorobenzene	0.13	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Hexachlorobutadiene	0.5	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Hexachloroethane	3	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Nitrobenzene	2	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Pentachlorophenol	100	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Pyridine	5	ND(0.050)	ND(0.050) [ND(0.050)]	ND(0.050)	ND(0.050)
Inorganics					
Arsenic	5	0.00720 B	ND(0.100) [ND(0.100)]	0.00430 B	ND(0.100)
Barium	100	0.220	0.270 [0.310]	0.320	0.220
Cadmium	1	0.00940 B	0.00100 B [0.000650 B]	ND(0.0200)	0.00560 B
Chromium	5	0.0330 B	0.0140 B [0.0270 B]	0.130	0.0570
Lead	5	3.90	0.360 [0.160]	0.0550 B	0.110
Mercury	0.2	0.000170 B	ND(0.00200) [ND(0.00200)]	ND(0.00200)	ND(0.00200)
Selenium	1	0.00710 B	0.00750 B [0.00880 B]	0.00720 B	0.00800 B
Silver	5	ND(0.0200)	ND(0.0200) [ND(0.0200)]	ND(0.0200)	ND(0.0200)

TABLE 3-4
TCLP DATA RECEIVED DURING JUNE 2005

BUILDINGS 1, 2, 3, AND 15 CHARACTERIZATION SAMPLING
EAST STREET AREA 2 - NORTH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	3B-1-TCLP-1 5/16/2005	15-1-TCLP-1 5/18/2005	15-1-TCLP-2 5/18/2005
Volatile Organics				
1,1-Dichloroethene	0.7	ND(0.10)	ND(0.10)	ND(0.10)
1,2-Dichloroethane	0.5	ND(0.10)	ND(0.10)	ND(0.10)
2-Butanone	200	ND(0.20)	ND(0.20)	ND(0.20)
Benzene	0.5	ND(0.10)	ND(0.10)	ND(0.10)
Carbon Tetrachloride	0.5	ND(0.10)	ND(0.10)	ND(0.10)
Chlorobenzene	100	ND(0.10)	ND(0.10)	ND(0.10)
Chloroform	6	ND(0.10)	ND(0.10)	ND(0.10)
Tetrachloroethene	0.7	ND(0.10)	ND(0.10)	ND(0.10)
Trichloroethene	0.5	ND(0.10)	ND(0.10)	ND(0.10)
Vinyl Chloride	0.2	ND(0.10)	ND(0.10)	ND(0.10)
Semivolatile Organics				
1,4-Dichlorobenzene	7.5	ND(0.050)	ND(0.050)	ND(0.050)
2,4,5-Trichlorophenol	400	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	2	ND(0.050)	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene	0.13	ND(0.050)	ND(0.050)	ND(0.050)
Cresol	200	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobenzene	0.13	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobutadiene	0.5	ND(0.050)	ND(0.050)	ND(0.050)
Hexachloroethane	3	ND(0.050)	ND(0.050)	ND(0.050)
Nitrobenzene	2	ND(0.050)	ND(0.050)	ND(0.050)
Pentachlorophenol	100	ND(0.050)	ND(0.050)	ND(0.050)
Pyridine	5	ND(0.050)	ND(0.050)	ND(0.050)
Inorganics				
Arsenic	5	0.00410 B	ND(0.100)	ND(0.100)
Barium	100	0.720	0.550	0.650
Cadmium	1	0.000770 B	0.000620 B	0.00100 B
Chromium	5	0.0340 B	0.0320 B	0.0260 B
Lead	5	0.00490 B	0.0140 B	0.0290 B
Mercury	0.2	ND(0.00200)	ND(0.00200)	ND(0.00200)
Selenium	1	0.0100 B	0.0100 B	0.00660 B
Silver	5	ND(0.0200)	ND(0.0200)	ND(0.0200)

Notes:

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

Data Qualifiers:

Inorganics

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

TABLE 3-5
AMBIENT AIR PARTICULATE MATTER DATA RECEIVED DURING JUNE 2005

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

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Concentration (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
06/13/05	MC3 - Near Bldg. 16 & 19	0.015*	0.064*	11:30	Calm
	M2 - South of Bldg. 5	0.044*		11:30	
	S2 - Woodlawn Avenue	0.117[1]		6:45[2]	
06/14/05	MC3 - Near Bldg. 16 & 19	0.023*	0.042*	6:15[3]	WNW
	M2 - South of Bldg. 5	0.020*		6:15[3]	
	S2 - Woodlawn Avenue	0.064		6:15[3]	
06/15/05	MC3 - Near Bldg. 16 & 19	0.022*	0.030*	7:15[3]	Variable
	M2 - South of Bldg. 5	0.016*		7:15[3]	
	S2 - Woodlawn Avenue	0.067		7:15[3]	
06/16/05	MC3 - Near Bldg. 16 & 19	0.011*	0.018*	4:45[3]	Calm, ENE
	M2 - South of Bldg. 5	0.009*		4:45[3]	
	S2 - Woodlawn Avenue	0.043		5:00[3]	
06/17/05	MC3 - Near Bldg. 16 & 19	0.006*	0.005*	8:30[3]	WSW, SSW
	M2 - South of Bldg. 5	0.007*		8:45[3]	
	S2 - Woodlawn Avenue	0.018		8:45[3]	
06/20/05	MC3 - Near Bldg. 16 & 19	0.019*	0.019*	12:00	WSW
	M2 - South of Bldg. 5	0.016*		11:45	
	S2 - Woodlawn Avenue	0.042		12:00	
06/21/05	MC3 - Near Bldg. 16 & 19	0.026*	0.031*	11:00	WNW
	M2 - South of Bldg. 5	0.020*		11:00	
	S2 - Woodlawn Avenue	0.039		11:15	
06/22/05	MC3 - Near Bldg. 16 & 19	0.013*	NA[4]	6:30[3]	NNE
	M2 - South of Bldg. 5	0.016*		6:30[3]	
	S2 - Woodlawn Avenue	0.029		6:45[3]	
06/23/05	MC3 - Near Bldg. 16 & 19	0.008*	0.012*	11:00	WNW
	M2 - South of Bldg. 5	0.008*		11:00	
	S2 - Woodlawn Avenue	0.019		11:15	
06/24/05[5]	MC3 - Near Bldg. 16 & 19	NA	NA	NA	NA
	M2 - South of Bldg. 5				
	S2 - Woodlawn Avenue				
06/27/05	MC3 - Near Bldg. 16 & 19	0.074*[1]	0.109*[1]	10:45	Variable
	M2 - South of Bldg. 5	0.079*[1]		10:45	
	S2 - Woodlawn Avenue	0.156[1]		11:00	
06/28/05[6]	MC3 - Near Bldg. 16 & 19	NA	NA	NA	NA
	M2 - South of Bldg. 5				
	S2 - Woodlawn Avenue				
06/29/05[6]	MC3 - Near Bldg. 16 & 19	NA	NA	NA	NA
	M2 - South of Bldg. 5				
	S2 - Woodlawn Avenue				
06/30/05	MC3 - Near Bldg. 16 & 19	0.039*	0.010*	11:00	Calm, Variable
	M2 - South of Bldg. 5	NA[4]		NA[4]	
	S2 - Woodlawn Avenue	0.069		11:15	
Notification Level		0.120			

Notes:
NA - Not Available.
* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.
Background monitoring location inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street.
Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.
[1] Sampling data are biased high due to high humidity levels.
[2] Sampling period was shortened due to interference from a caterpillar in the instrument.
[3] Sampling period was shortened due to precipitation/threat of precipitation.
[4] Sampling data are not available due to equipment failure.
[5] Sampling was not performed due to lack of site activity.
[6] Sampling was not performed due to precipitation/threat of precipitation.

TABLE 3-6
AMBIENT AIR PCB DATA RECEIVED DURING JUNE 2005

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

Date	S2 (Woodlawn Avenue) (µg/m3)	M2 (South of Bldg. 5) (µg/m3)	MC3 (Near Bldgs. 16 & 19) (µg/m3)	MC3-CO (Co-located - Near Bldgs. 16 & 19) (µg/m3)	BM1 (Background - Inside GE Gate 31) (µg/m3)	BK2 (Background Co-located) (µg/m3)
06/20 - 06/21/05	0.0034	0.0064	0.0086	0.0068	0.0037	0.0030
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05

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

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted draft Final Completion Report (June 3, 2005).

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

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

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

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

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

a. Activities Undertaken/Completed

- Conducted ambient air monitoring for PCBs.
- Continued transfer of leachate from Building 71 OPCA to Building 64G for treatment. The total amount transferred in June 2005 was 130,000 gallons (see Table 5-3).
- Transferred soils and sediments from removal activities at the 1½ Mile Reach and 1½ Mile floodplain properties; demolition materials from the 40s Complex and Buildings 4, 5, and 6; and various facility-related materials to the OPCAs.
- Conducted sampling of potential backfill source at Bullard's Crossroads Gravel Pit.

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted letter to EPA summarizing the proposed 2005 OPCA expansion and consolidation activities (June 15, 2005)

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

- Continue transfer to the OPCAs of building demolition debris from various ongoing demolition projects and excavated material from removal activities in the 1½ Mile Reach and 1½ Mile floodplain properties.
- Initiate transfer of excavated materials from Newell Street Area I/II removal activities to 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 JUNE 2005

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Bullards Crossroads Gravel Pit Sampling	BULLARDS-GRAVEL-1	6/21/05	Soil	SGS	PCB, VOC, SVOC, Metals	
PCB Ambient Air Sampling	Southwest of OPCAs	06/1 - 06/2/05	Air	Berkshire Environmental	PCB	6/7/05
PCB Ambient Air Sampling	Southwest of OPCAs Co-located	06/1 - 06/2/05	Air	Berkshire Environmental	PCB	6/7/05
PCB Ambient Air Sampling	West of OPCAs	06/1 - 06/2/05	Air	Berkshire Environmental	PCB	6/7/05
PCB Ambient Air Sampling	North of OPCAs	06/1 - 06/2/05	Air	Berkshire Environmental	PCB	6/7/05
PCB Ambient Air Sampling	Southeast of OPCAs	06/1 - 06/2/05	Air	Berkshire Environmental	PCB	6/7/05
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	06/1 - 06/2/05	Air	Berkshire Environmental	PCB	6/7/05
PCB Ambient Air Sampling	Background Inside GE Gate 31	06/1 - 06/2/05	Air	Berkshire Environmental	PCB	6/7/05
PCB Ambient Air Sampling	Southwest of OPCAs	06/29 - 06/30/05	Air	Berkshire Environmental	PCB	7/7/05
PCB Ambient Air Sampling	Southwest of OPCAs Co-located	06/29 - 06/30/05	Air	Berkshire Environmental	PCB	7/7/05
PCB Ambient Air Sampling	West of OPCAs	06/29 - 06/30/05	Air	Berkshire Environmental	PCB	7/7/05
PCB Ambient Air Sampling	North of OPCAs	06/29 - 06/30/05	Air	Berkshire Environmental	PCB	7/7/05
PCB Ambient Air Sampling	Southeast of OPCAs	06/29 - 06/30/05	Air	Berkshire Environmental	PCB	7/7/05
PCB Ambient Air Sampling	Pittsfield Generating (PGE)	06/29 - 06/30/05	Air	Berkshire Environmental	PCB	7/7/05
PCB Ambient Air Sampling	Background Inside GE Gate 31	06/29 - 06/30/05	Air	Berkshire Environmental	PCB	7/7/05

TABLE 5-2
AMBIENT AIR PCB DATA RECEIVED DURING JUNE 2005

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

Date	Southwest of OPCAs (µg/m^3)	Southwest of OPCAs colocated (µg/m^3)	West of OPCAs (µg/m^3)	North of OPCAs (µg/m^3)	Southeast of OPCAs (µg/m^3)	Pittsfield Generating (PGE) (µg/m^3)	Background Inside GE Gate 31 (µg/m^3)
06/01 - 06/02/05	0.0016	0.0015	0.0023	0.0012	NA[1]	0.0014	0.0024
06/29 - 06/30/05	0.0048	0.0028	0.0042	0.0020	0.0045	0.0085	0.0080
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05	0.05

Note:
[1] Not available - sample voided due to condensing tube tip breakage during analysis at the laboratory. Re-extraction was not possible.

TABLE 5-3
BUILDING 71 CONSOLIDATION AREA LEACHATE TRANSFER SUMMARY
PLANT AREA - HILL 78 & BUILDING 71 CONSOLIDATION AREAS

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

Month / Year	Total Volume of Leachate Transferred (Gallons)
June 2004	147,500
July 2004	171,000
August 2004	214,000
September 2004	230,000
October 2004	177,000
November 2004	138,000
December 2004	146,000
January 2005	136,000
February 2005	116,500
March 2005	174,500
April 2005	192,000
May 2005	89,500
June 2005	130,000

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
JUNE 2005

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

a. Activities Undertaken/Completed

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

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

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

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

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

a. Activities Undertaken/Completed

- Continued pre-demolition preparation of GE Advanced Materials Plant Site 1 buildings.
- Initiated demolition of GE Advanced Materials Plant Site 1 buildings and off-site disposal of associated waste materials.
- Conducted beaver dam roll-off sampling (see Table 7-1).
- Collected samples as part of the parking lot sweeping activities conducted at the GE Advanced Materials facilities (see Table 7-1).
- Collected and tankered approximately 20,000 gallons of water from a utility excavation at Building OP-3 to Building 64G for treatment.

b. Sampling/Test Results Received

See attached table.

c. Work Plans/Reports/Documents Submitted

None

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

- Prepare letter summarizing existing soil data in the area of a gasoline/convenience station located within Parcel L12-1-2.
- Complete pre-design investigation sampling (i.e., samples associated with "unresolved issues" listed below under Item 7.e).*
- Continue pre-demolition preparation of GE Advanced Materials Plant Site 1 buildings.
- Continue demolition of GE Advanced Materials Plant Site 1 buildings and off-site disposal of associated waste materials.
- Work on preparation of Pre-Design Investigation Report (due September 7, 2005).*

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

- Refusal was encountered at 1 foot below ground surface at six locations anticipated to be borings extending to 15 feet in the vicinity of the Unkamet Brook portion flowing through Parcel L11-4-11. GE, with EPA oversight, is attempting alternative sampling procedures to attempt to advance those borings as anticipated.*

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

f. Proposed/Approved Work Plan Modifications

None

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

UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

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

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

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

a. Activities Undertaken/Completed

Continued preparation of Final RD/RA Work Plan (due on or before July 6, 2005).

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

Complete and submit Final RD/RA Work Plan (due on or before July 6, 2005).

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 9
LYMAN STREET AREA
(GECD430)
JUNE 2005

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

a. Activities Undertaken/Completed

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

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA approval of GE's Conceptual RD/RA Work Plan Addendum (June 2, 2005).

ITEM 10
NEWELL STREET AREA I
(GECD440)
JUNE 2005

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

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

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

ITEM 11
NEWELL STREET AREA II
(GECD450)
JUNE 2005

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted Supplemental Information Package (June 24, 2005).

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

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA and Trustee approval of the May 2005 Addendum to the Final RD/RA Work Plan (June 9, 2005 and June 10, 2005, respectively).

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

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

a. Activities Undertaken/Completed

Initiate preparation of Final RD/RA Work Plan.

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA approval of GE's Conceptual RD/RA Work Plan (June 14, 2005).

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

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

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

- Conduct seepage meter monitoring when water levels allow.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

- Seepage meter monitoring has not occurred due to increased water levels.

