

GENERAL SITE INFORMATION, CHARACTERISTICS, AND STATUS

Project Name	<u>HOUSATONIC RIVER - PROJECT 2 (First Half Mile)</u>	ProjectID: 01-09
Last Updated:	11/26/03	
City:	Pittsfield	
County:	Berkshire	
State:	MA	
Country:	USA	
Bodies of Water:	Housatonic River (starting in Pittsfield, MA)	
US EPA Region:	I	
Status (Active, Complete, or Monitoring Only):	Active	
Date On NPL:	N/A	
ROD/ESD Date:	N/A	
Operable Unit:	N/A	
Areas of Concern (length or acres):	A 0.5 mile segment of the East Branch of the Housatonic River, starting opposite the GE plant site in the City of Pittsfield, MA.	
Other Characteristics of Water Body:	Varies from about 40-80 feet wide, with water depths several feet deep. Average flow is 105 cfs, in the vicinity of the GE plant site.	
Contaminants of Concern:	PCBs (1254/1260)	
Source of Contamination:	Historical discharges from the GE plant site.	
Contaminated Area	Urban setting within the City of Pittsfield for the 0.5 mile segment and the additional 1.5 miles downstream to the confluence with the West Branch; heavily vegetated banks; five bridges for cross streets are in the two-mile segment; oxbows were straightened/channelized in the 1940s.	
Physical Characteristics:		
Type of Regulatory Action:	Consent Decree, pursuant to both CERCLA and RCRA. Final.	
Overall Status Summary:	<p>On October 7, 1999, representatives of the U.S. EPA; U.S. Department of Justice; the Commonwealth of Massachusetts Department of Environmental Protection, Office of the Attorney General and Executive Office of Environmental Affairs; the State of Connecticut Department of Environmental Protection and Office of the Attorney General; the U.S. Department of the Interior; the National Oceanic and Atmospheric Administration; the City of Pittsfield; the Pittsfield Economic Development Authority; and the General Electric Company (GE) reached a comprehensive agreement relating to the cleanup of GE's Pittsfield facility, certain off-site properties, and the Housatonic River. The detailed terms of this agreement are incorporated in a Consent Decree which was lodged on October 7, 1999, with the United States District Court of Massachusetts, Western Division, in Springfield, Massachusetts. Following a public comment period in early 2000, the Consent Decree was entered by the Court on October 27, 2000.</p> <p>The Consent Decree provides for cleanup of the Housatonic River and associated areas, cleanup of the General Electric Plant facility, environmental restoration of the Housatonic River, compensation for natural resource damages, and government recovery of past and future response costs. In addition, a Definitive Economic Development Agreement among GE, the City of Pittsfield, and the Pittsfield Economic Development Authority provides for economic redevelopment of the GE Plant facility. That agreement became effective upon entry of the Consent Decree.</p> <p>The Consent Decree divides the Housatonic River into three separate segments for purposes of cleanup responsibilities. For the first 0.5 mile of the East Branch, from the Newell Street Bridge</p>	

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to the Lyman Street Bridge in Pittsfield (MA), GE will perform source control measures and cleanup of the river sediments and bank soil. For the next 1.5 miles, from the Lyman Street Bridge to the confluence of the East and West Branches, EPA will perform cleanup of the river sediments and bank soil to the top of bank, while GE is responsible for cleanup of the floodplain soil (i.e., all contaminated property beyond the top of bank). The cost to implement the removal action in the 1.5-mile segment will be shared by EPA and GE with the amount of EPA funding increasing as the overall costs increase. For the segment below the confluence, the "Rest of River," GE is responsible for implementing a remedy to be selected by EPA. In this Major Contaminated Sediment Site Database, the first 0.5 mile segment is Project 01-09, the next 1.5 miles is Project 01-11, and the Rest of River is Project 01-13.

