ATTACHMENT B
General Electric Company, Pittsfield, MA
Outfalls Previously Covered by the Nationwide
Multi-Sector General Storm Water Permit

Outfall Number	Receiving Water
YD3	Silver Lake
YD10	Unkamet Brook
YD11	Unkamet Brook
YD12	Unkamet Brook
OF-P1	Unkamet Brook
YD4	Housatonic River
YD5	Housatonic River
YD6	Housatonic River
YD7	Housatonic River
YD8	Housatonic River
YD9	Housatonic River
YD13	Housatonic River
YD14	Housatonic River
YD15	Housatonic River
YD16	Housatonic River
OF-T2	Housatonic River
OF-T3	Housatonic River

ATTACHMENT C
General Electric Company, Pittsfield, MA
PCB Water Quality Criterion and PCB Ambient Data
Housatonic River and Silver Lake

PCBs (Total)	Receiving Water	Units	Total PCBs (Chronic)	Total PCBs (Human Health)
Water Quality Criterion	Fresh water	ug/l	0.014	0.000064

Housatonic River (Instream Data)	Station	Year	Units	Total PCBs
pre-remediation	Lyman St.	1998-1999	ug/l	0.012 ug/l (minimum value), 0.8 ug/l (maximum value)
pre-remediation	Newell St.	1998-1999	ug/l	0.012 ug/l (minimum value), 0.014 ug/l (maximum value)
post-remediation	Lyman St.	2002	ug/l	0.03 and 7 samples were "bdl"
post-remediation	Lyman St.	2003	ug/l	0.02, 0.016, 0.05, 0.016, 1.3, 0.013, 0.065, 0.116, 0.073, and 16 samples were bdl
post-remediation	Pomeroy St.	2002	ug/l	0.15, 0.0456, 0.109, and 4 samples were below the detection limit (bdl)
post-remediation	Pomeroy St.	2003	ug/l	0.24, 0.024, 0.12, 0.05, 0.052, 0.043, 0.026, 0.023, 0.013, 0.018, 0.094, 0.03, 0.024, 0.031, 0.0998, 0.024, 0.138, 0.229, 0.38, 0.088, 0.043, 0.022, 0.065, and 5 were bdl
post-remediation	Dawes Ave.	2003	ug/l	0.26, 0.024, 0.067, 0.16, 0.067, 0.16, and 8 samples were bdl
post-remediation	Newell St.	2002	ug/l	36 samples were below the detection limit of 0.022 ug/l
post-remediation	Unkamet Bk.(u)	2002	ug/l	10 samples were below the detection limit of 0.022 ug/l
post-remediation	Unkamet Bk.	2002	ug/l	0.26, 0.19, 0.41, 0.37, 0.23, 0.14, 0.1, 0.36, 0.19, 1 sample were bdl
post-remediation	Unkamet Bk.(d)	2002	ug/l	10 samples were below the detection limit of 0.022 ug/l

Note:
Pre-remediation is defined as "prior to remediation of the Upper ½-Mile Reach (i.e., Newell Street to Lyman Street)".
Post-Remediation is defined as "after the remediation of the Upper ½-Mile Reach (i.e., Newell Street to Lyman Street)".
Lyman Street Bridge is downstream of outfalls 005 and 006.
Newell Street Station is downstream of Unkamet Brook outfalls and upstream of outfalls 005 and 006.
Pomeroy Avenue is downstream of all GE outfalls.
Samples were collected from the Housatonic River, Upstream of Unkamet Brook (denoted above as "Unkamet Bk (u)") and downstream of
Unkamet Brook (denoted above as "Unkamet Brook (d)"), and from Unkamet Brook.