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

f. Proposed/Approved Work Plan Modifications

None

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

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

a. Activities Undertaken/Completed

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

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

Continue Housatonic River monthly water column monitoring.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

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

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

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
Monthly Water Column Sampling	Location-4	6/28/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-4	5/31/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	6/14/05
Monthly Water Column Sampling	Location-6	5/31/05	Water	NEA	PCB, TSS, POC, Chlorophyll-A	6/14/05

TABLE 14-2
SAMPLE DATA RECEIVED DURING JUNE 2005

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

Sample ID	Location	Date Collected	Aroclor-1016, -1221, -1232, -1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
LOCATION-4	Lyman Street Bridge	5/31/2005	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.351	2.30	0.0019
LOCATION-6	Dawes Ave. Bridge	5/31/2005	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.694	12.2	0.0057

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

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

a. Activities Undertaken/Completed

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

- Received notification from EPA that EPA's Human Health and Environmental Risk Assessments have been completed, and began work on development of Interim Media Protection Goals (IMPG) Proposal.*

- Discussed issues regarding Woods Pond Dam with consultant to Trustees.

b. Sampling/Test Results

See attached tables.

c. Work Plans/Reports/Documents Submitted

Submitted Work Plan for gate stem repair at Rising Pond Dam (June 10, 2005).*

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

- Continue Housatonic River monthly water column monitoring.

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

- Notify EPA of planned additional soil sampling at Parcels K4-6-28, K4-6-27, and J3-2-1 and conduct such sampling.

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

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

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

f. Proposed/Approved Work Plan Modifications

None

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

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

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Additional Reach 7 Floodplain Soil Sampling	DUP-052505-1 (FP01-001-003)	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	DUP-052505-2 (FP01-005-002)	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-001-001	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-001-001	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-001-002	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-001-002	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-001-003	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-001-003	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-002-001	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-002-001	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-002-002	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-002-002	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-002-003	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-002-003	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-003-001	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-003-001	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-003-002	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-003-002	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-004-001	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-004-001	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-004-002	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-004-002	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-005-001	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-005-001	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-005-002	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-005-002	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-005-003	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-005-003	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-006-001	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-006-001	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-006-002	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-006-002	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-006-003	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-006-003	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-007-001	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-007-001	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-007-002	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-007-002	5/25/05	1-2	Soil	SGS	PCB	6/16/05

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

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

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Additional Reach 7 Floodplain Soil Sampling	FP01-007-003	5/25/05	0-1	Soil	SGS	PCB	6/16/05
Additional Reach 7 Floodplain Soil Sampling	FP01-007-003	5/25/05	1-2	Soil	SGS	PCB	6/16/05
Monthly Water Column Sampling	HR-D1 (Location-12)	6/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	HR-D1 (Location-12)	5/31/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	6/14/05
Monthly Water Column Sampling	Location-1	5/31/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	6/14/05
Monthly Water Column Sampling	Location-1	6/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-10	5/31/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	6/14/05
Monthly Water Column Sampling	Location-10	6/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-12	5/31/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	6/14/05
Monthly Water Column Sampling	Location-12	6/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-13	5/31/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	6/14/05
Monthly Water Column Sampling	Location-13	6/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-2	6/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-2	5/31/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	6/14/05
Monthly Water Column Sampling	Location-7	6/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-7	5/31/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	6/14/05
Monthly Water Column Sampling	Location-9	6/28/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	
Monthly Water Column Sampling	Location-9	5/31/05	NA	Water	NEA	PCB, TSS, POC, Chlorophyll-A	6/14/05

Notes:

1. Field duplicate sample locations are presented in parenthesis.

TABLE 15-2
SAMPLE DATA RECEIVED DURING JUNE 2005

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

Sample ID	Location	Date Collected	Aroclor-1016, -1221, -1232, -1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCBs	POC	TSS	Chlorophyll (a)
LOCATION-1	Hubbard Avenue Bridge	5/31/2005	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.369	1.40	0.00080
LOCATION-2	Newell Street Bridge	5/31/2005	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.274	3.70	0.0012
LOCATION-7	Holmes Road Bridge	5/31/2005	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.261	2.00	0.0015
LOCATION-9	New Lenox Road Bridge	5/31/2005	ND(0.0000220)	0.0000370 AE	0.000240 AF	0.0000360 AG	0.000313	0.239	1.90	0.0013
LOCATION-10	Headwaters of Woods Pond	5/31/2005	ND(0.0000440)	0.0000920 AE	0.000200 AF	0.000430 AG	0.000722	0.277	12.3	0.0051
LOCATION-12	Schweitzer Bridge	5/31/2005 5/31/2005	ND(0.0000220) [ND(0.0000220)]	0.0000290 AE [0.0000280 AE]	0.0000410 AF [0.0000350 AF]	0.0000570 AG [0.0000530 AG]	0.000127 [0.000116]	0.541 [0.635]	6.70 [6.40]	0.0091 [0.0097]
LOCATION-13	Division Street Bridge	5/31/2005	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	ND(0.0000220)	0.541	4.00	0.0029

Notes:

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

Data Qualifiers:

AE - Aroclor 1248 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
AF - Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
AG - Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

TABLE 15-3
PCB DATA RECEIVED DURING JUNE 2005

ADDITIONAL REACH 7 FLOODPLAIN SOIL SAMPLING
HOUSATONIC RIVER - REST OF RIVER
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parcel ID	Sample ID	Depth (Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
7-49A	FP01-001-001	0-1	5/25/2005	ND(0.064)	ND(0.064)	1.6	1.6
		1-2	5/25/2005	ND(0.25)	ND(0.25)	3.8	3.8
	FP01-001-002	0-1	5/25/2005	ND(0.058)	ND(0.058)	0.20	0.20
		1-2	5/25/2005	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	FP01-001-003	0-1	5/25/2005	ND(0.043) [ND(0.043)]	ND(0.043) [ND(0.043)]	ND(0.043) [ND(0.043)]	ND(0.043) [ND(0.043)]
		1-2	5/25/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	FP01-002-001	0-1	5/25/2005	ND(0.27)	ND(0.27)	3.9	3.9
		1-2	5/25/2005	ND(0.050)	ND(0.050)	0.28	0.28
	FP01-002-002	0-1	5/25/2005	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
		1-2	5/25/2005	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	FP01-002-003	0-1	5/25/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
		1-2	5/25/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	FP01-003-001	0-1	5/25/2005	ND(0.045)	ND(0.045)	1.1	1.1
		1-2	5/25/2005	ND(0.045)	ND(0.045)	1.6	1.6
	FP01-003-002	0-1	5/25/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
		1-2	5/25/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	FP01-004-001	0-1	5/25/2005	ND(0.040)	ND(0.040)	0.068	0.068
		1-2	5/25/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	FP01-004-002	0-1	5/25/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
		1-2	5/25/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	FP01-005-001	0-1	5/25/2005	ND(0.043)	ND(0.043)	0.036 J	0.036 J
		1-2	5/25/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	FP01-005-002	0-1	5/25/2005	ND(0.041) [ND(0.042)]	ND(0.041) [ND(0.042)]	0.050 [0.061]	0.050 [0.061]
		1-2	5/25/2005	ND(0.043)	ND(0.043)	0.12	0.12
	FP01-005-003	0-1	5/25/2005	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
		1-2	5/25/2005	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
	FP01-006-001	0-1	5/25/2005	ND(0.044)	ND(0.044)	0.88	0.88
		1-2	5/25/2005	ND(0.042)	ND(0.042)	0.16	0.16
	FP01-006-002	0-1	5/25/2005	ND(0.043)	ND(0.043)	0.66	0.66
		1-2	5/25/2005	ND(0.036)	ND(0.036)	0.018 J	0.018 J
	FP01-006-003	0-1	5/25/2005	ND(0.046)	ND(0.046)	0.22	0.22
		1-2	5/25/2005	ND(0.039)	ND(0.039)	0.037 J	0.037 J
	FP01-007-001	0-1	5/25/2005	ND(0.042)	ND(0.042)	0.26	0.26
		1-2	5/25/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	FP01-007-002	0-1	5/25/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
		1-2	5/25/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	FP01-007-003	0-1	5/25/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
		1-2	5/25/2005	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)

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

Data Qualifiers:

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

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

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

a. Activities Undertaken/Completed

Conducted supplemental pre-design investigations at Parcel I7-1-101 (Group 4A property) on June 21, 2005 in accordance with the Pre-Design Investigation Report for Phase 4 floodplain properties.

b. Sampling/Test Results Received

See attached table.

c. Work Plans/Reports/Documents Submitted

- Submitted a Supplemental Information Package with more details on remediation plans for the Group 3A and 3B floodplain properties (June 8, 2005).
- Submitted an Addendum to the RD/RA Work Plan for the Group 3A and 3B Floodplain Properties (June 8, 2005).
- Submitted an RD/RA Work Plan for the Group 3C and 3D Floodplain Properties (June 14, 2005).

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

- Conduct remediation at Group 3A and 3B properties.
- Select Remediation Contractor for Group 3C and 3D properties.
- Submit Supplemental Information Package for remediation of Group 3C and 3D properties.
- Submit Supplemental Pre-Design Investigation Report for Phase 4 properties (due July 14, 2005).
- Initiate preparation of RA/RA Work Plan for Phase 4 properties (due August 29, 2005).

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

e. General Progress/Unresolved Issues/Potential Schedule Impacts

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

f. Proposed/Approved Work Plan Modifications

- Received conditional approval from EPA of the Addendum to the RD/RA Work Plan for the Group 3A and 3B Floodplain Properties (June 16, 2005).

- Received approval from EPA of the Supplemental Information Package for the Group 3A and 3B Floodplain Properties (June 16, 2005).

- Received conditional approval from EPA of the Pre-Design Investigation Report for the Phase 4 Floodplain Properties (June 14, 2005).

TABLE 16&17-1
DATA RECEIVED AND/OR SAMPLES COLLECTED DURING JUNE 2005

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

Project Name	Field Sample ID	Sample Date	Depth (feet)	Matrix	Laboratory	Analyses	Date Received
Floodplain Topsoil Sampling	FLOODPLAIN-TOPSOIL-1	5/19/05	NA	Soil	SGS	PCB, VOC, SVOC, Metals	6/2/05
Non-Residential Properties Soil Sampling	4A-SB-5E	6/21/05	1-3	Soil	SGS	SVOC	6/24/05
Non-Residential Properties Soil Sampling	4A-SB-5N	6/21/05	1-3	Soil	SGS	SVOC	6/24/05
Non-Residential Properties Soil Sampling	4A-SB-5S	6/21/05	1-3	Soil	SGS	SVOC	6/24/05
Non-Residential Properties Soil Sampling	4A-SB-5W	6/21/05	1-3	Soil	SGS	SVOC	6/24/05
Non-Residential Properties Soil Sampling	4A-SB-DUP-1 (4A-SB-5E)	6/21/05	1-3	Soil	SGS	SVOC	6/24/05
Non-Residential Properties Soil Sampling	4A-SS-16E	6/21/05	0-1	Soil	SGS	SVOC	6/24/05
Non-Residential Properties Soil Sampling	4A-SS-16N	6/21/05	0-1	Soil	SGS	SVOC	6/24/05
Non-Residential Properties Soil Sampling	4A-SS-16S	6/21/05	0-1	Soil	SGS	SVOC	6/24/05
Non-Residential Properties Soil Sampling	4A-SS-16W	6/21/05	0-1	Soil	SGS	SVOC	6/24/05
Non-Residential Properties Soil Sampling	4A-SS-6E	6/21/05	0-1	Soil	SGS	Arsenic	6/24/05
Non-Residential Properties Soil Sampling	4A-SS-6N	6/21/05	0-1	Soil	SGS	Arsenic	6/24/05
Non-Residential Properties Soil Sampling	4A-SS-6W	6/21/05	0-1	Soil	SGS	Arsenic	6/24/05
Non-Residential Properties Soil Sampling	4A-SS-DUP-2 (4A-SS-6W)	6/21/05	0-1	Soil	SGS	Arsenic	6/24/05

Note:

1. Field duplicate sample locations are presented in parenthesis.

TABLE 16&17-2
APPENDIX IX+3 DATA RECEIVED DURING JUNE 2005

FLOODPLAIN SOIL SAMPLING
FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID: / Date Collected:	FLOODPLAIN-TOPSOIL-1 05/19/05
Volatile Organics	
Acetone	0.0052 J
PCBs	
None Detected	--
Semivolatile Organics	
None Detected	--
Inorganics	
Antimony	2.00 B
Arsenic	9.50
Barium	55.0
Beryllium	0.650
Cadmium	0.190 B
Chromium	16.0
Cobalt	11.0
Copper	16.0
Lead	98.0
Mercury	0.0750 B
Nickel	19.0
Selenium	1.80
Tin	2.40 B
Vanadium	19.0
Zinc	88.0

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

Data Qualifiers:

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

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

TABLE 16&17-3
DATA RECEIVED DURING JUNE 2005

SOIL BORING PROGRAM
FLOODPLAIN RESIDENTIAL AND NON-RESIDENTIAL PROPERTIES ADJACENT TO 1 1/2 MILE REACH
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID:	4A-SB-5E	4A-SB-5N	4A-SB-5S	4A-SB-5W	4A-SS-6E	4A-SS-6N	4A-SS-6W	4A-SS-16E	4A-SS-16N	4A-SS-16S	4A-SS-16W
Sample Depth (Feet):	1-3	1-3	1-3	1-3	0-1	0-1	0-1	0-1	0-1	0-1	0-1
Parameter / Date Collected:	06/21/05	06/21/05	06/21/05	06/21/05	06/21/05	06/21/05	06/21/05	06/21/05	06/21/05	06/21/05	06/21/05
Semivolatile Organics											
2-Methylnaphthalene	ND(3.7) [ND(3.7)]	ND(0.38)	1.1 J	ND(0.39)	NA	NA	NA	ND(3.8)	ND(3.8)	0.70 J	ND(3.8)
Acenaphthene	ND(3.7) [ND(3.7)]	ND(0.38)	2.0 J	ND(0.39)	NA	NA	NA	ND(3.8)	ND(3.8)	ND(3.7)	ND(3.8)
Acenaphthylene	0.73 J [0.99 J]	ND(0.38)	1.6 J	ND(0.39)	NA	NA	NA	ND(3.8)	ND(3.8)	7.2	ND(3.8)
Anthracene	0.80 J [1.6 J]	ND(0.38)	3.8 J	ND(0.39)	NA	NA	NA	0.29 J	ND(3.8)	12	ND(3.8)
Benzo(a)anthracene	ND(3.7) [5.4]	ND(0.38)	8.7	ND(0.39)	NA	NA	NA	0.75 J	0.44 J	18	0.73 J
Benzo(a)pyrene	3.0 J [4.8]	ND(0.38)	8.0	ND(0.39)	NA	NA	NA	0.86 J	0.55 J	15	0.60 J
Benzo(b)fluoranthene	2.4 J [3.4 J]	ND(0.38)	6.2	ND(0.39)	NA	NA	NA	0.78 J	0.44 J	9.9	0.51 J
Benzo(g,h,i)perylene	1.5 J [2.3 J]	ND(0.38)	4.6	ND(0.39)	NA	NA	NA	0.55 J	ND(3.8)	7.1	ND(3.8)
Benzo(k)fluoranthene	2.7 J [4.9]	ND(0.38)	8.6	ND(0.39)	NA	NA	NA	0.85 J	0.43 J	14	0.53 J
Chrysene	4.0 J [5.7]	ND(0.38)	11	ND(0.39)	NA	NA	NA	0.91 J	0.55 J	16	0.91 J
Dibenzo(a,h)anthracene	ND(3.7) [ND(3.7)]	ND(0.38)	ND(4.2)	ND(0.39)	NA	NA	NA	ND(3.8)	ND(3.8)	1.3 J	ND(3.8)
Dibenzofuran	ND(3.7) [ND(3.7)]	ND(0.38)	1.5 J	ND(0.39)	NA	NA	NA	ND(3.8)	ND(3.8)	4.5	ND(3.8)
Fluoranthene	6.6 [12]	ND(0.38)	22	ND(0.39)	NA	NA	NA	2.0 J	0.88 J	46	1.4 J
Fluorene	ND(3.7) [0.46 J]	ND(0.38)	2.7 J	ND(0.39)	NA	NA	NA	ND(3.8)	ND(3.8)	3.9	ND(3.8)
Indeno(1,2,3-cd)pyrene	1.1 J [1.7 J]	ND(0.38)	3.9 J	ND(0.39)	NA	NA	NA	ND(3.8)	ND(3.8)	5.9	ND(3.8)
Naphthalene	ND(3.7) [ND(3.7)]	ND(0.38)	ND(4.2)	ND(0.39)	NA	NA	NA	ND(3.8)	ND(3.8)	1.1 J	ND(3.8)
Phenanthrene	3.9 [6.6]	ND(0.38)	18	ND(0.39)	NA	NA	NA	0.89 J	ND(3.8)	48	1.0 J
Pyrene	7.5 [12]	ND(0.38)	22	ND(0.39)	NA	NA	NA	1.9 J	0.79 J	38	1.3 J
Inorganics											
Arsenic	NA	NA	NA	NA	10.0	18.0	16.0 [10.0]	NA	NA	NA	NA

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

Data Qualifiers:

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

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

None

e. General Progress/Unresolved Issues/Potential Schedule Impacts

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

f. Proposed/Approved Work Plan Modifications

None

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

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

a. Activities Undertaken/Completed

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

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

Submitted a letter report entitled "Completion of Stage 1 of the Bench-Scale Study for Silver Lake Sediments" (June 13, 2005).

d. Upcoming Scheduled Activities (next six weeks)

- Continue water-level monitoring at well pairs surrounding the lake.
- Perform Stage 3 of the Bench-Scale study for sediments in accordance with the Bench-Scale Study Work Plan, as conditionally approved by EPA on February 25, 2005.
- Send ERE requests to owners of certain commercial properties adjacent to Silver Lake.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA conditional approval of the "Completion of Stage 1 of the Bench-Scale Study for Silver Lake Sediments" (June 23, 2005).