One of the elements of this Consent Decree is for GE to implement remediation of PCB-contaminated sediments in the 0.5-mile segment of the East Branch of the Housatonic River, starting opposite the GE plant site. Elements of the remediation in the 0.5-mile segment include (1) removal of PCB-contaminated sediments, and restoration by capping and (2) removal of PCB-contaminated bank soils, and restoration by backfilling and seeding/planting. This work was estimated to remove 8,100 cubic yards of sediment and 4,000 cubic yards of bank soils from the one-half mile, with disposal into a dedicated TSCA landfill on the GE plant site. Targeted PCB cleanup levels in bank soils are 10 ppm avg. PCBs in the top foot and 15 ppm avg. from one to three feet deep.

Work on the one-half mile segment started in mid-October 1999. Sediment removal began in mid-November 1999 and was completed in July 2002. Removal work was performed year-around, weather permitting. Sediment removal was performed by dry excavation from within dewatered, sheetpiled cells. A total of 6,356 cy of bank soils and 11,782 cy of sediment was removed. The removed bank soils were predominantly TSCA material (76.6%, vs. 23.4% non-TSCA). The majority of removed sediments were non-TSCA material (78.4%, vs. 21.6% TSCA). Water collected and treated as a result of the dewatering activities totaled 178.3 million gallons.

After sediment removal was completed in each cell, an isolation cap system was installed. The isolation cap typically consisted of, from bottom to top, a geotextile layer, an isolation sand layer, another layer of geotextile and geogrid, and a stone armor layer. Excavated bank areas were backfilled and revegetated.

The progress of the project was slowed by the periodic presence of non-aqueous phase liquids (NAPLs), often consisting of PCBs and coal tar, or just coal tar. The presence of NAPL caused a temporary work stoppage to determine the possible source, extent, and method of control. NAPLs were either removed, or controlled by some means such as by installation of barrier walls or recovery and monitoring wells, or both. (Volumes of NAPL-impacted material removed included 715 cy of bank soil and 2,662 cy of sediment -- volumes which are included in the above soil and sediment removal volumes.) High-flow events in June 2000 and again in April 2001 also slowed the project.

Work was completed in October 2002.

Remedial Action Planned: ☒

Risk Assessment: ☐

Remedial Action Implemented: ☒

Status of Dredging ☐

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<i>Last Updated:</i>	11/26/03	

<i>PRPs:</i>	<input checked="" type="checkbox"/>
<i>Contacts:</i>	<input checked="" type="checkbox"/>
<i>References:</i>	<input checked="" type="checkbox"/>
<i>Modeling:</i>	<input type="checkbox"/>
<i>Fishing Advisory:</i>	<input checked="" type="checkbox"/>
<i>Key Conditions:</i>	capping, dedicated landfill or CDF, floating oil, floodplains targeted, habitat/streambank restoration, post monitoring

REMEDIAL ACTION PLANNED

Project Name	<u>HOUSATONIC RIVER - PROJECT 2 (First Half Mile)</u>	ProjectID: 01-09
Last Updated:	12/27/99	
Target Sediment Cleanup Standards (TSCS):	None	
How TSCS Established:	N/A	
Target Bank and Floodplain Cleanup Levels (if applicable):	Remove and restore bank soils to achieve 10 ppm PCBs average in top foot and 15 ppm average at 1 to 3 feet depth, in each of seven averaging areas. No floodplains are targeted in the first half mile.	
Other Target:		
Environmental Sample Data References:	<ul style="list-style-type: none">• Sediment:• Water:• Fish:	
Estimated Target Volume:	8,100 cy sediments; 4,000 cy bank soils.	
Planned Disposal Method:	Dedicated TSCA landfill on GE plant site.	
Estimated Calendar Time to Implement Remedy:	October 1999 to May 2001	
Estimated Time to Implement Remedy:	21 months	
Estimated Cost to Implement Remedy:	\$4-plus million	
Stated Remedial Action Objectives (and Source):	Reference S-11: Achieve a clean-up that is protective of human health and the environment within the Upper One-Half Mile Reach and prevent further downstream migration of contaminants.	
Measures of Success to be Used:	Not defined	
Planned Monitoring and Restoration:	<p>After removal of sediments to the defined depth, a multi-layer engineered cap will be placed on excavated areas. The cap is expected to consist of (from bottom to top) geotextile, six inches of sand, geogrid, and one foot of rock.</p> <p>Monitoring of PCBs in caged mussels will be performed before, during, and following the remediation.</p> <p>Reference S-11: After completion of the removal and capping, GE shall conduct sampling of the surface of the sediments for PCBs at three five-year intervals. If this sampling indicates the deposition of PCBs on the surface and such PCBs are attributed to sources other than those at the Consent Decree Site, GE shall evaluate potential source control measures. Otherwise, no further response actions shall be required. Also, GE will perform or fund habitat enhancements. Further, GE shall conduct periodic inspections of the restored banks. If these inspections indicate significant erosion, GE shall propose appropriate corrective measures.</p>	