Attachment C;
Continued:

Silver Lake (Instream Data)	Station	Units	Total PCBs (Maximum)	Total PCBs (Average)
pre-remediation	HCW-1	ug/l	0.15	0.15
pre-remediation	HCW-1A	ug/l	0.25, 0.31	0.28
pre-remediation	HCW-1B	ug/l	0.2, 0.3, 0.34	0.28
pre-remediation	HCW-2	ug/l	0.14, 0.29	0.215

Note:
Pre-remediation is defined as "prior to remediation of the Upper ½-Mile Reach (i.e., Newell Street to Lyman Street)".
Post-Remediation is defined as "after the remediation of the Upper ½-Mile Reach (i.e., Newell Street to Lyman Street)".
HCW-1 = Middle of Silver Lake.
HCW-1A = East End of Silver Lake.
HCW-1B = West End of Silver Lake.
HCW-2 = Silver Lake Outfall.

Summary PCB Effluent Data:
The following are examples of water quality exceedances during 2001-2003. Minimum and maximum values are listed below.

Outfall Number:	Total PCBs (ug/l) (Minimum)	Total PCBs (ug/l) (Maximum)
001	bdl	1.0
01A	0.5	2.8
004	bdl	0.36
005	0.022	0.5
05A	0.198	4.9
05B	0.204	12.8
SRO4	0.4	11.8
006	0.25	0.91
06A	bdl	0.3
007	bdl	0.0002
009	bdl	0.3

ATTACHMENT D
Effluent Monitoring Data
NPDES Permit No. MA0003891
General Electric Company
Pittsfield, MA

DESCRIPTION OF DISCHARGE: Outfall 001, non-contact cooling water, storm water, untreated groundwater (infiltration), unknown dry-weather flow from the City Storm Sewer System, and steam condensate.

DISCHARGE: Outfall 001 (The receiving water is the Silver Lake)
The monthly average and daily maximum values listed below, were reported from January 1998 to September 2000.

EFFLUENT CHARACTERISTICS AT THE POINT OF DISCHARGE:

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.064 - 0.302	0.289 - 2.483
PCB, ug/l	0.08 - 0.81	0.08 - 0.81
PCB, lb/day	0.00001 - 0.01605	0.00001 - 0.01605
pH	6.8 - 8.2 (minimum range)	7.7 - 8.5 (maximum range)
Oil & grease, mg/l	—	0 - 12.7
Oil & grease, lb/day	—	0 - 30.7
TSS, mg/l	1.1 - 37.9	0.8 - 37.9
TSS, lb/day	0.2 - 132.4	0.2 - 392.4

The monthly average and daily maximum values listed below, were reported from November 2001 to October 2003.

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.034 - 0.218	0.195 - 1.362
PCB, ug/l	0.00 - 1.00	0.00 - 1.00
PCB, lb/day	0.000 - 0.000188	0.000 - 0.000188
pH	6.26 - 8.3 (minimum range)	7.04 - 8.67 (maximum range)
Oil & grease, mg/l	0.0 - 260	0.0 - 260
Oil & grease, lb/day	0.0 - 6.24	0.0 - 6.24
TSS, mg/l	0.0 - 28.5	0.0 - 48.0
TSS, lb/day	0.0 - 116.43	0.0 - 221.73

Metals:	Effluent Data* (via Toxicity Test Reports between February 1999 - September 2001):
Aluminum, Total, ug/l	52, 80, 840, 93, 100, 100, 100, 70, 200, 200, 50
Cadmium, Total, ug/l	No Detection (DL = 1.0 ug/l)
Copper, Total, ug/l	10, 5, 6, 24, 53, 14, 21, 110, 60, 50, 26, 82, 24, 10
Lead, Total, ug/l	5, 21, 71, 13
Zinc, Total, ug/l	27, 16, 11, 13, 8.2, 50, 110, 27, 19, 170, 20, 10, 20, 20, 40, 60, 28, 19, 36, 33, 4, 15, 31

* Each toxicity test sample includes a combined proportionate 24-hour composite sample collected from outfalls 001, 004, 005, 007, 009 and 011. (Note: Outfall 011 is currently owned and operated by General Dynamics Company and GE no longer includes the discharge from 011 in their toxicity test samples.)