ITEM 21
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 1 (GMA 1)
(GECD310)
JUNE 2005

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

a. Activities Undertaken/Completed

General

- Conducted routine groundwater elevation and NAPL monitoring.

East Street Area 1-North and South:

- Continued automated groundwater and NAPL pumping at North Side and South Side Caissons. Approximately 22 gallons of LNAPL were recovered from the North Side Caisson, and approximately 2 gallons of LNAPL were recovered from the South Side Caisson in June.

- Collected approximately 0.025 liter (0.007 gallon) of LNAPL from wells in this area in June.

East Street Area 2-South:

- Continued automated groundwater and LNAPL removal activities. A total of approximately 5,261,109 gallons of groundwater was recovered from pumping systems 64R, 64S, 64V, 64X, RW-1(S), RW-1(X), and RW-2(X). In addition, approximately 1,120 gallons of LNAPL were removed from pumping systems 64R, 64V, RW-1(S), RW-1(X), 64X, and 64S Caisson.

- Continued automated DNAPL removal activities. Removed approximately 62 gallons of DNAPL from pumping system RW-3(X).

- Continued routine well monitoring and manual NAPL removal activities. Approximately 9.91 liters (2.61 gallons) of LNAPL were removed from wells in this area during June.

- Treated/discharged 4,376,135 gallons of water through 64G Groundwater Treatment Facility.

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

East Street Area 2-North:

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

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

a. Activities Undertaken/Completed (cont'd)

20s, 30s, and 40s Complexes:

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

Lyman Street Area:

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

- Continued routine well monitoring and manual NAPL removal activities. Approximately 1.24 liters (0.33 gallon) of DNAPL were removed from wells in this area.

Newell Street Area II:

- Continued automated DNAPL recovery, with the collection of approximately 51 gallons of DNAPL from the automated collection systems.

- Continued routine well monitoring and manual NAPL removal activities. Approximately 1.12 liters (0.29 gallon) of DNAPL were removed from wells in this area during June.

Silver Lake Area:

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

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

- Submitted results of DNAPL recovery testing and proposed modifications to Newell Street Area II DNAPL recovery systems (June 7, 2005).

- Submitted engineering plans for modifications to Newell Street Area II DNAPL recovery systems (June 23, 2005).

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

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

- Continue routine monitoring activities.
- Submit proposal to install additional LNAPL monitoring wells in East Street Area 2-South.
- Initiate upgrades to DNAPL recovery systems at Newell Street Area II upon EPA approval of June 7, 2005 proposal.
- Continue work on preparation of spring 2005 NAPL monitoring report.
- Decommission well LSSC-05 and convert above-grade wells LSSC-34S and LSSC-34I to flush-mount wells.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

Received EPA conditional approval of GE's February 2005 GMA 1 NAPL Monitoring Report for Fall 2004 (June 7, 2005).

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

GROUNDWATER MANAGEMENT AREA 1
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
NAPL Well Sampling	GMA1-15	5/31/05	NAPL	SGS	PCBs, VOC, SVOC, Specific Gravity, Viscosity	6/14/05
NAPL Well Sampling	GMA1-16	5/31/05	NAPL	SGS	PCBs, VOC, SVOC, Specific Gravity, Viscosity	6/14/05

TABLE 21-2
DATA RECEIVED DURING JUNE 2005

NAPL SAMPLING
GROUNDWATER MANAGEMENT AREA 1
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million, unless otherwise noted)

Parameter / Sample ID: / Date Collected:	GMA1-15 05/31/05	GMA1-16 05/31/05
Volatile Organics		
Chlorobenzene	310	2200
Ethylbenzene	ND(12)	51
Xylenes (total)	ND(12)	38
PCBs		
Aroclor-1260	1200	5500
Total PCBs	1200	5500
Semivolatile Organics		
1,2,4,5-Tetrachlorobenzene	ND(120)	41 J
1,2,4-Trichlorobenzene	ND(120)	500
1,2-Dichlorobenzene	ND(120)	13 J
1,3-Dichlorobenzene	14 J	220
1,4-Dichlorobenzene	18 J	480
2-Methylnaphthalene	ND(120)	570
Acenaphthene	200	810
Acenaphthylene	ND(120)	99 J
Anthracene	92 J	410
Benzo(a)anthracene	64 J	300
Benzo(a)pyrene	48 J	230
Benzo(b)fluoranthene	18 J	97 J
Benzo(g,h,i)perylene	15 J	82 J
Benzo(k)fluoranthene	33 J	150
Chrysene	65 J	270
Dibenzo(a,h)anthracene	ND(120)	13 J
Dibenzofuran	21 J	ND(120)
Fluoranthene	140	610
Fluorene	71 J	360
Indeno(1,2,3-cd)pyrene	ND(120)	54 J
Naphthalene	ND(120)	480
Pentachlorobenzene	ND(120)	66 J
Phenanthrene	240	1000
Pyrene	250	1200
Physical Parameters		
Kinematic Viscosity (cst)	13.31	13.59
Specific Gravity (unitless)	0.8560	0.7947

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of volatiles, PCBs, semivolatiles, kinematic viscosity, and specific gravity.
2. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
3. With the exception of Physical Parameters, only those constituents detected in one or more samples are summarized.

Data Qualifiers:

Organics (PCBs, volatiles, semivolatiles)

J - Indicates an estimated value less than the 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
June 2005

Caisson	Month	Volume LNAPL Collected (gallon)	Volume Water Recovered (gallon)	Percent Downtime
Northside	June 2004	4.3	28,500	
	July 2004	4.4	16,700	
	August 2004	2.0	16,300	
	September 2004	4.0	24,300	
	October 2004	0.0	25,000	0.30
	November 2004	0.0	18,300	0.31 - Power Outage
	December 2004	35.0	32,200	
	January 2005	2.0	32,600	
	February 2005	3.0	24,700	
	March 2005	1.0	34,700	
	April 2005	0.0	37,100	1.72 - Power Outage
	May 2005	20.0	16,300	
	June 2005	22.0	21,000	8.57 - Maintenance
Southside	June 2004	0.0	75,300	
	July 2004	4.4	67,100	
	August 2004	0.0	67,300	
	September 2004	0.0	102,700	
	October 2004	2.0	82,700	0.30
	November 2004	2.0	69,600	0.31 - Power Outage
	December 2005	4.0	98,300	
	January 2005	1.0	77,400	
	February 2005	1.0	76,500	
	March 2005	1.0	98,200	
	April 2005	0.0	99,900	1.72 - Power Outage
	May 2005	0.0	86,600	
	June 2005	2.0	100,300	

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
June 2005

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	June 2005 Removal (liters)
34	6/30/2005	6.19	6.18	0.01	0.006	0.006
72	6/30/2005	6.90	6.87	0.03	0.019	0.019

Total Manual LNAPL Removal for June 2005: 0.025 liters
0.007 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
June 2005

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
GMA 1 - East Street Area 1-North									
North Caisson	997.84	6/2/2005	16.44	16.43	0.01	---	19.80	0.00	981.41
North Caisson	997.84	6/8/2005	18.33	18.32	0.01	---	19.80	0.00	979.52
North Caisson	997.84	6/14/2005	18.30	18.28	0.02	---	19.80	0.00	979.56
North Caisson	997.84	6/21/2005	18.15	18.14	0.01	---	19.80	0.00	979.70
North Caisson	997.84	6/29/2005	18.25	18.24	0.01	---	19.80	0.00	979.60
GMA 1 - East Street Area 1-South									
31R	1,000.23	6/30/2005	9.45	---	0.00	---	15.05	0.00	990.78
33	999.50	6/30/2005	6.90	---	0.00	---	21.38	0.00	NA
34	999.90	6/30/2005	6.19	6.18	0.01	---	21.00	0.00	993.72
37R	988.79	6/30/2005	10.42	---	0.00	---	17.65	0.00	978.37
72	1000.62	6/30/2005	6.90	6.87	0.03	---	21.97	0.00	993.75
72R	1000.92	6/30/2005	6.78	---	0.00	---	13.30	0.00	994.14
80	989.98	6/30/2005	6.05	---	0.00	---	24.65	0.00	983.93
89	993.89	6/30/2005	2.40	---	0.00	---	9.00	0.00	991.49
90	987.65	6/30/2005	5.18	---	0.00	---	12.15	0.00	982.47
139R	986.91	6/30/2005	11.26	---	0.00	---	14.18	0.00	975.65
ES1-13	999.93	6/30/2005	6.48	---	0.00	---	12.41	0.00	993.45
ES1-23R	989.94	6/30/2005	2.98	---	0.00	---	16.09	0.00	986.96
ES1-24	990.61	6/30/2005	7.80	---	0.00	---	12.42	0.00	982.81
GMA1-7	985.81	6/30/2005	11.50	---	0.00	---	14.85	0.00	974.31
GMA1-18	998.29	6/30/2005	7.87	---	0.00	---	13.58	0.00	990.42
South Caisson	1001.11	6/2/2005	11.53	11.51	0.02	---	15.00	0.00	989.60
South Caisson	1001.11	6/8/2005	12.81	12.80	0.01	---	15.00	0.00	988.31
South Caisson	1001.11	6/14/2005	11.95	11.93	0.02	---	15.00	0.00	989.18
South Caisson	1001.11	6/21/2005	11.15	11.12	0.03	---	15.00	0.00	989.99
South Caisson	1001.11	6/29/2005	11.49	11.47	0.02	---	15.00	0.00	989.64

Notes:

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

TABLE 21-6
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
June 2005

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
40R	June 2004	0		
	July 2004	0		
	August 2004	0		
	September 2004	0		
	October 2004	0		0.30 - Power Outage
	November 2004	0		0.31 - Power Outage
	December 2004	0		
	January 2005	0		
	February 2005	0		
	March 2005	0		
	April 2005	0		1.72 - Power Outage
	May 2005	0		0.96 - Maintenance
	June 2005	0		0.36 - Power Outage
64R	June 2004	736	923,500	
	July 2004	380	693,900	
	August 2004	250	330,800	
	September 2004	350	675,600	
	October 2004	175	472,200	0.30 - Power Outage
	November 2004	150	566,100	0.31 - Power Outage
	December 2004	350	630,500	
	January 2005	575	357,900	
	February 2005	400	228,400	
	March 2005	175	292,400	
	April 2005	575	1,071,000	1.72 - Power Outage
	May 2005	550	931,300	0.96 - Maintenance
	June 2005	325	643,200	0.36 - Power Outage
64S System	June 2004	772	968,659	
	July 2004	154	349,705	
	August 2004	230	240,781	
	September 2004	479	681,275	
	October 2004	324	1,034,272	0.30 - Power Outage
	November 2004	625	902,053	0.31 - Power Outage
	December 2004	91	1,147,526	
	January 2005	75	844,225	
	February 2005	97	821,010	
	March 2005	282	905,525	
	April 2005	499	1,039,179	1.72 - Power Outage
	May 2005	300	660,761	0.96 - Maintenance
	June 2005	275	527,949	0.36 - Power Outage
64V [1]	June 2004	879	1,444,400	
	July 2004	773	940,100	
	August 2004	772	875,900	
	September 2004	1,170	1,385,900	
	October 2004	920	1,221,100	0.30 - Power Outage
	November 2004	551	1,108,200	0.31 - Power Outage
	December 2004	832	1,460,100	
	January 2005	747	1,103,300	
	February 2005	622	1,095,400	
	March 2005	675	1,342,900	
	April 2005	785	1,221,000	1.72 - Power Outage
	May 2005	254	996,400	0.96 - Maintenance
	June 2005	515	1,177,700	0.36 - Power Outage

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
June 2005

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
64X	June 2004	5	518,400	
	July 2004	10	403,200	
	August 2004	31	388,800	
	September 2004	51	518,400	
	October 2004	5	403,200	0.30 - Power Outage
	November 2004	10	388,800	0.31 - Power Outage
	December 2004	10	518,400	
	January 2005	5	388,800	
	February 2005	5	403,200	
	March 2005	5	532,800	
	April 2005	0	417,600	1.72 - Power Outage
	May 2005	0	374,400	0.96 - Maintenance
	June 2005	5	504,000	3.21 - Maint./Power Outage
RW-2(X)	June 2004	0	458,500	
	July 2004	0	1,029,700	
	August 2004	0	1,020,000	
	September 2004	0	1,138,800	0.93
	October 2004	0	911,800	0.30 - Power Outage
	November 2004	0	836,300	0.31 - Power Outage
	December 2004	0	1,111,700	
	January 2005	0	822,500	
	February 2005	0	825,200	
	March 2005	0	1,019,600	
	April 2005	0	859,500	1.72 - Power Outage
	May 2005	0	730,600	0.96 - Maintenance
	June 2005	0	972,100	3.21 - Maint./Power Outage
RW-1(S) [2]	June 2004	419	1,108,600	
	July 2004	196	669,474	
	August 2004	158	709,815	
	September 2004	159	914,647	9.72
	October 2004	1	1,092,740	0.30 - Power Outage
	November 2004	0	977,271	0.31 - Power Outage
	December 2004	11	1,362,634	0.35 - Maintenance
	January 2005	50	998,655	
	February 2005	41	934,203	
	March 2005	43	1,117,949	
	April 2005	1	864,198	22.41 - Maint./Power Outage
	May 2005	0	912,416	0.96 - Maintenance
	June 2005	0	1,107,860	0.36 - Power Outage
RW-1(X)	June 2004	5	453,900	
	July 2004	0	363,900	
	August 2004	0	473,200	
	September 2004	10	500,500	
	October 2004	0	501,400	0.30 - Power Outage
	November 2004	0	402,900	0.31 - Power Outage
	December 2004	0	443,700	4.17 - Maintenance
	January 2005	0	389,000	
	February 2005	0	330,400	
	March 2005	0	399,300	
	April 2005	0	354,700	1.72 - Power Outage
	May 2005	0	233,700	0.96 - Maintenance
	June 2005	0	328,300	3.21 - Maint./Power Outage