REMEDIAL ACTION PLANNED

<i>Project Name</i>	<i><u>HOUSATONIC RIVER - PROJECT 2 (First Half Mile)</u></i>	<i>ProjectID:</i> 01-09
<i>Last Updated:</i>	12/27/99	

***Agency Position on Sediment
Removal (and Source):***

REMEDIAL ACTION IMPLEMENTED

Project Name:	<u>HOUSATONIC RIVER - PROJECT 2 (First Half Mile)</u>	ProjectID: 01-09
Last Updated:	11/26/03	
Physical Target:	Sediments and river banks in a 0.5 mile segment of the East Branch of the Housatonic River, starting opposite the GE plant site in the City of Pittsfield, MA.	
Goals:	For the banks, the target PCB cleanup levels were spatial averages of less than 10 ppm in the upper one foot and 15 ppm in the 1-3 foot interval for seven pre-established averaging areas. There was no target cleanup level for PCBs in sediment. GE and EPA mutually agreed on removal depths on a polygon area by polygon area basis.	
Primary Contractor:	Maxymillian Technologies	
Other Contractors:	Blasland, Bouck & Lee (design)	
Generic Remediation Method:	Dry excavation	
Equipment:	Long-reach excavators and other earth moving equipment; removal of sediment was accomplished from within sheetpiled cells	
Material Handling:	The removed material was placed in a temporary staging area to allow water to drain before transport of the material to a dedicated TSCA landfill on the GE plant site.	
Volume Removed:	6,356 cy of bank soils; 11,782 cy of sediment	
Calendar Time:	mid-November 1999 thru July 2002 for removal	
Time To Implement:	32 months for removal (including backfilling and bank restoration); 36 months including all mob and demob activities	
Total Cost:	Not available	
Dredging Cost:	N/A	
Disposal of Sediment:	Onsite disposal in a dedicated TSCA landfill	
Volume of Water:	178.3 million gallons	
Method of Water Treatment:		
Water Discharge Limit:		
Air Monitoring During Remediation:	Periodic ambient air monitoring for PCBs and particulates at five locations. PCB Notification Level: 0.05 ug/m3 PCB Action Level: 0.1 ug/m3	
Water Monitoring During Remediation:		
Outcome:	A total of 6,356 cy of bank soils and 11,782 cy of sediment was removed from a 0.5 mile segment of the East Branch of the Housatonic River; opposite the GE plant site, in the City of Pittsfield, MA. Removal of sediment was accomplished in the dry from within dewatered, sheetpiled cells. After sediment removal was completed in each cell, an isolation cap system was installed, consisting of, from bottom to top, a geotextile layer, an isolation sand layer, another layer of geotextile and geogrid, and a stone armor layer. Excavated bank areas were backfilled and revegetated. Removal (and backfilling, capping, and revegetation) took 32 months, including winter work. Disposal was to a dedicated landfill on the GE plant site.	