ATTACHMENT E
Effluent Monitoring Data
NPDES Permit No. MA0003891
General Electric Company
Pittsfield, MA

DESCRIPTION OF DISCHARGE: Outfall 01A, mostly storm water with non-contact cooling water, untreated groundwater (infiltration), unknown dry-weather flow from the City Storm Sewer System, and steam condensate. (The Outfall 01A discharge is a storm-related overflow for Outfall 001.)

DISCHARGE: Outfall 01A (The receiving water is the Silver Lake)
The monthly average and daily maximum values listed below, were reported from January 1998 to September 2000.

EFFLUENT CHARACTERISTICS AT THE POINT OF DISCHARGE:

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.0072 - 2.206	0.0072 - 2.206
PCB, ug/l	—	0.5 - 2.8
pH, standard units	3.5 - 8.4 (minimum range)	3.5 - 8.4 (maximum range)
Oil & grease, mg/l	—	0 - 5

The monthly average and daily maximum values listed below, were reported from November 2001 to October 2003.

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.004 - 1.08	0.004 - 1.08
PCB, ug/l	—	0.09 - 1.66
pH, standard units	6.6 - 7.8 (minimum range)	6.6 - 7.8 (maximum range)
Oil & grease, mg/l	—	0 - 5.5

ATTACHMENT F
Effluent Monitoring Data
NPDES Permit No. MA0003891
General Electric Company
Pittsfield, MA

DESCRIPTION OF DISCHARGE: Outfall 004, contact cooling water, non-contact cooling water and storm water.

DISCHARGE: Outfall 004 (The receiving water is the Silver Lake)
The monthly average and daily maximum values listed below, were reported from January 1998 to September 2000.

EFFLUENT CHARACTERISTICS AT THE POINT OF DISCHARGE:

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.003 - 0.034	0.048 - 0.322
PCB, ug/l	0 - 100	0 - 100
PCB, lb/day	0 - 0.1	0.1
pH	4.3 - 7.7 (minimum range)	6.7 - 8.4 (maximum range)
Oil & grease, mg/l	—	0 - 6.4
Oil & grease, lb/day	—	0 - 28.8

The monthly average and daily maximum values listed below, were reported from November 2001 to October 2003.

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.0 - 0.016	0.0 - 0.18
PCB, ug/l	0.0 - 0.36	0.0 - 0.36
PCB, lb/day	0.0 - 0.00012	0.0 - 0.00012
pH	4.28 - 8.0 (minimum range)	6.6 - 11.17 (maximum range)
Oil & grease, mg/l	0.0 - 8.5	0.0 - 8.5
Oil & grease, lb/day	0.0 - 34	0.0 - 34

Metals:	Effluent Data* (via Toxicity Test Reports between February 1999 - September 2001):
Aluminum, Total, ug/l	52, 80, 840, 93, 100, 100, 100, 70, 200, 200, 50
Cadmium, Total, ug/l	No Detection (DL = 1.0 ug/l)
Copper, Total, ug/l	10, 5, 6, 24, 53, 14, 21, 110, 60, 50, 26, 82, 24, 10
Lead, Total, ug/l	5, 21, 71, 13
Zinc, Total, ug/l	27, 16, 11, 13, 8.2, 50, 110, 27, 19, 170, 20, 10, 20, 20, 40, 60, 28, 19, 36, 33, 4, 15, 31

* Each toxicity test sample includes a combined proportionate 24-hour composite sample collected from outfalls 001, 004, 005, 007, 009 and 011.

ATTACHMENT G
Effluent Monitoring Data
NPDES Permit No. MA0003891
General Electric Company
Pittsfield, MA

DESCRIPTION OF DISCHARGE: Outfall 005, non-contact cooling water, treated process water, treated groundwater, storm water and steam condensate.

DISCHARGE: Outfall 005 (The receiving water is the Housatonic River.)
The monthly average and daily maximum values listed below, were reported from January 1998 to September 2000.