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
June 2005

Recovery System Location	Month	Oil Collected (gallon)	Water Recovered (gallon)	Percent Downtime
RW-3(X)	June 2004	169		
	July 2004	57		
	August 2004	47		
	September 2004	67		
	October 2004	52		0.30 - Power Outage
	November 2004	46		0.31 - Power Outage
	December 2004	66		
	January 2005	53		
	February 2005	37		
	March 2005	64		
	April 2005	53		1.72 - Power Outage
	May 2005	51		0.96 - Maintenance
	June 2005	62		0.36 - Power Outage

Summary of Total Automated Removal		
Water:	**5,261,109**	**Gallons**
LNAPL:	**1,120**	**Gallons**
DNAPL:	**62**	**Gallons**

Notes:

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

TABLE 21-7
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
June 2005

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	June 2005 Removal (liters)
13	6/15/2005	17.48	17.40	0.08	0.049	0.049
14	6/15/2005	17.65	17.62	0.03	0.019	0.019
25R	6/15/2005	24.41	19.85	4.56	2.875	2.875
26RR	6/15/2005	22.35	21.61	0.74	0.457	0.457
48	6/15/2005	17.50	15.65	1.85	1.141	1.141
55	6/15/2005	17.11	16.54	0.57	0.352	0.352
95-04	6/15/2005	16.70	14.22	2.48	0.385	0.385
95-07	6/15/2005	22.90	19.10	3.80	0.590	0.590
GMA1-15	6/15/2005	15.56	15.02	0.54	0.333	0.333
GMA1-16	6/15/2005	13.48	13.02	0.46	0.284	0.284
GMA1-17W	6/15/2005	17.20	15.25	1.95	1.203	1.203
GMA1-19	6/2/2005	10.79	10.32	0.47	0.290	2.222
	6/10/2005	11.18	10.61	0.57	0.352	
	6/15/2005	11.55	10.80	0.75	0.463	
	6/23/2005	11.53	10.46	1.07	0.660	
	7/1/2005	11.18	10.44	0.74	0.457	

Total LNAPL Removal East Street Area 2 - South for June 2005: 9.910 liters
2.615 gallons

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

Total LNAPL Removal 20's, 30's & 40's Complexs for June 2005: 0.000 liters
0.000 gallons

Total LNAPL Removal for June 2005: 9.910 liters
2.615 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
June 2005

Date	Housatonic River Discharge (gallons)	Recharge Pond Discharge (gallons)	Total Discharge (gallons)
June 2004	4,709,390	350,668	5,060,058
July 2004	4,585,370	316,805	4,902,175
August 2004	4,844,107	310,199	5,154,306
September 2004	5,075,190	248,505	5,323,695
October 2004	6,097,384	260,847	6,358,231
November 2004	5,521,300	180,462	5,701,762
December 2004	5,656,177	152,428	5,808,605
January 2005	5,650,380	112,791	5,763,171
February 2005	4,576,005	195,380	4,771,385
March 2005	5,005,313	235,153	5,240,466
April 2005	5,759,380	172,867	5,932,247
May 2005	4,962,650	288,751	5,251,401
June 2005	4,057,780	318,355	4,376,135

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
June 2005

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
30's Complex									
95-15	986.38	6/16/2005	8.42	---	0.00	---	16.65	0.00	977.96
GMA1-10	984.86	6/16/2005	7.75	---	0.00	---	19.75	0.00	977.11
GMA1-12	992.26	6/16/2005	16.32	---	0.00	---	22.13	0.00	975.94
RF-02	982.43	6/16/2005	5.90	---	0.00	---	18.30	0.00	976.53
RF-03	985.40	6/16/2005	9.65	---	0.00	---	18.44	0.00	975.75
RF-03D	985.31	6/16/2005	7.80	---	0.00	---	36.00	0.00	977.51
RF-16	987.91	6/16/2005	9.60	---	0.00	---	20.70	0.00	978.31
40s Complex									
95-17	1,007.67	6/16/2005	24.32	---	0.00	---	28.38	0.00	983.35
RF-4	1,011.99	6/16/2005	15.33	---	0.00	---	23.98	0.00	996.66
East Street Area 2-South									
13	990.88	6/15/2005	17.48	17.40	0.08	---	22.32	0.00	973.47
14	991.61	6/15/2005	17.65	17.62	0.03	---	25.72	0.00	973.99
19	983.59	6/2/2005	10.30	---	0.00	---	19.88	0.00	973.29
19	983.59	6/10/2005	10.36	---	0.00	---	19.86	0.00	973.23
19	983.59	6/15/2005	10.80	---	0.00	---	19.88	0.00	972.79
19	983.59	6/23/2005	10.51	---	0.00	---	19.80	0.00	973.08
19	983.59	7/1/2005	10.31	---	0.00	---	19.85	0.00	973.28
25R	998.31	6/15/2005	24.41	19.85	4.56	---	30.81	0.00	978.14
26RR	1,000.58	6/15/2005	22.35	21.61	0.74	---	28.53	0.00	978.92
40R	991.60	6/2/2005	17.15	---	0.00	---	25.00	0.00	974.45
40R	991.60	6/8/2005	15.90	---	0.00	---	25.00	0.00	975.70
40R	991.60	6/14/2005	17.70	---	0.00	---	25.00	0.00	973.90
40R	991.60	6/21/2005	17.57	---	0.00	---	25.00	0.00	974.03
40R	991.60	6/29/2005	16.40	---	0.00	---	25.00	0.00	975.20
48	992.39	6/15/2005	17.50	15.65	1.85	---	22.70	0.00	976.61
49R	988.71	6/15/2005	15.54	---	0.00	---	24.89	0.00	973.17
49RR	989.80	6/15/2005	16.60	---	0.00	---	23.06	0.00	973.20
55	989.45	6/15/2005	17.11	16.54	0.57	---	30.01	0.00	972.87
64R	993.37	6/2/2005	16.49	16.42	0.07	---	19.00	0.00	976.95
64R	993.37	6/8/2005	17.23	17.18	0.05	---	19.00	0.00	976.19
64R	993.37	6/14/2005	16.95	16.80	0.15	---	19.00	0.00	976.56
64R	993.37	6/21/2005	17.07	16.90	0.17	---	19.00	0.00	976.46
64R	993.37	6/29/2005	16.95	16.94	0.01	---	19.00	0.00	976.43
64S	984.48	6/2/2005	12.93	---	0.00	---	28.70	0.00	971.55
64S	984.48	6/8/2005	17.05	---	0.00	---	28.70	0.00	967.43
64S	984.48	6/14/2005	17.05	---	0.00	---	28.70	0.00	967.43
64S	984.48	6/21/2005	16.60	---	0.00	---	28.70	0.00	967.88
64S	984.48	6/29/2005	19.92	---	0.00	---	28.70	0.00	964.56
64S-Caisson	NA	6/2/2005	9.73	9.67	0.06	---	14.55	0.00	NA
64S-Caisson	NA	6/8/2005	9.80	9.71	0.09	---	14.55	0.00	NA
64S-Caisson	NA	6/14/2005	9.80	9.73	0.07	---	14.55	0.00	NA
64S-Caisson	NA	6/21/2005	10.00	9.80	0.20	---	14.55	0.00	NA

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

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
64S-Caisson	NA	6/29/2005	9.80	9.79	0.01	---	14.55	0.00	NA
64V	987.29	6/2/2005	21.80	21.30	0.50	---	29.60	0.00	965.96
64V	987.29	6/8/2005	21.70	21.40	0.30	P	29.60	< 0.01	965.87
64V	987.29	6/14/2005	21.50	21.20	0.30	P	29.60	< 0.01	966.07
64V	987.29	6/21/2005	21.90	21.40	0.50	---	29.60	0.00	965.86
64V	987.29	6/29/2005	21.90	21.40	0.50	P	29.60	< 0.01	965.86
64X(N)	984.83	6/2/2005	11.35	11.34	0.01	---	15.85	0.00	973.49
64X(N)	984.83	6/8/2005	12.13	12.11	0.02	---	15.85	0.00	972.72
64X(N)	984.83	6/14/2005	12.10	12.06	0.04	---	15.85	0.00	972.77
64X(N)	984.83	6/21/2005	10.42	10.40	0.02	---	15.85	0.00	974.43
64X(N)	984.83	6/29/2005	11.99	11.98	0.01	---	15.85	0.00	972.85
64X(S)	981.56	6/2/2005	13.95	P	< 0.01	---	23.82	0.00	967.61
64X(S)	981.56	6/8/2005	14.90	14.89	0.01	---	23.82	0.00	966.67
64X(S)	981.56	6/14/2005	14.80	14.78	0.02	---	23.82	0.00	966.78
64X(S)	981.56	6/21/2005	13.03	13.02	0.01	---	23.82	0.00	968.54
64X(S)	981.56	6/29/2005	14.70	14.68	0.02	---	23.82	0.00	966.88
64X(W)	984.87	6/2/2005	17.19	17.16	0.03	---	24.35	0.00	967.71
64X(W)	984.87	6/8/2005	18.15	18.12	0.03	---	24.35	0.00	966.75
64X(W)	984.87	6/14/2005	18.02	18.00	0.02	---	24.35	0.00	966.87
64X(W)	984.87	6/21/2005	16.25	16.23	0.02	---	24.35	0.00	968.64
64X(W)	984.87	6/29/2005	17.95	17.90	0.05	---	24.35	0.00	966.97
95-01	983.77	6/15/2005	10.09	---	0.00	---	17.20	0.00	973.68
95-04	988.70	6/15/2005	16.70	14.22	2.48	---	21.74	0.00	974.31
95-07	994.91	6/15/2005	22.90	19.10	3.80	---	29.55	0.00	975.54
3-6C-EB-22	986.94	6/15/2005	13.80	---	0.00	---	20.00	0.00	973.14
E2SC-03I	982.12	6/29/2005	9.02	---	0.00	38.90	42.44	3.54	973.10
E2SC-17	985.38	6/29/2005	11.48	---	0.00	45.50	45.75	0.25	973.90
E2SC-23	992.07	6/15/2005	16.86	---	0.00	---	21.14	0.00	975.21
E2SC-24	987.90	6/15/2005	15.61	---	0.00	---	21.63	0.00	972.29
ES2-06	986.00	6/15/2005	13.25	---	0.00	---	34.30	0.00	972.75
GMA1-13	991.41	6/15/2005	18.20	---	0.00	---	27.16	0.00	973.21
GMA1-14	997.43	6/15/2005	19.02	---	0.00	---	23.48	0.00	978.41
GMA1-15	988.59	6/15/2005	15.56	15.02	0.54	---	17.84	0.00	973.53
GMA1-16	986.82	6/15/2005	13.48	13.02	0.46	---	20.00	0.00	973.77
GMA1-17E	993.03	6/15/2005	15.60	---	0.00	---	17.30	0.00	977.43
GMA1-17W	992.63	6/15/2005	17.20	15.25	1.95	---	23.20	0.00	977.24
GMA1-19	984.28	6/2/2005	10.79	10.32	0.47	---	17.20	0.00	973.93
GMA1-19	984.28	6/10/2005	11.18	10.61	0.57	---	17.14	0.00	973.63
GMA1-19	984.28	6/15/2005	11.55	10.80	0.75	---	17.13	0.00	973.43
GMA1-19	984.28	6/23/2005	11.53	10.46	1.07	---	17.13	0.00	973.75
GMA1-19	984.28	7/1/2005	11.18	10.44	0.74	---	17.14	0.00	973.79
GMA1-20	983.49	6/2/2005	9.86	---	0.00	---	17.30	0.00	973.63
GMA1-20	983.49	6/10/2005	10.05	---	0.00	---	17.30	0.00	973.44
GMA1-20	983.49	6/15/2005	10.38	---	0.00	---	17.28	0.00	973.11

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
June 2005

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
GMA1-20	983.49	6/23/2005	10.11	---	0.00	---	17.29	0.00	973.38
GMA1-20	983.49	7/1/2005	10.00	---	0.00	---	17.30	0.00	973.49
GMA1-21	985.68	6/2/2005	11.97	---	0.00	---	19.55	0.00	973.71
GMA1-21	985.68	6/10/2005	12.21	---	0.00	---	19.53	0.00	973.47
GMA1-21	985.68	6/15/2005	12.43	---	0.00	---	19.54	0.00	973.25
GMA1-21	985.68	6/23/2005	12.18	---	0.00	---	19.54	0.00	973.50
GMA1-21	985.68	7/1/2005	12.10	---	0.00	---	19.54	0.00	973.58
HR-G2-MW-1	982.60	6/15/2005	10.55	---	0.00	---	18.21	0.00	972.05
HR-G2-MW-2	981.39	6/15/2005	8.39	---	0.00	---	17.67	0.00	973.00
HR-G2-MW-3	987.14	6/15/2005	14.50	---	0.00	---	22.00	0.00	972.64
HR-G2-RW-1	976.88	6/15/2005	6.13	6.12	0.01	---	18.67	0.00	972.31
RW-1(S)	987.23	6/2/2005	18.90	---	0.00	---	28.60	0.00	968.33
RW-1(S)	987.23	6/8/2005	19.70	P	< 0.01	---	28.60	0.00	967.53
RW-1(S)	987.23	6/14/2005	18.80	18.78	0.02	P	28.60	< 0.01	968.45
RW-1(S)	987.23	6/21/2005	19.05	19.00	0.05	---	28.60	0.00	968.23
RW-1(S)	987.23	6/29/2005	19.20	19.10	0.10	---	28.60	0.00	968.12
RW-1(X)	982.68	6/2/2005	13.90	---	0.00	---	20.80	0.00	968.78
RW-1(X)	982.68	6/8/2005	13.91	---	0.00	---	20.80	0.00	968.77
RW-1(X)	982.68	6/14/2005	13.75	---	0.00	---	20.80	0.00	968.93
RW-1(X)	982.68	6/21/2005	13.85	---	0.00	---	20.80	0.00	968.83
RW-1(X)	982.68	6/29/2005	14.10	---	0.00	---	20.80	0.00	968.58
RW-2(X)	985.96	6/2/2005	12.80	---	0.00	---	15.30	0.00	973.16
RW-2(X)	985.96	6/8/2005	13.67	---	0.00	---	15.30	0.00	972.29
RW-2(X)	985.96	6/14/2005	13.50	---	0.00	---	15.30	0.00	972.46
RW-2(X)	985.96	6/21/2005	11.40	---	0.00	---	15.30	0.00	974.56
RW-2(X)	985.96	6/29/2005	14.20	---	0.00	---	15.30	0.00	971.76
RW-3(X)	980.28	6/2/2005	8.20	---	0.00	41.90	44.40	2.50	972.08
RW-3(X)	980.28	6/8/2005	9.71	---	0.00	42.30	44.40	2.10	970.57
RW-3(X)	980.28	6/14/2005	8.60	---	0.00	41.80	44.40	2.60	971.68
RW-3(X)	980.28	6/21/2005	8.20	---	0.00	41.70	44.40	2.70	972.08
RW-3(X)	980.28	6/29/2005	8.60	---	0.00	41.80	44.40	2.60	971.68
Housatonic River									
SG-HR-1	990.73	6/2/2005	18.94	See Note 6 regarding depth to water					971.79
SG-HR-1	990.73	6/10/2005	17.38	See Note 6 regarding depth to water					973.35
SG-HR-1	990.73	6/16/2005	19.55	See Note 6 regarding depth to water					971.18
SG-HR-1	990.73	6/23/2005	19.65	See Note 6 regarding depth to water					971.08
SG-HR-1	990.73	6/30/2005	17.90	See Note 6 regarding depth to water					972.83

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
June 2005

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)

Notes:

1. ft BMP - feet Below Measuring Point.
2. --- indicates LNAPL or DNAPL was not present in a measurable quantity.
3. NA indicates information not available.
4. P indicates that LNAPL is present at a thickness that is < 0.01 feet, the corresponding thickness is recorded as such.
5. 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.
6. 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
7. Weighted bailers have been installed at wells E2SC-03I and E2SC-17. The DNAPL thickness reported is that measured within the well.