REMEDIAL ACTION IMPLEMENTED

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<i>Restoration and Post-Monitoring:</i>	Post-removal monitoring activities include the following: <ul style="list-style-type: none">• Water column monitoring for PCBs, TSS, turbidity, temperature, flow, and depth, three times a year for five years• Biota monitoring (caged mussels) for PCBs: one event• Sediment isolation layers for PCBs and TOC at one year and five years after placement• Armor stone layer for thickness once per year for five years• Sediments on armor stone for PCBs, at 5, 10, and 15 years after completion• Restored bank soil for erosion two times per year for the first year and once per year for years 2-5• Restored bank vegetation for quantity, invasive species, and percent ground cover twice per year for three years and once per year for years 5 and 7• Source Control (sheetpile barrier walls): measure NAPL thickness either weekly, monthly, or quarterly depending on location	

Site-Specific Difficulties:

Monitoring Data

References:

- ***Sediment***
- ***Water:***
- ***Fish:***

POTENTIALLY RESPONSIBLE PARTIES

Project Name HOUSATONIC RIVER - PROJECT 2 (First Half Mile)

ProjectID: 01-09

PRP Name: PRP INFORMATION NOT RELEASED

PRPID:

Street Address:

City:

State:

KEY CONTACTS

Project Name **HOUSATONIC RIVER - PROJECT 2 (First Half Mile)**

ProjectID: 01-09

Last Name: KEY CONTACT INFORMATION NOT RELEASED

Contact ID:

First Name:

Title:

Company:

Address:

City:

State:

Postal Code:

Work Phone # :

Other Phone #:

Fax # :

Email Address:

REFERENCES

Project Name HOUSATONIC RIVER - PROJECT 2 (First Half Mile)

ProjectID: 01-09

Reference Type: A

ReferenceID: 1015

Title: *Upper 1/2 Mile Reach Removal Action: Pittsfield, Massachusetts:
Post-Removal Monitoring Activities Summary*

Location: AEM

Category: Monitoring, Post

Prepared by/Author: US EPA Region I

**Preparer/Author
Address:**

Prepared For: General Public

Date Published: October 24, 2002

**Key Words and
Phrases:**

Reference Type: B

ReferenceID: 641

Title: *Housatonic River Half Mile Removal Action: Monthly Report for
04/07/01 through 05/04/01*

Location: AEM

Category: Site Update

Prepared by/Author: Andrew Silber, GE

**Preparer/Author
Address:** Corporate Environmental Programs
100 Woodlawn Avenue
Pittsfield, MA 01201

Prepared For: US EPA Region I and Mass DEP

Date Published: May 8, 2001

**Key Words and
Phrases:**

Reference Type: B

ReferenceID: 642

Title: *Upper One-Half Mile Reach of Housatonic River Removal Action
Monthly Report - May 2001*

Location: AEM

Category: Site Update

Prepared by/Author: Andrew Silber, GE

**Preparer/Author
Address:** Corporate Environmental Programs
100 Woodlawn Avenue
Pittsfield, MA 01201

Prepared For: US EPA Region I and Mass DEP

Date Published: June 8, 2001

**Key Words and
Phrases:**

REFERENCES

Project Name HOUSATONIC RIVER - PROJECT 2 (First Half Mile)

ProjectID: 01-09

Reference Type: B

ReferenceID: 643

Title: *Upper One-Half Mile Reach of Housatonic River Removal Action
Monthly Report for 05/05/01 through 06/01/01*

Location: AEM

Category: Site Update

Prepared by/Author: Andrew Silber, GE

**Preparer/Author
Address:** Corporate Environmental Programs
100 Woodlawn Avenue
Pittsfield, MA 01201

Prepared For: US EPA Region I and Mass DEP

Date Published: June 1, 2001

**Key Words and
Phrases:**

Reference Type: B

ReferenceID: 644

Title: *Upper One-Half Mile Reach of Housatonic River Removal Action
Monthly Report for 06/02/01 through 07/06/01*

Location: AEM

Category: Site Update

Prepared by/Author: Andrew Silber, GE

**Preparer/Author
Address:** Corporate Environmental Programs
100 Woodlawn Avenue
Pittsfield, MA 01201

Prepared For: US EPA Region I and Mass DEP

Date Published: July 12, 2001

**Key Words and
Phrases:**

REFERENCES

Project Name HOUSATONIC RIVER - PROJECT 2 (First Half Mile)