EFFLUENT CHARACTERISTICS AT THE POINT OF DISCHARGE:

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.113 - 0.684	0.219 - 1.092
PCB, ug/l	0.1 - 0.5	0.1 - 0.9
PCB, lb/day	0.0001 - 0.0014	0.0001 - 0.0032
pH	6.4 - 7.4 (minimum range)	7.4 - 8.2 (maximum range)
Oil & grease, mg/l	0 - 1.5	0 - 2.1
Oil & grease, lb/day	—	0 - 11.6
TSS, mg/l	0 - 2.6	0 - 2.6
TSS, lb/day	0 - 11.2	0 - 11.2
BOD, mg/l	0 - 4.1	0 - 4.1
BOD, lb/day	0 - 7.5	0 - 7.5

The monthly average and daily maximum values listed below, were reported from November 2001 to October 2003.

Parameter	Average (range)	Maximum (range)
Flow, MGD	0.106 - 0.450	0.253 - 0.963
PCB, ug/l	0.0055 - 0.22	0.022 - 0.5
PCB, lb/day	0.000009 - 0.0005	0.000038 - 0.0011
pH	6.4 - 7.6 (minimum range)	7.2 - 8.5 (maximum range)
Oil & grease, mg/l	0 - 4.5	0 - 8.8
Oil & grease, lb/day	—	0 - 66.2
TSS, mg/l	0 - 8.0	0 - 8.0
TSS, lb/day	0 - 16.5	0 - 16.5
BOD, mg/l	0 - 0	0 - 0
BOD, lb/day	0 - 0	0 - 0

Metals: Effluent Data* (via Toxicity Test Reports between February 1999 - September 2001):

Aluminum, Total, ug/l	52, 80, 840, 93, 100, 100, 100, 70, 200, 200, 50
Cadmium, Total, ug/l	No Detection (DL = 1.0 ug/l)
Copper, Total, ug/l	10, 5, 6, 24, 53, 14, 21, 110, 60, 50, 26, 82, 24, 10
Lead, Total, ug/l	5, 21, 71, 13
Zinc, Total, ug/l	27, 16, 11, 13, 8.2, 50, 110, 27, 19, 170, 20, 10, 20, 20, 40, 60, 28, 19, 36, 33, 4, 15, 31

* Each toxicity test sample includes a combined proportionate 24-hour composite sample collected from outfalls 001, 004, 005, 007, 009 and 011.

ATTACHMENT H
Effluent Monitoring Data
NPDES Permit No. MA0003891
General Electric Company
Pittsfield, MA

DESCRIPTION OF DISCHARGE: Outfall 05A, non-contact cooling water, treated process water, treated groundwater, storm water and steam condensate. (Outfall 05A has the same discharge description as Outfall 005, since the Outfall 05A discharge is a storm-related overflow.)

DISCHARGE: Outfall 05A (The receiving water is the Housatonic River.)
The monthly average and daily maximum values listed below, were reported from January 1998 to September 2000.

EFFLUENT CHARACTERISTICS AT THE POINT OF DISCHARGE:

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.0288 - 2.727	0.0288 - 2.727
PCB, ug/l	—	0.345 - 9.6
pH, standard units	7.1 - 9.2 (minimum range)	7.1 - 9.2 (maximum range)
Oil & grease, mg/l	—	0 - 4.4

The monthly average and daily maximum values listed below, were reported from November 2001 to October 2003.

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.007 - 2.952	0.007 - 2.952
PCB, ug/l	—	0.198 - 4.9
pH, standard units	6.6 - 8.0 (minimum range)	6.6 - 8.0 (maximum range)
Oil & grease, mg/l	—	0 - 4.7

ATTACHMENT I
Effluent Monitoring Data
NPDES Permit No. MA0003891
General Electric Company
Pittsfield, MA

DESCRIPTION OF DISCHARGE: Outfall 05B, non-contact cooling water, treated process water, treated groundwater, storm water and steam condensate. (Outfall 05B has the same discharge description as Outfall 005, since the Outfall 05B discharge is a storm-related overflow.)