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
June 2005

Month / Year	Volume Water Pumped (gallon)	RW-1 DNAPL Recovered (gallon)	RW-1R LNAPL Recovered (gallon)	RW-3 LNAPL Recovered (gallon)
June 2003	266,987	--	--	10
July 2003	244,776	--	--	10
August 2003	290,984	--	--	10
September 2003	309,162	--	--	20
October 2003	485,653	--	--	20
November 2003	363,979	--	--	10
December 2003	490,517	--	--	--
January 2004	299,584	--	--	--
February 2004	305,485	--	--	--
March 2004	409,514	--	--	--
April 2004	344,707	--	--	1
May 2004	307,361	--	--	--
June 2004	410,230	--	--	--
July 2004	328,363	--	--	--
August 2004	310,473	--	--	--
September 2004	499,209	--	1	20
October 2004	426,078	--	--	--
November 2004	421,409	--	--	12
December 2004	539,528	--	--	10
January 2005	443,634	--	--	10
February 2005	409,113	--	--	5
March 2005	455,192	--	--	5
April 2005	425,145	--	--	5
May 2005	357,497	--	--	--
June 2005	422,006	--	--	10

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

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
June 2005

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	June 2005 Removal (liters)
LS-30	6/29/2005	13.40	21.60	0.60	0.370	0.370
LSSC-07	6/2/2005	9.45	24.80	0.28	0.173	0.824
	6/10/2005	9.40	24.60	0.48	0.296	
	6/16/2005	10.05	24.85	0.23	0.142	
	6/23/2005	9.98	24.75	0.33	0.204	
	6/29/2005	9.41	24.90	0.18	0.009	
LSSC-08I	6/2/2005	10.90	23.29	0.07	0.043	0.043

Total Manual DNAPL Removal for June 2005: 1.237 liters
0.326 gallons

Note:
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
June 2005

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
E-07	982.87	6/22/2005	7.08	---	0.00	---	19.74	0.00	975.79
EPA-01	983.04	6/22/2005	10.30	---	0.00	---	22.66	0.00	972.74
LS-24	986.58	6/22/2005	13.10	---	0.00	---	15.20	0.00	973.48
LS-30	986.440	6/29/2005	13.40	---	0.000	21.60	22.20	0.60	973.04
LS-31	987.090	6/29/2005	13.42	---	0.000	22.92	23.32	0.40	973.67
LS-38	986.95	6/29/2005	14.26	---	0.00	---	25.05	0.00	972.69
LS-44	980.78	6/22/2005	7.90	---	0.00	---	24.78	0.00	972.88
LSSC-07	982.48	6/2/2005	9.45	---	0.00	24.80	25.08	0.28	973.03
LSSC-07	982.48	6/10/2005	9.40	---	0.00	24.60	25.08	0.48	973.08
LSSC-07	982.48	6/16/2005	10.05	---	0.00	24.85	25.08	0.23	972.43
LSSC-07	982.48	6/23/2005	9.98	---	0.00	24.75	25.08	0.33	972.50
LSSC-07	982.48	6/29/2005	9.41	---	0.00	24.90	25.08	0.18	973.07
LSSC-08I	983.13	6/2/2005	10.90	---	0.00	23.29	23.36	0.07	972.23
LSSC-08I	983.13	6/10/2005	10.43	---	0.00	---	23.38	0.00	972.70
LSSC-08I	983.13	6/16/2005	11.55	---	0.00	---	23.38	0.00	971.58
LSSC-08I	983.13	6/23/2005	11.48	---	0.00	---	23.38	0.00	971.65
LSSC-08I	983.13	6/29/2005	10.50	---	0.00	---	23.38	0.00	972.63
LSSC-08S	983.11	6/22/2005	10.52	---	0.00	---	14.68	0.00	972.59
LSSC-16I	980.88	6/29/2005	7.80	---	0.00	---	28.54	0.00	973.08
LSSC-18	987.32	6/22/2005	13.70	---	0.00	---	18.58	0.00	973.62
LSSC-32	980.68	6/22/2005	7.62	---	0.00	---	35.22	0.00	973.06
LSSC-33	980.49	6/22/2005	7.45	---	0.00	---	29.75	0.00	973.04
MW-6R	985.14	6/22/2005	10.28	---	0.00	---	13.92	0.00	974.86
RW-1	984.88	6/2/2005	11.80	---	0.00	---	21.00	0.00	973.08
RW-1	984.88	6/8/2005	12.30	---	0.00	P	21.00	< 0.01	972.58
RW-1	984.88	6/14/2005	12.25	---	0.00	P	21.00	< 0.01	972.63
RW-1	984.88	6/21/2005	11.50	---	0.00	---	21.00	0.00	973.38
RW-1	984.88	6/29/2005	12.20	---	0.00	P	21.00	< 0.01	972.68
RW-1 (R)	985.07	6/2/2005	15.60	---	0.00	---	20.42	0.00	969.47
RW-1 (R)	985.07	6/8/2005	15.60	15.59	0.01	P	20.42	< 0.01	969.48
RW-1 (R)	985.07	6/14/2005	15.80	P	< 0.01	20.32	20.42	0.10	969.27
RW-1 (R)	985.07	6/21/2005	15.36	P	< 0.01	19.70	20.42	0.72	969.71
RW-1 (R)	985.07	6/29/2005	15.70	---	0.00	20.12	20.42	0.30	969.37
RW-2	987.82	6/2/2005	16.00	---	0.00	---	21.75	0.00	971.82
RW-2	987.82	6/8/2005	20.02	---	0.00	---	21.75	0.00	967.80
RW-2	987.82	6/14/2005	15.00	---	0.00	---	21.75	0.00	972.82
RW-2	987.82	6/21/2005	12.40	---	0.00	---	21.75	0.00	975.42
RW-2	987.82	6/29/2005	10.25	---	0.00	---	21.75	0.00	977.57
RW-3	984.08	6/2/2005	16.80	16.60	0.20	---	21.57	0.00	967.47
RW-3	984.08	6/8/2005	16.70	16.30	0.40	---	21.57	0.00	967.75
RW-3	984.08	6/14/2005	16.60	16.50	0.10	---	21.57	0.00	967.57
RW-3	984.08	6/21/2005	16.80	16.70	0.10	---	21.57	0.00	967.37
RW-3	984.08	6/29/2005	16.41	16.39	0.02	---	21.57	0.00	967.69

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

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
Housatonic River (Lyman Street Bridge)									
BM-2A	986.32	6/2/2005	14.55	See Note 4 regarding depth to water					971.77
BM-2A	986.32	6/10/2005	13.35	See Note 4 regarding depth to water					972.97
BM-2A	986.32	6/16/2005	15.20	See Note 4 regarding depth to water					971.12
BM-2A	986.32	6/23/2005	15.30	See Note 4 regarding depth to water					971.02
BM-2A	986.32	6/30/2005	13.82	See Note 4 regarding depth to water					972.50

Notes:

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

TABLE 21-13
ACTIVE DNAPL RECOVERY SYSTEMS MONTHLY SUMMARY
NEWELL STREET AREA II
GROUNDWATER MANAGEMENT AREA 1

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

Recovery System	Date	Total Gallons Recovered
System 1 [(1)]	June 2004	16.5
	July 2004	14.3
	August 2004	14.6
	September 2004	16.5
	October 2004	11.0
	November 2004	15.4
	December 2004	15.4
	January 2005 [(3)]	8.8
	February 2005	13.2
	March 2005	17.3
	April 2005	24.2
	May 2005	9.9
	June 2005	18.7
System 2 [(2)]	June 2004	97.2
	July 2004	16.2
	August 2004	226.0
	September 2004	129.6
	October 2004	78.2
	November 2004	81.0
	December 2004	64.8
	January 2005 [(3)]	157.2
	February 2005	126.9
	March 2005	16.2
	April 2005	16.2
	May 2005	145.8
	June 2005	32.4
Total Automated DNAPL Removal for June 2005:		**51.1 Gallons**

Notes:

1. System 1 wells are NS-15, NS-30, and NS-32.
2. System 2 wells are N2SC-01I, N2SC-03I, and N2SC-14.
3. In January 2005, System 2 malfunctioned during weeks 2 and 3 pumping mostly water. The volume reported for those two weeks is an estimated quantity that was included in the total volume removed.
4. There was approximately 24 hours downtime for both systems in June 2005.

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
June 2005

Well Name	Date	Depth to Water (ft BMP)	Depth to DNAPL (ft BMP)	DNAPL Thickness (feet)	DNAPL Removed (liters)	June 2005 Removal (liters)
N2SC-07	6/29/2005	11.69	38.02	0.13	0.080	0.080
N2SC-08	6/29/2005	12.25	40.90	1.68	1.036	1.036

Total DNAPL Removal for June 2005: 1.116 liters
0.294 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
June 2005

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
N2SC-02	985.56	6/29/2005	12.50	---	0.00	---	40.45	0.00	973.06
N2SC-07	984.61	6/29/2005	11.69	---	0.00	38.02	38.15	0.13	972.92
N2SC-08	986.07	6/29/2005	12.25	---	0.00	40.90	42.58	1.68	973.82

Notes:

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

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

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
Monitoring Wells Adjacent to Silver Lake									
SLGW-01D	983.13	6/30/2005	4.72	---	0.00	---	36.98	0.00	978.41
SLGW-01S	982.94	6/30/2005	6.71	---	0.00	---	16.24	0.00	976.23
SLGW-02D	985.10	6/30/2005	7.55	---	0.00	---	36.84	0.00	977.55
SLGW-02S	985.39	6/30/2005	8.21	---	0.00	---	16.76	0.00	977.18
SLGW-03D	979.14	6/30/2005	1.55	---	0.00	---	32.05	0.00	977.59
SLGW-03S	980.21	6/30/2005	3.90	---	0.00	---	14.60	0.00	976.31
SLGW-04D	983.51	6/30/2005	6.44	---	0.00	---	37.10	0.00	977.07
SLGW-04S	984.02	6/30/2005	7.65	---	0.00	---	16.68	0.00	976.37
SLGW-05D	979.30	6/30/2005	3.30	---	0.00	---	34.90	0.00	976.00
SLGW-05S	979.12	6/30/2005	2.92	---	0.00	---	11.66	0.00	976.20
SLGW-06D	981.63	6/30/2005	5.75	---	0.00	---	34.98	0.00	975.88
SLGW-06S	981.66	6/30/2005	5.45	---	0.00	---	13.75	0.00	976.21
Staff Gauge within Silver Lake									
Silver Lake Gauge	NA	6/2/2005	4.51	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	6/10/2005	4.60	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	6/16/2005	4.51	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	6/23/2005	4.53	See Note 4 regarding depth to water					NA
Silver Lake Gauge	NA	6/30/2005	4.16	See Note 4 regarding depth to water					NA

Notes:

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

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

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

a. Activities Undertaken/Completed

Conducted monthly river elevation monitoring.

b. Sampling/Test Results Received

See attached table.

c. Work Plans/Reports/Documents Submitted

None

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

Conduct monthly river elevation monitoring.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 22-1
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 2

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
Housatonic River (Foot Bridge)									
GMA2-SG-1	989.82	6/30/2005	15.69	See Note 2 regarding depth to water					974.13

Notes:

1. ft BMP - feet Below Measuring Point.
2. A survey reference point was established on the Oxbow J & K foot bridge. The "Depth to Water" value(s) provided in the above table refer to the vertical distance from the surveyed reference point to the water surface.

ITEM 23
GROUNDWATER MANAGEMENT AREAS
PLANT SITE 2 (GMA 3)
(GECD330)
JUNE 2005

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

a. Activities Undertaken/Completed

Conducted routine groundwater elevation monitoring and NAPL monitoring/removal activities. Approximately 13.64 liters (3.6 gallons) of LNAPL were removed by the automatic skimmer located in well 51-21 and 11.81 additional liters (3.1 gallons) of LNAPL were manually removed from the wells in this area (see Table 23-3).

b. Sampling/Test Results Received

See attached tables.

c. Work Plans/Reports/Documents Submitted

None

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

- Continue ongoing groundwater and NAPL monitoring and recovery activities.
- Inspect manholes along Plastics Avenue for the presence of LNAPL (see Item 23.f).
- Continue preparation of spring 2005 monitoring report.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

LNAPL was observed in monitoring well GMA3-13 during the initial monitoring round on April 19, 2005. The LNAPL was removed from the well and EPA and MDEP were contacted regarding this observation. Per the Plant Site NAPL monitoring protocols, this well has been monitored on a weekly basis. GE will also perform a visual inspection of the sanitary sewer line in this area at manholes located along Plastics Avenue, including sampling of water, NAPL, and/or sediment if NAPL is observed during these inspections. GE will evaluate additional potential response actions and, if any are determined to be warranted, will submit a proposal for EPA approval.

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

GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
NAPL Sampling	51-8	5/19/05	Oil	SGS	VOC	6/3/05

TABLE 23-2
DATA RECEIVED DURING JUNE 2005

NAPL SAMPLING
GROUNDWATER MANAGEMENT AREA 3
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in parts per million)

Parameter	Sample ID: / Date Collected:	51-8 / 05/19/05
Volatile Organics		
1,2,4-Trichlorobenzene		17
Naphthalene		3.8 J
Trichloroethene		6.1

Notes:

1. Sample was collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of volatiles, 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, and Naphthalene.
2. Only detected constituents are summarized.