ProjectID: 01-09

Reference Type: B

ReferenceID: 645

Title: *Upper One-Half Mile Reach of Housatonic River Removal Action
Monthly Report for 07/07/01 through 08/01/01*

Location: AEM

Category: Site Update

Prepared by/Author: Andrew Silber, GE

**Preparer/Author
Address:** Corporate Environmental Programs
100 Woodlawn Avenue
Pittsfield, MA 01201

Prepared For: US EPA Region I and Mass DEP

Date Published: August 1, 2001

**Key Words and
Phrases:**

Reference Type: B

ReferenceID: 646

Title: *Upper One-Half Mile Reach of Housatonic River Removal Action
Monthly Report for 09/01/01 through 10/01/01*

Location: AEM

Category: Site Update

Prepared by/Author: Andrew Silber, GE

**Preparer/Author
Address:** Corporate Environmental Programs
100 Woodlawn Avenue
Pittsfield, MA 01201

Prepared For: US EPA Region I and Mass DEP

Date Published: October 10, 2001

**Key Words and
Phrases:**

REFERENCES

Project Name HOUSATONIC RIVER - PROJECT 2 (First Half Mile)

ProjectID: 01-09

Reference Type: B

ReferenceID: 647

Title: *Upper One-Half Mile Reach of Housatonic River Removal Action
Monthly Report for 10/01/01 through 11/02/01*

Location: AEM

Category: Site Update

Prepared by/Author: Andrew Silber, GE

**Preparer/Author
Address:** Corporate Environmental Programs
100 Woodlawn Avenue
Pittsfield, MA 01201

Prepared For: US EPA Region I and Mass DEP

Date Published: November 7, 2001

**Key Words and
Phrases:**

Reference Type: B

ReferenceID: 648

Title: *Upper One-Half Mile Reach of Housatonic River Removal Action
Monthly Report for 12/01/01 through 01/04/02*

Location: AEM

Category: Site Update

Prepared by/Author: Andrew Silber, GE

**Preparer/Author
Address:** Corporate Environmental Programs
100 Woodlawn Avenue
Pittsfield, MA 01201

Prepared For: US EPA Region I and Mass DEP

Date Published: January 9, 2002

**Key Words and
Phrases:**

REFERENCES

Project Name HOUSATONIC RIVER - PROJECT 2 (First Half Mile)

ProjectID: 01-09

Reference Type: B

ReferenceID: 696

Title: *Upper One-Half Mile Reach of Housatonic River Removal Action
Monthly Report for 03/01/02 through 04/01/02*

Location: AEM

Category: Site Update

Prepared by/Author: Andrew Silber, GE

**Preparer/Author
Address:** Corporate Environmental Programs
100 Woodlawn Avenue
Pittsfield, MA 01201

Prepared For: US EPA Region I and Mass DEP

Date Published: April 5, 2002

**Key Words and
Phrases:**

Reference Type: B

ReferenceID: 697

Title: *Upper One-Half Mile Reach of Housatonic River Removal Action
Monthly Report for 04/01/02 through 04/30/02*

Location: AEM

Category: Site Update

Prepared by/Author: Andrew Silber, GE

**Preparer/Author
Address:** Corporate Environmental Programs
100 Woodlawn Avenue
Pittsfield, MA 01201

Prepared For: US EPA Region I and Mass DEP

Date Published: May 1, 2002

**Key Words and
Phrases:**

REFERENCES

Project Name **HOUSATONIC RIVER - PROJECT 2 (First Half Mile)**

ProjectID: 01-09

Reference Type: B

ReferenceID: 731

Title: ***Upper One-Half Mile Reach of Housatonic River Removal Action
Monthly Report for 07/01/02 through 07/31/02***