DISCHARGE: Outfall 05B (The receiving water is the Housatonic River.)
The monthly average and daily maximum values listed below, were reported from January 1998 to September 2000.

EFFLUENT CHARACTERISTICS AT THE POINT OF DISCHARGE:

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.043 - 7.2	0.043 - 7.2
PCB, ug/l	—	1 - 16
pH, standard units	6.8 - 8.5 (minimum range)	6.8 - 8.5 (maximum range)
Oil & grease, mg/l	—	1.1 - 3.9

The monthly average and daily maximum values listed below, were reported from November 2001 to October 2003.

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.072 - 0.513	0.072 - 0.513
PCB, ug/l	—	0.204 - 12.8
pH, standard units	6.6 - 8.5 (minimum range)	6.6 - 8.5 (maximum range)
Oil & grease, mg/l	—	0 - 3.7

ATTACHMENT J
Effluent Monitoring Data
NPDES Permit No. MA0003891
General Electric Company
Pittsfield, MA

DESCRIPTION OF DISCHARGE: Outfall SRO4, overflow from outfall 005 of contact cooling water, non-contact cooling water, treated process water, treated groundwater, steam condensate, city water (i.e., used for fire protection testing), non process water, treated storm water and untreated storm water. (Outfall SRO4 has the same discharge description as Outfall 005, since the Outfall SRO4 discharge is a storm-related overflow). A discharge from Outfall SRO4 occurs when the influent flow into the Oil/Water Separator 64W exceeds approximately 2,800 gallons per minute.)

DISCHARGE: Outfall SRO4 (The receiving water is the Housatonic River.)

The monthly average and daily maximum values listed below, were reported from November 2001 to October 2003.

EFFLUENT CHARACTERISTICS AT THE POINT OF DISCHARGE:

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.036 - 0.505	0.036 - 0.505
PCB, ug/l	—	0.4 - 11.8
pH, standard units	6.3 - 8.4 (minimum range)	6.3 - 8.4 (maximum range)
Oil & grease, mg/l	—	0 - 6

ATTACHMENT K
Effluent Monitoring Data
NPDES Permit No. MA0003891
General Electric Company
Pittsfield, MA

DESCRIPTION OF DISCHARGE: Outfall 006, non process water and storm water.

DISCHARGE: Outfall 006 (The receiving water is the Housatonic River.)
The monthly average and daily maximum values listed below, were reported from January 1998 to September 2000.

EFFLUENT CHARACTERISTICS AT THE POINT OF DISCHARGE:

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.014 - 2.434	0.014 - 2.434
pH	4.6 - 8.1 (minimum range)	4.6 - 8.1 (maximum range)
PCB, ug/l	—	0.1 - 5600
Oil & grease, mg/l	—	0 - 14.5

The monthly average and daily maximum values listed below, were reported from November 2001 to October 2003.

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.02 - 0.147	0.02 - 0.147
pH	6.6 - 7.8 (minimum range)	6.6 - 7.8 (maximum range)
PCB, ug/l	—	0.025 - 0.91
Oil & grease, mg/l	—	0 - 7

ATTACHMENT L
Effluent Monitoring Data
NPDES Permit No. MA0003891
General Electric Company
Pittsfield, MA

DESCRIPTION OF DISCHARGE: Outfall 06A, non process water and storm water. (Outfall 06A has the same discharge description as Outfall 006, since the outfall 06A discharge is a storm-related overflow.)

DISCHARGE: Outfall 06A (The receiving water is the Housatonic River.)
The monthly average and daily maximum values listed below, were reported from January 1998 to September 2000.