Data Qualifiers:

Organics (volatiles)

J - Indicates an estimated value less than the 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
June 2005

Well Name	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	LNAPL Removed (liters)	June 2005 Removal (liters)
51-08	6/16/2005	11.30	10.82	0.48	0.296	1.425
	6/23/2005	11.40	10.75	0.65	0.401	
	6/28/2005	12.08	10.90	1.18	0.728	
51-21	6/2/2005	15.60	P	< 0.01	3.411	13.644
	6/8/2005	15.10	P	< 0.01	2.274	
	6/14/2005	15.25	P	< 0.01	2.274	
	6/21/2005	15.15	P	< 0.01	2.274	
	6/29/2005	15.46	P	< 0.01	3.411	
59-03R	6/28/2005	12.52	11.41	1.11	0.685	0.685
GMA3-10	6/2/2005	11.45	10.70	0.75	0.463	2.216
	6/10/2005	11.60	10.90	0.70	0.432	
	6/16/2005	11.72	11.02	0.70	0.432	
	6/23/2005	11.74	11.06	0.68	0.420	
	6/28/2005	11.94	11.18	0.76	0.469	
GMA3-12	6/2/2005	11.61	11.06	0.55	1.359	7.068
	6/10/2005	11.85	11.26	0.59	1.458	
	6/16/2005	12.02	11.42	0.60	1.483	
	6/23/2005	11.95	11.43	0.52	1.285	
	6/28/2005	12.10	11.50	0.60	1.483	
GMA3-13	6/2/2005	11.20	10.90	0.30	0.185	0.420
	6/10/2005	11.22	11.10	0.12	0.185	
	6/16/2005	10.27	10.24	0.03	0.019	
	6/23/2005	11.35	11.30	0.05	0.031	

Total Automated LNAPL Removal at well 51-21 for June 2005: 13.644 liters
3.60 Gallons

Total Manual LNAPL Removal at all other wells for June 2005: 11.814 liters
3.12 Gallons

Total LNAPL Removed for June 2005: 25.458 liters
6.72 Gallons

Notes:

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

TABLE 23-4
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 3

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
51-05	996.44	#######	5.95	5.93	0.02	---	12.54	0.00	990.51
51-06	997.36	#######	10.90	---	0.00	---	14.60	0.00	986.46
51-07	997.08	#######	10.60	---	0.00	---	11.20	0.00	986.48
51-08	997.08	6/2/2005	10.56	10.51	0.05	---	14.66	0.00	986.57
51-08	997.08	#######	10.85	10.75	0.10	---	14.66	0.00	986.32
51-08	997.08	#######	11.30	10.82	0.48	---	14.66	0.00	986.23
51-08	997.08	#######	11.40	10.75	0.65	---	14.65	0.00	986.28
51-08	997.08	#######	12.08	10.90	1.18	---	14.65	0.00	986.10
51-09	997.70	#######	10.85	---	0.00	---	11.57	0.00	986.85
51-11	994.37	#######	8.49	---	0.00	---	13.44	0.00	985.88
51-12	996.55	#######	7.53	---	0.00	---	13.30	0.00	989.02
51-13	997.42	#######	DRY	---	0.00	---	10.02	0.00	987.40
51-14	996.77	#######	10.66	---	0.00	---	14.98	0.00	986.11
51-15	996.43	#######	10.11	---	0.00	---	14.48	0.00	986.32
51-16R	996.39	#######	10.50	10.30	0.20	---	14.55	0.00	986.08
51-17	996.43	#######	Paved over						NA
51-18	997.12	#######	11.10	---	0.00	---	12.60	0.00	986.02
51-19	996.43	#######	Submerged in large puddle of rain water					0.00	NA
51-21	1001.49	6/2/2005	15.60	P	< 0.01	---	NM	0.00	985.89
51-21	1001.49	6/8/2005	15.10	P	< 0.01	---	NM	0.00	986.39
51-21	1001.49	#######	15.25	P	< 0.01	---	NM	0.00	986.24
51-21	1001.49	#######	15.15	P	< 0.01	---	NM	0.00	986.34
51-21	1001.49	#######	15.46	P	< 0.01	---	NM	0.00	986.03
59-01	997.52	#######	11.32	---	0.00	---	11.35	0.00	986.20
59-03R	997.64	#######	12.52	11.41	1.11	---	17.05	0.00	986.15
59-07	997.96	#######	11.75	11.73	0.02	---	23.52	0.00	986.23
GMA3-10	997.54	6/2/2005	11.45	10.70	0.75	---	18.00	0.00	986.79
GMA3-10	997.54	#######	11.60	10.90	0.70	---	18.00	0.00	986.59
GMA3-10	997.54	#######	11.72	11.02	0.70	---	18.00	0.00	986.47
GMA3-10	997.54	#######	11.74	11.06	0.68	---	18.00	0.00	986.43
GMA3-10	997.54	#######	11.94	11.18	0.76	---	18.00	0.00	986.31
GMA3-11	997.25	#######	10.65	---	0.00	---	18.40	0.00	986.60
GMA3-12	997.84	6/2/2005	11.61	11.06	0.55	---	21.23	0.00	986.74
GMA3-12	997.84	#######	11.85	11.26	0.59	---	21.24	0.00	986.54
GMA3-12	997.84	#######	12.02	11.42	0.60	---	21.24	0.00	986.38
GMA3-12	997.84	#######	11.95	11.43	0.52	---	21.25	0.00	986.37
GMA3-12	997.84	#######	12.10	11.50	0.60	---	21.24	0.00	986.30
GMA3-13	997.73	6/2/2005	11.20	10.90	0.30	---	17.82	0.00	986.81
GMA3-13	997.73	#######	11.22	11.10	0.12	---	17.80	0.00	986.62
GMA3-13	997.73	#######	10.27	10.24	0.03	---	17.84	0.00	987.49
GMA3-13	997.73	#######	11.35	11.30	0.05	---	17.81	0.00	986.43
GMA3-13	997.73	#######	11.43	---	0.00	---	17.81	0.00	986.30
GMA3-14	997.42	#######	10.98	---	0.00	---	17.04	0.00	986.44
UB-MW-10	995.99	#######	9.75	---	0.00	---	15.65	0.00	986.24
UB-PZ-3	998.15	#######	12.18	12.00	0.18	---	13.40	0.00	986.14

TABLE 23-4
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 3

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

Notes:

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

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

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

a. Activities Undertaken/Completed

Conducted routine groundwater elevation monitoring at well GMA4-3.

b. Sampling/Test Results Received

See attached table.

c. Work Plans/Reports/Documents Submitted

None

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

- Continue routine monitoring at well GMA4-3.
- Continue preparation of spring 2005 monitoring report.

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

TABLE 24-1
ROUTINE WELL MONITORING
GROUNDWATER MANAGEMENT AREA 4

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

Well Name	Measuring Point Elev. (feet)	Date	Depth to Water (ft BMP)	Depth to LNAPL (ft BMP)	LNAPL Thickness (feet)	Depth to DNAPL (ft BMP)	Total Depth (ft BMP)	DNAPL Thickness (feet)	Corrected Water Elev. (feet)
GMA4-3	1,003.95	6/22/2005	17.48	---	0.00	---	26.25	0.00	986.47

Notes:

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

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

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

a. Activities Undertaken/Completed

None

b. Sampling/Test Results Received

None

c. Work Plans/Reports/Documents Submitted

None

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

None

e. General Progress/Unresolved Issues/Potential Schedule Impacts

No issues

f. Proposed/Approved Work Plan Modifications

None

Attachment A

NPDES Sampling Records and Results
June 2005

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

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

NPDES PERMIT MONITORING
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
NPDES Sampling	001-A6513	6/6/05	Water	SGS		6/14/05
NPDES Sampling	001-A6515	6/6/05	Water	SGS	PCB	6/14/05
NPDES Sampling	001-A6525	6/7/05	Water	SGS	TSS	6/10/05
NPDES Sampling	005-A6509/A6510	5/31/05	Water	SGS	PCB	6/7/05
NPDES Sampling	005-A6526/A6527	6/7/05	Water	SGS	PCB, TSS, BOD	6/14/05
NPDES Sampling	005-A6545/A6546	6/14/05	Water	SGS	PCB	6/24/05
NPDES Sampling	005-A6555/A6556	6/21/05	Water	SGS	PCB	6/29/05
NPDES Sampling	005-A6570/A6571	6/28/05	Water	SGS	PCB	
NPDES Sampling	05B-A6538	6/14/05	Water	SGS	Oil & Grease	6/24/05
NPDES Sampling	05B-A6540	6/14/05	Water	SGS	PCB	6/24/05
NPDES Sampling	06A-A6541	6/14/05	Water	SGS	Oil & Grease	6/24/05
NPDES Sampling	06A-A6543	6/14/05	Water	SGS	PCB	6/24/05
NPDES Sampling	09B-A6503	5/29/05	Water	SGS	TSS	6/7/05
NPDES Sampling	09B-A6511	5/31/05	Water	SGS	BOD	6/7/05
NPDES Sampling	09B-A6512	6/5/05	Water	SGS	TSS	6/14/05
NPDES Sampling	09B-A6520	6/6/05	Water	SGS	BOD	6/14/05
NPDES Sampling	09B-A6547	6/14/05	Water	SGS	TSS, BOD	6/24/05
NPDES Sampling	09B-A6548	6/19/05	Water	SGS	TSS	Cancelled
NPDES Sampling	09B-A6553	6/20/05	Water	SGS	BOD	Cancelled
NPDES Sampling	09B-A6564	6/23/05	Water	SGS	TSS, BOD	6/29/05
NPDES Sampling	09B-A6572	6/28/05	Water	SGS	TSS, BOD	
NPDES Sampling	09C-A6501	5/29/05	Water	SGS	Oil & Grease	6/7/05
NPDES Sampling	09C-A6523	6/6/05	Water	SGS	Oil & Grease	6/14/05
NPDES Sampling	09C-A6536	6/14/05	Water	SGS	Oil & Grease	6/24/05
NPDES Sampling	09C-A6558	6/22/05	Water	SGS	Oil & Grease	6/29/05
NPDES Sampling	09C-A6573	6/28/05	Water	SGS	Oil & Grease	
NPDES Sampling	64G-A6506	5/30/05	Water	SGS	Oil & Grease	6/7/05
NPDES Sampling	64G-A6518	6/6/05	Water	SGS	Oil & Grease	6/14/05
NPDES Sampling	64G-A6534	6/13/05	Water	SGS	Oil & Grease	6/24/05
NPDES Sampling	64G-A6551	6/20/05	Water	SGS	Oil & Grease	Cancelled
NPDES Sampling	64G-A6562	6/22/05	Water	SGS	Oil & Grease	6/29/05
NPDES Sampling	64G-A6567	6/27/05	Water	SGS	Oil & Grease	
NPDES Sampling	64T-A6504	5/30/05	Water	SGS	Oil & Grease	6/7/05
NPDES Sampling	64T-A6516	6/6/05	Water	SGS	Oil & Grease	6/14/05

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

NPDES PERMIT MONITORING
GENERAL ELECTRIC COMPANY - PITTSFIELD MASSACHUSETTS

Project Name	Field Sample ID	Sample Date	Matrix	Laboratory	Analyses	Date Received
NPDES Sampling	64T-A6532	6/13/05	Water	SGS	Oil & Grease	6/24/05
NPDES Sampling	64T-A6549	6/20/05	Water	SGS	Oil & Grease	Cancelled
NPDES Sampling	64T-A6560	6/22/05	Water	SGS	Oil & Grease	6/29/05
NPDES Sampling	64T-A6565	6/27/05	Water	SGS	Oil & Grease	
NPDES Sampling	A6521R	6/8/05	Water	SGS	Acute Toxicity Test	6/28/05
NPDES Sampling	A6521RCN	6/8/05	Water	SGS	CN	6/14/05
NPDES Sampling	A6521RTM	6/8/05	Water	SGS	Metals (10)	6/14/05
NPDES Sampling	A6522C	6/8/05	Water	SGS	Acute Toxicity Test	6/28/05
NPDES Sampling	A6522CCN	6/8/05	Water	SGS	CN	6/14/05
NPDES Sampling	A6522CDM	6/8/05	Water	SGS	Filtered Metals (8)	6/14/05
NPDES Sampling	A6522CTM	6/8/05	Water	SGS	Metals (10)	6/14/05
NPDES Sampling	JUL05WK1	6/28/05	Water	SGS	Cu, Pb, Zn	
NPDES Sampling	JUN05WK1	5/31/05	Water	SGS	Cu, Pb, Zn	6/7/05
NPDES Sampling	JUN05WK3	6/14/05	Water	SGS	Cu, Pb, Zn	6/24/05
NPDES Sampling	JUN05WK4	6/21/05	Water	SGS	Cu, Pb, Zn	6/29/05

TABLE A-2
DATA RECEIVED DURING JUNE 2005

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

Parameter / Sample ID: / Date Collected:	001-A6513 06/06/05	001-A6515 06/06/05	001-A6525 06/07/05	005-A6509/A6510 05/31/05	005-A6526/A6527 06/07/05	005-A6545/A6546 06/14/05	005-A6555/A6556 06/21/05
PCBs-Unfiltered							
Aroclor-1254	NA	0.000033 J	NA	ND(0.000065)	ND(0.000065)	0.00022	ND(0.000065)
Aroclor-1260	NA	ND(0.000065)	NA	ND(0.000065)	ND(0.000065)	0.00038	ND(0.000065)
Total PCBs	NA	0.000033 J	NA	ND(0.000065)	ND(0.000065)	0.00060	ND(0.000065)
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	ND(2.0)	NA	NA
Oil & Grease	3.1 B	NA	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	41.0	NA	ND(5.00)	NA	NA

TABLE A-2
DATA RECEIVED DURING JUNE 2005

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

Parameter / Sample ID: / Date Collected:	05B-A6538 06/14/05	05B-A6540 06/14/05	06A-A6541 06/14/05	06A-A6543 06/14/05	09B-A6503 05/29/05	09B-A6511 05/31/05	09B-A6512 06/05/05	09B-A6520 06/06/05
PCBs-Unfiltered								
Aroclor-1254	NA	0.0014	NA	ND(0.000065)	NA	NA	NA	NA
Aroclor-1260	NA	0.0028	NA	ND(0.000065)	NA	NA	NA	NA
Total PCBs	NA	0.0042	NA	ND(0.000065)	NA	NA	NA	NA
Inorganics-Unfiltered								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals								
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	ND(2.0)	NA	ND(2.0)
Oil & Grease	3.1 B	NA	ND(5.0)	NA	NA	NA	NA	NA
Total Suspended Solids	NA	NA	NA	NA	5.00	NA	5.00	NA

TABLE A-2
DATA RECEIVED DURING JUNE 2005

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

Parameter / Sample ID: / Date Collected:	09B-A6547 06/14/05	09B-A6564 06/23/05	09C-A6501 05/29/05	09C-A6523 06/06/05	09C-A6536 06/14/05	09C-A6558 06/22/05	64G-A6506 05/30/05	64G-A6518 06/06/05
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	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Inorganics-Filtered								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals								
Biological Oxygen Demand (5-day)	4.2	2.8	NA	NA	NA	NA	NA	NA
Oil & Grease	NA	NA	0.60 B	1.0 B	2.2 B	1.9 B	0.80 B	0.90 B
Total Suspended Solids	34.0	11.0	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING JUNE 2005

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

Parameter / Sample ID: / Date Collected:	64G-A6534 06/13/05	64G-A6562 06/22/05	64T-A6504 05/30/05	64T-A6516 06/06/05	64T-A6532 06/13/05	64T-A6560 06/22/05	A6521RCN 06/08/05	A6521RTM 06/08/05
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	NA	NA	NA	ND(0.100)
Cadmium	NA	NA	NA	NA	NA	NA	NA	ND(0.00100)
Calcium	NA	NA	NA	NA	NA	NA	NA	21.0
Chromium	NA	NA	NA	NA	NA	NA	NA	ND(0.00500)
Copper	NA	NA	NA	NA	NA	NA	NA	ND(0.00500)
Cyanide	NA	NA	NA	NA	NA	NA	0.00330 B	NA
Lead	NA	NA	NA	NA	NA	NA	NA	ND(0.00500)
Magnesium	NA	NA	NA	NA	NA	NA	NA	6.80
Nickel	NA	NA	NA	NA	NA	NA	NA	ND(0.00500)
Silver	NA	NA	NA	NA	NA	NA	NA	ND(0.00500)
Zinc	NA	NA	NA	NA	NA	NA	NA	ND(0.0200)
Inorganics-Filtered								
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA	NA	NA	NA
Silver	NA	NA	NA	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA	NA	NA	NA
Conventionals								
Biological Oxygen Demand (5-day)	NA	NA	NA	NA	NA	NA	NA	NA
Oil & Grease	7.4	1.2 B	0.80 B	1.6 B	3.9 B	1.7 B	NA	NA
Total Suspended Solids	NA	NA	NA	NA	NA	NA	NA	NA

TABLE A-2
DATA RECEIVED DURING JUNE 2005

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

Parameter / Sample ID: / Date Collected:	A6522CCN 06/08/05	A6522CDM 06/08/05	A6522CTM 06/08/05	JUN05WK1 05/31/05	JUN05WK3 06/14/05	JUN05WK4 06/21/05
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	NA	ND(0.100)	NA	NA	NA
Cadmium	NA	NA	ND(0.00100)	NA	NA	NA
Calcium	NA	NA	63.0	NA	NA	NA
Chromium	NA	NA	0.000610 B	NA	NA	NA
Copper	NA	NA	0.0120	0.00490 B	0.0140	0.00970
Cyanide	0.0480	NA	NA	NA	NA	NA
Lead	NA	NA	0.00620	0.00320 B	0.00620	0.00210 B
Magnesium	NA	NA	25.0	NA	NA	NA
Nickel	NA	NA	ND(0.00500)	NA	NA	NA
Silver	NA	NA	ND(0.00500)	NA	NA	NA
Zinc	NA	NA	0.0420	0.00760 B	0.0210	0.0380
Inorganics-Filtered						
Aluminum	NA	ND(0.100)	NA	NA	NA	NA
Cadmium	NA	ND(0.00100)	NA	NA	NA	NA
Chromium	NA	0.000930 B	NA	NA	NA	NA
Copper	NA	0.00910	NA	NA	NA	NA
Lead	NA	ND(0.00500)	NA	NA	NA	NA
Nickel	NA	ND(0.00500)	NA	NA	NA	NA
Silver	NA	ND(0.00500)	NA	NA	NA	NA
Zinc	NA	0.0420	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 submitted to SGS Environmental Services, Inc. for analysis of PCBs, cyanide, TSS, BOD, oil & grease, and metals (filtered and unfiltered).
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
4. With the exception of inorganics only those constituents detected in one or more samples are summarized.