Location: AEM

Category: Site Update

Prepared by/Author: Andrew Silber, GE

**Preparer/Author
Address:** Corporate Environmental Programs
100 Woodlawn Avenue
Pittsfield, MA 01201

Prepared For: US EPA Region I and Mass DEP

Date Published: August 7, 2002

**Key Words and
Phrases:**

Reference Type: B

ReferenceID: 862

Title: ***Spotlight On: The Housatonic River***

Location: AEM

Category: Site Update

Prepared by/Author: Susan Pastor

**Preparer/Author
Address:** US EPA Region V

Prepared For: Fox River Current

Date Published: May/June 2000

**Key Words and
Phrases:**

Reference Type: B

ReferenceID: 865

Title: ***Statewide Provisional Waterfowl Consumption Advisory***

Location: AEM

Category: Contaminated Sediments: Characteristics/Bioavailability

Prepared by/Author: The Commonwealth of Massachusetts

**Preparer/Author
Address:** Executive Office of Health and Human Services
Department of Public Health
250 Washington Street
Boston, MA 02108-4619

Prepared For: General Public

Date Published: August 1999

**Key Words and
Phrases:**

REFERENCES

Project Name HOUSATONIC RIVER - PROJECT 2 (First Half Mile)

ProjectID: 01-09

Reference Type: B

ReferenceID: 868

Title: *Waterfowl Samples from Housatonic River Show Elevated Levels of PCBs; State Department of Public Health Issues Duck Consumption Advisory*

Location: AEM

Category: Contaminated Sediments: Characteristics/Bioavailability

Prepared by/Author: US EPA Region I

**Preparer/Author
Address:**

Prepared For: General Public

Date Published: August 27, 1999

**Key Words and
Phrases:**

Reference Type: B

ReferenceID: 940

Title: *Memo re: Housatonic River Flood*

Location: AEM

Category: Site Update

Prepared by/Author: Andrew Silber, GE

**Preparer/Author
Address:**

Prepared For: Distribution

Date Published: June 7, 2000

**Key Words and
Phrases:**

Reference Type: B

ReferenceID: 972

Title: *e-mail re: 1/2 Mile*

Location: AEM

Category: Site Update

Prepared by/Author: Andrew Silber, GE

**Preparer/Author
Address:**

Prepared For: AEM, Inc.

Date Published: March 14, 2000

**Key Words and
Phrases:**

REFERENCES

Project Name HOUSATONIC RIVER - PROJECT 2 (First Half Mile)

ProjectID: 01-09

Reference Type: B

ReferenceID: 973

Title: *Upper 1/2-Mile Reach Removal Action: Monthly Progress Report:
July 2002*

Location: AEM

Category: Site Update

Prepared by/Author: GE

**Preparer/Author
Address:**

Prepared For: US EPA Region I

Date Published: July 2002

**Key Words and
Phrases:**

Reference Type: B

ReferenceID: 974

Title: *Upper 1/2-Mile Reach Removal Action: Monthly Progress Report:
September 2002*

Location: AEM

Category: Site Update

Prepared by/Author: GE

**Preparer/Author
Address:**

Prepared For: US EPA Region I

Date Published: September 2002

**Key Words and
Phrases:**

Reference Type: B

ReferenceID: 975

Title: *e-mail re: Question Re Housatonic*

Location: AEM

Category: Site Update

Prepared by/Author: Stuart Messur, BBL

**Preparer/Author
Address:**

Prepared For: AEM, Inc.

Date Published: October 29, 2002

**Key Words and
Phrases:**

REFERENCES

Project Name HOUSATONIC RIVER - PROJECT 2 (First Half Mile)

ProjectID: 01-09

Reference Type: B

ReferenceID: 1043

Title: *e-mail re: Question (re cost and rail)*

Location: AEM

Category: Site Update

Prepared by/Author: Andrew Silber

Preparer/Author

Address:

Prepared For: AEM, Inc.