EFFLUENT CHARACTERISTICS AT THE POINT OF DISCHARGE:

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.006 - 0.72	0.006 - 0.72
PCB, ug/l	—	0.2 - 6.9
pH, standard units	6.2 - 9 (minimum range)	6.4 - 9 (maximum range)
Oil & grease, mg/l	—	0 - 7

The monthly average and daily maximum values listed below, were reported from November 2001 to October 2003.

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.0 - 0.864	0.0 - 0.864
pH	6.5 - 7.4 (minimum range)	7.2 - 7.4 (maximum range)
PCB, ug/l	—	0.28 - 3.0
Oil & grease, mg/l	—	0 - 5.7

ATTACHMENT M
Effluent Monitoring Data
NPDES Permit No. MA0003891
General Electric Company
Pittsfield, MA

DESCRIPTION OF DISCHARGE: Outfall 007, non-contact cooling water and storm water (impacted by GE's application of pesticides, herbicides, soil conditioners, and/or fertilizers).

DISCHARGE: Outfall 007 (The receiving water is the Housatonic River.)
The monthly average and daily maximum values listed below, were reported from January 1998 to September 2000.

EFFLUENT CHARACTERISTICS AT THE POINT OF DISCHARGE:

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0 - 0.187	0.006 - 0.72
PCB, ug/l	0 - 0.8	0 - 0.8
pH	6.1 - 8.1 (minimum range)	7.3 - 8.5 (maximum range)
Temperature, (°F)	37 - 80	37 - 80

The monthly average and daily maximum values listed below, were reported from November 2001 to October 2003.

Parameter	Average (range)	Maximum (range)
Flow, MGD	0.002 - 0.113	0.005 - 0.396
PCB, ug/l	0 - 0.0002	0 - 0.0002
pH	4.35 - 7.58 (minimum range)	6.82 - 8.97 (maximum range)
Temperature, (°F)	37 - 69.8	37 - 72

Metals:	Effluent Data* (via Toxicity Test Reports between February 1999 - September 2001):
Aluminum, Total, ug/l	52, 80, 840, 93, 100, 100, 100, 70, 200, 200, 50
Cadmium, Total, ug/l	No Detection (DL = 1.0 ug/l)
Copper, Total, ug/l	10, 5, 6, 24, 53, 14, 21, 110, 60, 50, 26, 82, 24, 10
Lead, Total, ug/l	5, 21, 71, 13
Zinc, Total, ug/l	27, 16, 11, 13, 8.2, 50, 110, 27, 19, 170, 20, 10, 20, 20, 40, 60, 28, 19, 36, 33, 4, 15, 31

* Each toxicity test sample includes a combined proportionate 24-hour composite sample collected from outfalls 001, 004, 005, 007, 009 and 011.

ATTACHMENT N
Effluent Monitoring Data
NPDES Permit No. MA0003891
General Electric Company
Pittsfield, MA

DESCRIPTION OF DISCHARGE: Outfall 009, non-contact cooling water, treated process water and storm water.

DISCHARGE: Outfall 009 (The receiving water is Unkamet Brook.)
The monthly average and daily maximum values listed below, were reported from January 1998 to September 2000.

EFFLUENT CHARACTERISTICS AT THE POINT OF DISCHARGE:

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.026 - 0.442	0.082 - 1.343
PCB, ug/l	0 - 0.2	0 - 0.2
pH	6.8 - 7.6 (minimum range)	7.4 - 8.6 (maximum range)
Oil & grease, mg/l	—	0 - 5.1
Oil & grease, lb/day	—	0 - 9.3
TSS, mg/l	0.4 - 11.8	0.5 - 45.3
TSS, lb/day	0.2 - 17.1	0.3 - 59.1
BOD, mg/l	0 - 2.5	0 - 4.0
BOD, lb/day	0 - 4.0	0.1 - 9.5

The monthly average and daily maximum values listed below, were reported from November 2001 to October 2003.