Data Qualifiers:

Organics

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

Inorganics and Conventional Parameters

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

Attachment B

NPDES Discharge Monitoring Reports
May 2005

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

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

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

Form Approved.
OMB No. 2040-0004

MA0003891	005 1
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	05	01	TO	05	05	31

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

*** NO DISCHARGE ( ) ***

NOTE: Read instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0	0	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	70 MO AVG	135 DAILY MX	LBS/DY	******	******	******	**** ****		SINCE/ MONTH	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0	0	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	189 MO AVG	270 DAILY MX	LBS/DY	******	******	******	**** ****		SINCE/ MONTH	COMPOS
OIL & GREASE 00556 1 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	7.4	(26) LBS/DY	******	******	1.7	(19) MG/L	0	01/07	GR
	PERMIT REQUIREMENT	******	135 DAILY MX	LBS/DY	******	******	15 DAILY MX	MG/L		WEEKLY	GRAB
POLYCHLORINATED BIPHENYLS (PCBS) 39516 1 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.0001	0.0003	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	0.01 MO AVG	0.03 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.203	0.362	(03) MGD	******	******	******		0	99/99	RC
	PERMIT REQUIREMENT	2.09 MO AVG	2.09 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.	M T Carroll	413 448-5902	2005	6	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 8 + 9 OF PERMIT FOR SAMPLING REQUIREMENTS. SEE DMR(S) 064G + 064T FOR FURTHER PARAMETERS.

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

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

Form Approved.
OMB No. 2040-0004

MA0003891	064 G
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	05	01	TO	05	05	31

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

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	*******	*******		7.3	*******	7.5	(12)	0	99/99	RCDR
00400 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	*******	*******	*** ***	6.0 MINIMUM	*******	9.0 MAXIMUM	SU SU		WEEKLY	GRAB
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			TELEPHONE	DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	M. T. Carroll	413 448-5902	2005	6	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 COMMENTS FOR 0051. SEE PAGE 8 + 9 OF PERMIT.

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

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

Form Approved.
OMB No. 2040-0004

MA0003891	064 T
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	05	01	TO	05	05	31

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

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

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	SAMPLE MEASUREMENT	******	******		7.0	******	7.7	(12)	0	99/99	RCDR
00400 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU SU		WEEKLY	GRAB
DIBENZOFURAN	SAMPLE MEASUREMENT	******	******		******	NODI [6]	NODI [6]	(22)			
81302 T 0 0 SEE COMMENTS BELOW	PERMIT REQUIREMENT	******	******	**** ****	******	REPORT MO AVG	REPORT DAILY MX	PPT		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	M. T. Carroll	413 448-5902	2005	6	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 COMMENTS FOR 0051. SEE PAGE 8 + 9 OF PERMIT.

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

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

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	007 1

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

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

*** NO DISCHARGE ~~NOT~~ ***
NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TEMPERATURE, WATER DEG. FAHRENHEIT 00011 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*******	*******		*******			(15)			
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	70 MO AVG	75 DAILY MX	DEG. F		ONCE/ MONTH	GRAB
PH 00400 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*******	*******			*******		(12)			
	PERMIT REQUIREMENT	*******	*******	**** ****	6 0 MINIMUM	*******	9 0 MAXIMUM	SU		WEEKLY	RANG
POLYCHLORINATED BIPHENYLS (PCBS) 39516 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	*******	*******		*******			(21)			
	PERMIT REQUIREMENT	*******	*******	**** ****	*******	REPORT MO AVG	REPORT DAILY MX	PPB		1/YR	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 W 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT			(03)	*******	*******	*******				
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	*******	*******	*******	**** ****		ONCE/ MONTH	CALCTD
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	M. T. Carroll	413-448-5902	2005	6	28
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 *(Includes Facility Name/ Location (If Different)*
NAME GENERAL ELECTRIC CORPORATION
ADDRESS ATTN: JEFFREY G. RUEBESAM
100 WOODLAWN AVENUE
PITTSFIELD MA 01201
FACILITY GENERAL ELECTRIC COMPANY
LOCATION PITTSFIELD MA 01201
ATTN: MICHAEL T CARROLL, EHS&F

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

MA0003891 — PERMIT NUMBER
009 1 — DISCHARGE NUMBER

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

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

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

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	QUANTITY OR LOADING MAXIMUM	QUANTITY OR LOADING UNITS	QUALITY OR CONCENTRATION MINIMUM	QUALITY OR CONCENTRATION AVERAGE	QUALITY OR CONCENTRATION MAXIMUM	QUALITY OR CONCENTRATION UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
BOD, 5-DAY (20 DEG. C) 00310 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.9	3.4	(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	******	******		7.1	******	7.3	(12) SU	0	01/07	GR
	PERMIT REQUIREMENT	******	******	**** ****	6.0 MINIMUM	******	9.0 MAXIMUM	SU		WEEKLY	RANG
SOLIDS, TOTAL SUSPENDED 00530 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.9	2.0	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	213 MO AVG	376 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
OIL & GREASE 00556 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	******	1.4	(26) LBS/DY	******	******	1.9	(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		1/YR/LY	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 V 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.039	0.376	(03) MGD	******	******	******		0	99/99	RC
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTIN UOUS	RECORDI
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	M. T. Carroll	413 448-5902	2005	6	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: MICHAEL T CARROLL, EHS&F

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

Form Approved.
OMB No. 2040-0004

MA0003891	009 A
PERMIT NUMBER	DISCHARGE NUMBER

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

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

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

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	M. T. Carroll	413 448-5902	2005	6	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 DMR 0091. SAMPLE AT 09A.

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

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

Form Approved.
OMB No. 2040-0004

MA0003891	009 B
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	05	01	TO	05	05	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			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, 5-DAY (20 DEG. C) 00310 1 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.9	3.4	(26) LBS/DY	******	******	******		0	01/07	CP
	PERMIT REQUIREMENT	106 MO AVG	436 DAILY MX	LBS/DY	******	******	******	**** ****		WEEKLY	COMPOS
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.9	2.0	(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 1 0 0 SEE COMMENTS BELOW	SAMPLE MEASUREMENT	0.039	0.376	(03) MGD	******	******	******		0	99/99	RC
	PERMIT REQUIREMENT	REPORT MO AVG	REPORT DAILY MX	MGD	******	******	******	**** ****		CONTINUOUS	RECORDE
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE	DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	M. T. Carroll	413 448-5902	2005	6 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 DMR 0091: SAMPLE AT 09B.

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

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

Form Approved.
OMB No. 2040-0004

PERMIT NUMBER	DISCHARGE NUMBER
MA0003891	SUM A

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	05	01	TO	05	05	31

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

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

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	0.2	(26) LBS/DY	*******	*******	*******		0	01/30	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	******		ONCE/ MONTH	COMPOS
NICKEL TOTAL RECOVERABLE 01074 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	0	(26) LBS/DY	*******	*******	*******		0	01/30	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	******		ONCE/ MONTH	COMPOS
SILVER TOTAL RECOVERABLE 01079 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	0	(26) LBS/DY	*******	*******	*******		0	01/30	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	******		ONCE/ MONTH	COMPOS
ZINC TOTAL RECOVERABLE 01094 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	0.2	(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	*******	0.5	(26) LBS/DY	*******	*******	*******		0	01/30	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	******		ONCE/ MONTH	COMPOS
CADMIUM TOTAL RECOVERABLE 01113 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	0	(26) LBS/DY	*******	*******	*******		0	01/30	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	******		ONCE/ MONTH	COMPOS
LEAD TOTAL RECOVERABLE 01114 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*******	0.07	(26) LBS/DY	*******	*******	*******		0	01/07	CP
	PERMIT REQUIREMENT	*******	REPORT DAILY MX	LBS/DY	*******	*******	*******	******		WEEKLY	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	M. T. Carroll	413 448-5902	2005	6	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)*
COMPOSITE PROPORTIONATE TO FLOW.

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

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

Form Approved.
OMB No. 2040-0004

MA0003891	SUM A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	05	01	TO	05	05	31

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

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

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
CHROMIUM TOTAL RECOVERABLE 01118 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	0.01	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	COMPOS
COPPER TOTAL RECOVERABLE 01119 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	******	0.05	(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	******	0.04	(26) LBS/DY	******	******	******		0	01/30	CP
	PERMIT REQUIREMENT	******	REPORT DAILY MX	LBS/DY	******	******	******	**** ****		ONCE/ MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE	DATE		
Michael T. Carroll Mgr. Pittsfield Remediation Prog.	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	M. T. Carroll	413 448-5902	2005	6	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)*
COMPOSITE PROPORTIONATE TO FLOW.

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

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

MA0003891 — PERMIT NUMBER
SUM B — DISCHARGE NUMBER

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	05	05	01	TO	05	05	31

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

*** NO DISCHARGE |__| ***

NOTE: Read instructions before completing this form.

Form Approved.
OMB No. 2040-0004

PARAMETER		QUANTITY OR LOADING AVERAGE	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	SAMPLE MEASUREMENT	******	******		NODI [9]	******	******	(23)			
TDM3D 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	******	******	**** ****	35 DAILY MN	******	******	PER-CENT		ONCE/ MONTH	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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

M. T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
413	448-5902	2005	6	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.~~

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

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

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

MA0003891	SUM C
PERMIT NUMBER	DISCHARGE NUMBER

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

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

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

Form Approved.
OMB No. 2040-0004

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

Michael T. Carroll
Mgr. Pittsfield Remediation Prog.

TYPED OR PRINTED

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

M. T. Carroll

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
413	448-5902	2005	6	23
AREA CODE	NUMBER	YEAR	MO	DAY

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

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

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

Attachment C

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

BBL®
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engineers, scientists, economists

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

Samples collected in June 2005

Submitted to:

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

SGS Sample ID: TA5-F0-P171

Study Director: Ken Holliday

27 June 2005

SGS Environmental Services
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Signatures and Approval

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June 27, 2005
Date

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Technical Writer

June 27, 2005
Date

Barbara Hensley
Project Manager
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June 27, 2005
Date

Whole Effluent Toxicity Test
Report Certification

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

Executed on: June 27, 2005
Date

Jeannie Latterner
Authorized signature

Jeannie Latterner
Name

QA/QC Manager
Title

SGS Environmental Services
Laboratory

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Summary

Static Acute Toxicity Test with *Daphnia pulex*

Sponsor:	General Electric
Protocol Title:	*Acute Aquatic Toxicity Testing*, SGS Document Control Number 7002, version 5.0
SGS Study Number:	TA5-F0-P171
Test Material:	Composite effluent from the General Electric Company located in Pittsfield, Massachusetts
GE Sample ID:	A6522C
Dilution Water:	Water from the Housatonic River (grab sample)
GE Sample ID:	A6521R
Dates Collected:	June 07, 2005 to June 08, 2005
Date Received:	June 09, 2005
Test Dates:	June 09, 2005 to June 11, 2005
Test Concentrations:	100% effluent 75% effluent 50% effluent 35% effluent 15% effluent 5% effluent dilution water control reference control secondary reference control (sodium thiosulfate)
Results:	The 48-hour LC50 value was determined to be >100% effluent. The No-Observed-Acute-Effect-Level (NOAEL) was observed to be 100% effluent.

1.0 Introduction

1.1 Background

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

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

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

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

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

1.3 Objective of the General Electric Study

The objective of this study was to measure the acute toxicity of the composite wastewater discharged by the General Electric facility located in Pittsfield, Massachusetts, using *Daphnia pulex* under static conditions. Whereas *D. pulex* are not considered locally important, they are routinely used by regulatory agencies and contract laboratories nationwide for toxicity testing. A toxicity test was conducted from June 09, 2005 to June 11, 2005 at SGS Environmental Services, Charleston, West Virginia. All original raw data and the final report produced for this study are stored in SGS's archives at the above location.

2.0 Materials and Methods

2.1 Protocol

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

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

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

2.2 Effluent Sample

The effluent sample (A6522C) was collected by GE personnel June 07, 2005 to June 08, 2005. Upon receipt at SGS on June 09, 2005, the sample temperature was 4.4° C. The effluent sample was characterized as having

Parameter	Result
Total Hardness	350
Alkalinity (as $CaCO_3$)	285
pH	7.23
Specific Conductance	950
Dissolved Oxygen Concentration*	7.95

*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 (A6521R) was collected by General Electric personnel on June 08, 2005. Upon receipt at SGS on June 09, 2005, the sample temperature was 4.4°C. The dilution water was characterized as having

Parameter	Result
Total Hardness	100
Alkalinity (as $CaCO_3$)	78
pH	6.88
Specific Conductance	217
Dissolved Oxygen Concentration*	8.56

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

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

2.4 Reference Control Water

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

Parameter	Result
Total Hardness	100
Alkalinity (as $CaCO_3$)	67
pH	7.04
Specific Conductance	309
Dissolved Oxygen	8.71

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

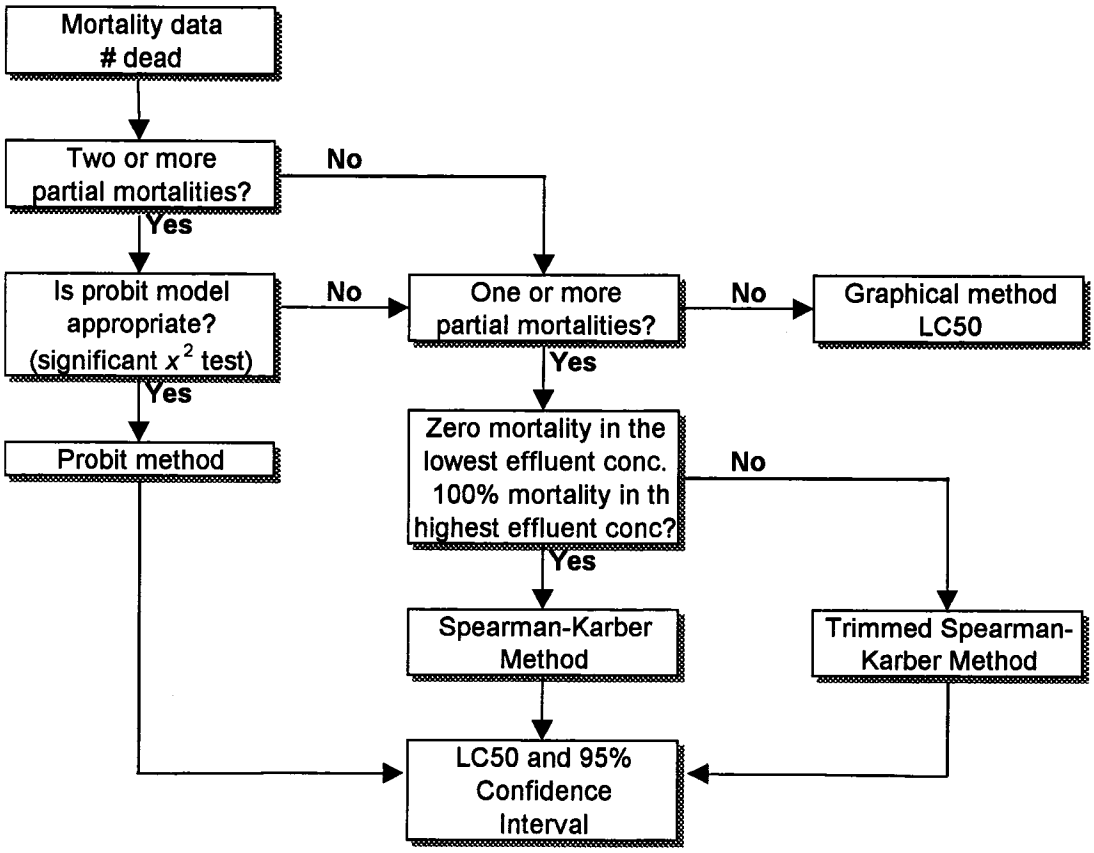
A 48-hour reference toxicity test exposing *Daphnia pulex* to sodium chloride (NaCl) was conducted from June 09, 2005 to June 11, 2005. The reference test was conducted to establish the health of the test organisms. The reference toxicity test included five NaCl concentrations and a dilution water control (moderately hard reconstituted water). The nominal NaCl concentrations for the test with *Daphnia pulex* ranged from 625 to 10,000 mg of NaCl/L. Test methods were the same as those described above for the effluent test.