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.031 - 0.439	0.184 - 1.068
PCB, ug/l	0 - 0.3	0 - 0.3
pH	6.15 - 7.53 (minimum range)	6.95 - 8.03 (maximum range)
Oil & grease, mg/l	0 - 2.9	0 - 7.6
Oil & grease, lb/day	—	0 - 54.1
TSS, mg/l	0 - 11.19	0 - 16.96
TSS, lb/day	0 - 25.33	0 - 82
BOD, mg/l	0 - 2.55	0 - 6.83
BOD, lb/day	0 - 4.93	0 - 12.54

Metals:	Effluent Data* (via Toxicity Test Reports between February 1999 - September 2001):
Aluminum, Total, ug/l	52, 80, 840, 93, 100, 100, 100, 70, 200, 200, 50
Cadmium, Total, ug/l	No Detection (DL = 1.0 ug/l)
Copper, Total, ug/l	10, 5, 6, 24, 53, 14, 21, 110, 60, 50, 26, 82, 24, 10
Lead, Total, ug/l	5, 21, 71, 13
Zinc, Total, ug/l	27, 16, 11, 13, 8.2, 50, 110, 27, 19, 170, 20, 10, 20, 20, 40, 60, 28, 19, 36, 33, 4, 15, 31

* Each toxicity test sample includes a combined proportionate 24-hour composite sample collected from outfalls 001, 004, 005, 007, 009 and 011.

ATTACHMENT O
Effluent Monitoring Data
NPDES Permit No. MA0003891
General Electric Company
Pittsfield, MA

DESCRIPTION OF DISCHARGE: Outfall 09A, non-contact cooling water, treated process water and storm water (this outfall is an internal outfall, and the flow discharges through outfall 009).

DISCHARGE: Outfall 09A (The receiving water is Unkamet Brook.)
The monthly average and daily maximum values listed below, were reported from January 1998 to September 2000.

EFFLUENT CHARACTERISTICS AT THE POINT OF DISCHARGE:

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.006 - 0.437	0.018 - 1.288
TSS, mg/l	0.4 - 14.4	0.4 - 55.8
TSS, lb/day	0 - 16.7	0.1 - 57.9
BOD, mg/l	0 - 4.5	0 - 18
BOD, lb/day	0 - 3.8	0 - 9.0

The monthly average and daily maximum values listed below, were reported from November 2001 to October 2003.

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.001 - 0.0088	0.0003 - 0.2064
TSS, mg/l	0 - 28.8	0 - 76
TSS, lb/day	0 - 0.342	0 - 1.173
BOD, mg/l	0 - 22.6	0 - 88
BOD, lb/day	0 - 0.188	0 - 0.915

ATTACHMENT P
Effluent Monitoring Data
NPDES Permit No. MA0003891
General Electric Company
Pittsfield, MA

DESCRIPTION OF DISCHARGE: Outfall 09B, non-contact cooling water, treated process water and storm water (this outfall is an internal outfall, and the flow discharges through outfall 009).

DISCHARGE: Outfall 09B (The receiving water is Unkamet Brook.)
The monthly average and daily maximum values listed below, were reported from January 1998 to September 2000.

EFFLUENT CHARACTERISTICS AT THE POINT OF DISCHARGE:

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.008 - 0.236	0.036 - 1.03
TSS, mg/l	0.4 - 29.8	1.1 - 112
TSS, lb/day	0.1 - 7.3	0.2 - 25.5
BOD, mg/l	0 - 2.7	0 - 6.1
BOD, lb/day	0 - 1.8	0 - 5.4

The monthly average and daily maximum values listed below, were reported from November 2001 to October 2003.

Parameter	Monthly Average (range)	Daily Maximum (range)
Flow, MGD	0.031 - 0.431	0.184 - 1.068
TSS, mg/l	0 - 11.2	0 - 17
TSS, lb/day	0 - 25.3	0 - 82.9
BOD, mg/l	0 - 1.7	0 - 6.8
BOD, lb/day	0 - 4.8	0 - 12.0

ATTACHMENT Q
Whole Effluent Toxicity (WET) Data
NPDES Permit No. MA0003891
General Electric Company
Pittsfield, MA

DESCRIPTION OF DISCHARGE: Comprised of a flow proportioned sample from Outfalls 001, 004, 005, 007, 009 and 011.