3.0 Statistics

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

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

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



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

4.0 Results

4.1 Effluent Toxicity Test

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

4.2 Reference Toxicity Test

SGS uses sodium chloride (NaCl) as a reference toxicant. The reference test was conducted from June 09, 2005 to June 11, 2005, and the resulting 48-hour LC50 was estimated by Trimmed Spearman-Karber Method to be 2031 mg NaCl/L (95% confidence intervals of 1688 to 2443 mg NaCl/L).

References

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

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

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

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

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

Table 1. Methods and detection limits of chemical analyses of the General Electric Pittsfield Plant effluent and the dilution water (Housatonic River).

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

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

Parameter	Effluent (A6522C)	Housatonic River (A6521R)
Temperature	20.7°C	20.7°C
pH	7.23	6.88
Alkalinity (as $CaCO_3$)	285 mg/L	78 mg/L
Hardness (as $CaCO_3$)	350 mg/L	100 mg/L
Dissolved Oxygen	7.95 mg/L	8.56 mg/L
Specific Conductivity	950 µmhos/cm	217 µmhos/cm
Salinity	N/A	N/A
Total Residual Chlorine	ND	ND
Ammonia as N (0-Hour)	ND	ND
Total Phosphorus as P	0.040 mg/L	0.023 mg/L
Chloride	120 mg/L	22 mg/L
Total Suspended Solids	7.0 mg/L	ND
Total Solids	1100 mg/L	390 mg/L
Total Organic Carbon	4.2 mg/L	4.7 mg/L

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

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

Matrix ↓	pH			Dissolved Oxygen (mg/L)			Temperature (°C)		
	0	24	48	0	24	48	0	24	48
Reference Control	7.04	7.10	7.16	8.71	8.67	8.54	20.7	20.5	20.2
Secondary Ref Control	7.10	7.18	7.20	8.74	8.65	8.58	20.7	20.5	20.2
Dilution Water Control	6.88	6.74	6.78	8.56	8.42	8.31	20.7	20.5	20.2
5% Effluent	6.91	6.97	7.02	8.49	8.40	8.31	20.7	20.5	20.2
15% Effluent	6.97	7.04	7.09	8.39	8.29	8.24	20.7	20.5	20.2
35% Effluent	6.96	7.04	7.07	8.29	8.25	8.21	20.7	20.5	20.2
50% Effluent	7.04	7.11	7.13	8.30	8.22	8.17	20.7	20.5	20.2
75% Effluent	7.13	7.18	7.15	8.22	8.12	8.17	20.7	20.5	20.2
100% Effluent	7.23	7.26	7.24	7.95	8.04	8.02	20.7	20.5	20.2

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

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

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

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

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

Appendix I

References

SGS Environmental Services Inc.
Standard Operating Procedure

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

Document Control Number: **7002.05**

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

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

1.0 SUMMARY

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

2.0 REFERENCES

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

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

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

3.0 SCREENING

3.1 Test Duration

24 Hours, 48 Hours or 96 Hours.

3.2 Test Preparation

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

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

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

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

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

3.3 Test Results

No statistical analysis is performed on screening data.

4.0 DEFINITIVE TEST

4.1 *Pimephales promelas* (Fathead Minnows)

4.1.1 Test Duration

48-Hours or 96-Hours

4.1.2 Static non-renewal

4.1.3 Test Preparation

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

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

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

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

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

4.1.4 Loading

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

4.1.5 Test Temperature

20° C (± 1)

4.1.6 Daily Procedures

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

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

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

4.1.7 Feeding

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

SGS Environmental Services Inc.
Standard Operating Procedure

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

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

4.2.1 Test Duration

48-Hours

4.2.2 Static Non-renewal

4.2.3 Test Preparation

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

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

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

4.2.4 Loading

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

4.2.5 Test Temperature

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

4.2.6 Daily Procedure

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

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

4.2.7 Photoperiod

16 hours light, 8 hours dark.

4.2.8 Feeding

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

5.0 TEST DATA

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

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

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

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

5.1.4 Any atypical behavior or complications are recorded.

6.0 DATA ANALYSIS

6.1 Introduction

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

6.2 Methods for Estimating the LC50 & EC50

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

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

7.0 REPORT PREPARATION

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

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

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

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

7.1.4 Reference Toxicity Data

SGS Environmental Services Inc.
Standard Operating Procedure

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

Document Control Number: 7005.04

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

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

1.0 Summary

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

2.0 Moderately-Hard Synthetic Water

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

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

2.3 Aerate overnight.

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

2.5 Aerate vigorously for 24 hours to stabilize the medium.

3.0 Hard Synthetic Water

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

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

3.3 Aerate overnight.

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

3.5 Aerate vigorously for 24 hours to stabilize the medium.

SGS Environmental Services Inc.
Standard Operating Procedure

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

Document Control Number: **7005.04**

4.0 Synthetic Water Solutions

4.1 KCL Stock Solution

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

4.2 $MgSO_4$ Stock Solution

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

4.3 $NaHCO_3$ Stock Solution

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

5.0 Activated Carbon Treated Tap Water Diluent

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

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

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

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

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

SGS Environmental Services Inc.
Standard Operating Procedure

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

6.0 Synthetic Sea Water Preparation

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

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

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

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

SGS Environmental Services Inc.
Standard Operating Procedure

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

Document Control Number: 7006

Approved by: _____ Supervisor — 5-17-05 Date

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

1.0 Summary

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

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

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

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

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

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

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

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

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

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

4.0 Obtaining Neonates for Testing

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

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

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

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

5.0 *DAPHNIA* Food

5.1 Digested Flake Food

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

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

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

5.1.4 Filter through fine mesh.

5.2 Cerophyll®

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

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

5.2.3 Retain supernatant for combined YCT food.

5.3 Yeast

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

5.3.2 Do not allow mixture to settle.

5.4 Combined YCT Food

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

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

SGS Environmental Services Inc.
Standard Operating Procedure

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

 Document Control Number: 7008

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

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

1.0 Summary

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

2.0 Apparatus

2.1 Disposible plastic beakers

2.2 Disposible plastic medicine cups

2.3 Pipettes

2.4 pH meter

2.5 Dissolved oxygen (DO) meter

3.0 Reagents

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

3.2 Sodium Chloride (NaCl), reagent grade, Baker

4.0 Method

4.1 *Pimephales promelas* (fathead minnows)

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

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

SGS Environmental Services Inc.
Standard Operating Procedure

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

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

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

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

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

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

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

4.2.2.1 *Ceriodaphnia dubia, Daphnia pulex:*

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

4.2.2.2 *Daphnia magna:*

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

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

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

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

5.0 Data Analysis

5.1 Toxicity tests are conducted on a monthly basis.

SGS Environmental Services Inc.
Standard Operating Procedure

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

Document Control Number: 7008

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

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

6.0 Definitions

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

SGS Environmental Services Inc.
Standard Operating Procedure

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

Document Control Number: 7009.04

Approved by: _____ Supervisor _____ 5-17-05 Date

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

1.0 Summary

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

2.0 Sample Handling

2.1 Sampling Personnel

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

2.2 Sample Containers

Sample containers used by SGS are disposable plastic cubitainers®.

2.3 Sample Collection Points

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

2.4 Sample Shipment

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

2.5 Laboratory Handling of Samples

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

SGS Environmental Services Inc.
Standard Operating Procedure

2.6 Sample Holding Time

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

3.0 LABORATORY ENVIRONMENT

3.1 Laboratory Arrangement

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

3.2 Temperature

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

3.3 Water

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

3.4 Lighting

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

4.0 LABORATORY EQUIPMENT

4.1 General

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

SGS Environmental Services Inc.
Standard Operating Procedure

4.2 Balances

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

4.3 Water Quality Meters

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

4.4 Reagents

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

4.5 Test Containers

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

5.0 EQUIPMENT CLEANING PROCEDURES

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

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

Appendix II
Chain of Custody

Chain of Custody Record

General Electric Co.

100 Woodlawn Ave. Pittsfield, MA 01201

TAS-FO-8171-Y2

Chain of Custody #: OBG060805

Dry **Weather Acute Aquatic Toxicity for** June 2005

Project # NPDES PERMIT	Analytical Lab: CT&E Environmental Services Inc.			Sampled By: (Print) Mark Wasnewsky		
Sample #	**Date**	**Time**	**Containers**	**Parameters to be Analyzed**	**Preservative**	**Remarks**
A6522C	6/7 to 6/8/05	1100 AM	1 Gallon plastic	Definitive Test(LC50 and NOAEL), Static acute toxicity, 48 hr w/ Daphnia pulex	Chilled	(See below)
A6522C	6/7 to 6/8/05	1100 AM	1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
A6522C	6/7 to 6/8/05	1100 AM	500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	
A6521R	6/8/05	800 AM	1 Gallon plastic	Housatonic River water dilution water for definitive test	Chilled	
A6521R	6/8/05	800 AM	1000 ml. plastic	Chloride, TSS,Total Solids, Alkalinity Specific Conductance, CL2	Chilled	
A6521R	6/8/05	800 AM	500 ml. plastic	Total Phosphorus, TOC, NH3	H2SO4	

Relinquished By: Mark Wasnewsky	**Date/Time** 6-8-05	**Received By:**	**Date/Time** 6-8-05 1400
Relinquished By:	**Date/Time** 6-8-05 1430	**Received By:**	**Date/Time** 6/9/05 1000 4.4°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-~~ 005-64T- 700 AM 005-64G- 700 AM ~~007-~~ ~~09A-~~ 09B- 745 AM

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

General Electric – 48-hour Acute Biotoxicity Bench Sheet

Client: General Electric

Project: DRY WEATHER ACUTE

Lab. No.: TAS-FO-P171-001/002

Date Received: 06/08/05

Sample Date: 06/07-8/05 Time: 11:00

Date Analyzed: 06/09/05

Source: EFFLUENT

Analyst(s): KH

Source of dilution water: Housatonic River Water

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

Type of Test: 48-Hour Static Acute

Total Chlorine: n/d

	Beginning	Ending
Date:	06/09/05	06/11/05
Time:	1100	1100

Concentration→	Housatonic River Control	MHSW Control	MHSW $Na_2S_2O_3$ Control	Effluent 5%	Effluent 15%	Effluent 35%	Effluent 50%	Effluent 75%	Effluent 100%
START									
Temperature	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
Hardness	100	100	110						350
D.O.	8.56	8.71	8.74	8.49	8.39	8.29	8.30	8.22	7.95
pH	6.88	7.04	7.10	6.91	6.97	6.96	7.04	7.13	7.23
Alkalinity	78	67	69						285
Sp. Conduct.	217	309	313	258	271	386	513	663	950
24 HOUR									
No. Surviving	20	20	20	20	20	20	20	20	20
Temperature	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
D.O.	8.42	8.67	8.65	8.40	8.29	8.25	8.22	8.12	8.04
pH	6.74	7.10	7.18	6.97	7.04	7.04	7.11	7.18	7.26
Sp. Conduct.	226	313	327	251	279	393	524	675	833
48 HOUR									
No. Surviving	20	20	20	20	20	20	20	20	20
Temperature	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2
D.O.	8.31	8.54	8.58	8.31	8.24	8.21	8.17	8.17	8.02
pH	6.78	7.16	7.20	7.02	7.09	7.07	7.13	7.15	7.24
Sp. Conduct.	231	323	339	263	274	384	531	684	871

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

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

Appendix III

Bench Data

Acute Biotoxicity Bench Sheet

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: Temp. Range: °C
Type of Test: 48 Hour Acute

Total Chlorine: n/d

	Beginning	Ending
Date:	06/08/05	06/11/05
Time:	1400	1400

Concentration	Control		625	1250	2500	5000	10,000
START							
Temperature	20.7		20.7	20.7	20.7	20.7	20.7
Hardness	100						110
D.O.	8.7		8.8	8.8	8.8	8.8	8.8
pH	7.1		7.2	7.2	7.2	7.2	7.2
Alkalinity	65						72
Sp. Conduct.	304		1280	2230	3690	6910	12,480
24 HOUR							
Temperature	20.1		20.1	20.1	20.1	20.1	20.1
No. Surviving	20		20	20	13	6	0
48 HOUR							
Temperature	19.7		19.7	19.7	19.7	19.7	19.7
No. Surviving	20		20	17	7	0	0

Note: All results expressed in mg/L unless otherwise designated. < = less than
Note: Number in parenthesis equals number not adversely effected (EC_{50}). This number is used in calculating EC_{50} value.
Note: Due to fragile structure of *Daphnia* organisms, dissolved oxygen (DO), hardness, alkalinity, specific conductance, and pH reading could not be taken after the organisms are added to the sample. Doing so would cause injury to the organisms.
Method Reference: *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms.*, Fifth Edition. EPA-821-R-02-012 U.S.EPA, Washington, DC

TRIMMED SPEARMAN-KARBER METHOD. MONTANA STATE UNIV

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: 06/09/05 TEST NUMBER: - DURATION: 48 HOURS
CHEMICAL: NaCl SPECIES: PULEX

RAW DATA:

CONCENTRATION(MG/L)	625.00	1250.00	2500.00	5000.00	*******
NUMBER EXPOSED:	20	20	20	20	20
MORTALITIES:	0	3	13	20	20

SPEARMAN-KARBER TRIM: 0.00%

SPEARMAN-KARBER ESTIMATES: LC50: 2030.63
95% LOWER CONFIDENCE: 1688.18
95% UPPER CONFIDENCE: 2442.55

Appendix IV

U.S. EPA Region I Toxicity Test Summary

Toxicity Test Summary Sheet

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

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

*Modified (Chronic reporting acute values)

Dilution Water

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

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

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

___ or artificial sea salts mixed with deionized water;

___ Deionized water and hypersaline brine; or

___ other

Effluent sampling date(s): June 07, 2005 to June 08, 2005

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

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

Actual effluent concentrations tested after salinity adjustment
(In %): N/A N/A N/A N/A N/A N/A
Reference Toxicant Test Date: June 09, 2005 to June 11, 2005

N/A= not applicable

Permit Limits & Test Results

Test Acceptability Criteria

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

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

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

N/A = not applicable