Outfall 001, non-contact cooling water, untreated groundwater (infiltration), unknown dry-weather discharge, steam condensate and storm water
Outfall 004, contact cooling water, non-contact cooling water and storm water
Outfall 005, non-contact cooling water, treated process water, treated groundwater, storm water and steam condensate
Outfall 007, storm water
Outfall 009, non-contact cooling water, treated process water and storm water
Outfall 011, storm water, owned and operated by General Dynamics Company

DISCHARGE: The whole effluent toxicity values listed below, were reported from July 1998 - July 2000.

Outfalls 001 and 004 (The receiving water is Silver Lake)
Outfalls 005 and 007 (The receiving water is the Housatonic River)
Outfall 009 (The receiving water is Unkamet Brook)

EFFLUENT CHARACTERISTICS AT THE POINT OF DISCHARGE:

DATE OF SAMPLE:	WEATHER:	NOCEL, CHRONIC RESULT (%):	LC50, ACUTE RESULT (%):
1998:			
July	Dry	50	100
August	Wet	100	100
September	Dry	25	100
November	Dry	75 (NOAEL)	93
1999:			
July	Dry	6.25	100
August	Wet	12.5	100
September	Dry	25	100
2000:			
July	Wet	25	100
2001:			
November	Wet	—	100
December	Dry	—	100
2002:			
January	Wet	—	100
February-March	F/Dry, M/Dry,	—	100
April-June	A/Wet, M/Dry, J/Dry	—	100
July	Wet	100	100
August	Dry	75	100
September	Dry	100	100
Oct-December	O/Dry, N/Wet,	—	100
	D/Dry, J/Wet	—	100
2003:			
January-June	J/Wet, F/Dry, M/Dry,	—	100
	A/Dry, M/Wet, J/Dry	—	100
July	Dry	100	100
August	Wet	100	100
September	Dry	100	100
October	Dry	—	100

ATTACHMENT R
Sample Calculations
Outfall 001 - Copper
NPDES Permit No. MA0003891
General Electric Company
Pittsfield, MA

Outfall 001:

Plant Design Flow = 0.302 MGD
Instream $7Q10_{(Silver\ Lake)}$ = 0 cfs x 0.646272 MGD/cfs = 0 MGD
Dilution Factor
= (Instream 7Q10 + Design Flow) / Design Flow
= (0 MGD + 0.302 MGD)/(0.302 MGD)
= 1

Copper Limitations:
Copper is dependent on the hardness of the receiving water.
Acute Copper Limit = $e^{(0.9422 * \ln 117) + (-1.7)}$ x dilution factor = (16.23 ug/l x 1) = 16.2 ug/l
Chronic Copper Limit = $e^{(0.8545 * \ln 117) + (-1.702)}$ x dilution factor = (10.6 ug/l x 1) = 10.6 ug/l

Variability of Copper in the Outfall 001 Effluent:
Reasonable Potential Evaluation Assessment Applicable to Outfall 001 - GE Company, Pittsfield, MA

Pollutant	Number of Samples	Maximum (mg/l)	Coefficient of Variation	Projected Effluent Quality (PEQ) (mg/l)	Daily Maximum Projected Effluent Limit (PEL) (mg/l)	Monthly Average Projected Effluent Limit (PEL) (mg/l)	Most Restrictive Controlling Criteria	RPE Test PEQ> $PEL_{(Daily\ Max)}$?	RPE Test PEQ > $PEL_{(Monthly\ Average)}$?
Copper, dissolved	6	0.015	0.53	0.029	0.016	0.011	Chronic	yes	yes

ATTACHMENT S
NPDES Permit No. MA0003891
General Electric Company
Pittsfield, MA

This page was intentionally left blank. There are no references to Attachment S in the fact sheet..