Date Published: February 13, 2004

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 451

Title: *PCB-laden sediment cleanup plans set for Mass. sites*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Environmental Science & Technology, 1998, Vol. 32, No. 23, pp 536 A

Date Published: December 1, 1998

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 514

Title: *Housatonic R. Estimates Reach \$750M As GE Readies to Begin
First Cleanup*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Superfund Week

Date Published: October 22, 1999

**Key Words and
Phrases:**

REFERENCES

Project Name HOUSATONIC RIVER - PROJECT 2 (First Half Mile)

ProjectID: 01-09

Reference Type: C

ReferenceID: 852

Title: *Mass.: GE Pays for Damages to River*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Hazardous Waste/Superfund Week

Date Published: April 8, 2002

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 1007

Title: *Remedies Suggested for Housatonic R.; Corps Soon to Announce
\$150M Award*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Superfund Week

Date Published: March 24, 2000

**Key Words and
Phrases:**

Reference Type: C

ReferenceID: 1010

Title: *As Corps Awards Housatonic Contract, Property Owners Want
More to be Done*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Superfund Week

Date Published: April 14, 2000

**Key Words and
Phrases:**

REFERENCES

Project Name HOUSATONIC RIVER - PROJECT 2 (First Half Mile)

ProjectID: 01-09

Reference Type: D
Title: *PCB settlement reached*
Location: AEM
Category: Site Update
Prepared by/Author: Theo Stein
Preparer/Author Address:
Prepared For: The Pittsfield (MA) Berkshire Eagle
Date Published: September 25, 1998
Key Words and Phrases:

ReferenceID: 86

Reference Type: D
Title: *PCB accord reached for Pittsfield*
Location: AEM
Category: Site Update
Prepared by/Author: Jeff Donn
Preparer/Author Address:
Prepared For: The Troy (NY) Record
Date Published: September 25, 1998
Key Words and Phrases:

ReferenceID: 87

Reference Type: D
Title: *G.E. Agrees to Clean Part of Tainted River in Massachusetts*
Location: AEM
Category: Site Update
Prepared by/Author: David Stout
Preparer/Author Address:
Prepared For: The New York (NY) Times
Date Published: September 25, 1998
Key Words and Phrases:

ReferenceID: 88

REFERENCES

Project Name HOUSATONIC RIVER - PROJECT 2 (First Half Mile)

ProjectID: 01-09

Reference Type: D
Title: *GE to pay for cleanup of PCBs in Pittsfield*
Location: AEM
Category: Site Update
Prepared by/Author: Paul Zielbauer
Preparer/Author Address:
Prepared For: The Albany (NY) Times Union
Date Published: September 25, 1998
Key Words and Phrases:

ReferenceID: 89

Reference Type: D
Title: *General Electric Agrees to \$200 Million Settlement to Clean Up the Housatonic River*
Location: AEM
Category: Site Update
Prepared by/Author:
Preparer/Author Address: AOLNews@aol.com
Prepared For: General Public
Date Published: September 24, 1998
Key Words and Phrases:

ReferenceID: 90

Reference Type: D
Title: *GE to pay cleanup costs for transformer site*
Location: AEM
Category: Site Update
Prepared by/Author: Bette Hileman
Preparer/Author Address: Chemical and Engineering News
Washington, DC
Prepared For: Chemical and Engineering News (C&EN)
Date Published: October 5, 1998
Key Words and Phrases:

ReferenceID: 91

REFERENCES

Project Name HOUSATONIC RIVER - PROJECT 2 (First Half Mile)

ProjectID: 01-09

Reference Type: D

ReferenceID: 92

Title: *GE to Clean PCBs from Housatonic*

Location: AEM

Category: Site Update

Prepared by/Author:

Preparer/Author

Address:

Prepared For: Engineering News-Record (ENR)

Date Published: January 6, 1997

**Key Words and
Phrases:**

Reference Type: D

ReferenceID: 118

Title: *Court asked to intervene in GE cleanup agreement*

Location: AEM

Category: Legal

Prepared by/Author: Unknown

Preparer/Author

Address:

Prepared For: The Worcester (MA) Telegram & Gazette

Date Published: February 22, 2000

**Key Words and
Phrases:**

Reference Type: D

ReferenceID: 138

Title: *EPA files response to critics of cleanup*

Location: AEM

Category: Site Update

Prepared by/Author: Jack Dew

Preparer/Author

Address:

Prepared For: The Pittsfield (MA) Berkshire Eagle

Date Published: October 25, 2000

**Key Words and
Phrases:**

REFERENCES

Project Name HOUSATONIC RIVER - PROJECT 2 (First Half Mile)

ProjectID: 01-09

Reference Type:

D

ReferenceID: 169

Title:

GE working through winter on cleanup of PCBs in river

Location:

AEM

Category:

Site Update

Prepared by/Author:

Jack Dew

Preparer/Author

Address:

Prepared For:

The Pittsfield (MA) Berkshire Eagle

Date Published:

January 25, 2001

**Key Words and
Phrases:**

Reference Type:

D

ReferenceID: 392

Title:

River cleanup goes into high gear - EPA to begin second phase

Location:

AEM

Category:

Site Update

Prepared by/Author:

Jack Dew

Preparer/Author

Address:

Prepared For:

The Pittsfield (MA) Berkshire Eagle

Date Published:

May 12, 2002

**Key Words and
Phrases:**

Reference Type:

D

ReferenceID: 440

Title:

GE officials pleased with pace of cleanup

Location:

AEM

Category:

Site Update

Prepared by/Author:

Bill Carey

Preparer/Author

Address:

Prepared For:

The Pittsfield (MA) Berkshire Eagle

Date Published:

January 17, 2002

**Key Words and
Phrases:**

REFERENCES

Project Name **HOUSATONIC RIVER - PROJECT 2 (First Half Mile)**

ProjectID: 01-09

Reference Type: J

ReferenceID: 3

Title: **GE/Housatonic River Site: Housatonic River 1/2 Mile Removal**

Location: AEM

Category: Site Update

Prepared by/Author: US EPA Region I

Preparer/Author Address: <http://www.epa.gov/region01/ge/thesite/halfmile.html>

Prepared For: General Public

Date Published: July 18, 2000

Key Words and Phrases:

Reference Type: K

ReferenceID: 25

Title: **Project Photos**

Location: AEM

Category: Miscellaneous

Prepared by/Author: Severson

Preparer/Author Address:

Prepared For: Distribution

Date Published: Undated

Key Words and Phrases:

Reference Type: L

ReferenceID: 86

Title: **Memo re: Precedent for Extended Sediment Remediation in Rivers and Streams**

Location: AEM

Category: Contaminated Sediments: Overview of Issues

Prepared by/Author: AEM, Inc.

Preparer/Author Address: Malvern, PA 19355

Prepared For: Distribution

Date Published: August 15, 2000

Key Words and Phrases:

REFERENCES

Project Name **HOUSATONIC RIVER - PROJECT 2 (First Half Mile)**

ProjectID: 01-09

Reference Type: S

ReferenceID: 11

Title: ***EPA Summary of Agreement: General Electric/Pittsfield -
Housatonic River Site***

Location: AEM

Category: Legal

Prepared by/Author: US EPA Region I

**Preparer/Author
Address:**

Prepared For: Settling Parties

Date Published: October 7, 1999

**Key Words and
Phrases:**

FISH ADVISORIES

Project Name ***HOUSATONIC RIVER - PROJECT 2 (First Half Mile)***

ProjectID: 01-09

Advisory: Housatonic River

AdvisoryID: 460

Extent: All towns from Dalton to Sheffield

Pollutant: PCBs (total)

Species: all fish

Population: NCGP

Population Definition: No Consumption-General Population: Advise against consumption by the general population.

Advisory Type: River

Advisory Number: 188

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Elaine Krueger

Contact Number: 617-624-5757

Advisory: Housatonic River

AdvisoryID: 461

Extent: All towns from Dalton to Sheffield

Pollutant: PCBs (total)

Species: all fish

Population: NCSP

Population Definition: No Consumption-Subpopulation(s): Advises against consumption for populations that are potentially at greater risk, e.g., pregnant or nursing women, and small children.

Advisory Type: River

Advisory Number: 188

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Elaine Krueger

Contact Number: 617-624-5757

Advisory: Housatonic River

AdvisoryID: 463

Extent: All towns from Dalton to Sheffield

Pollutant: PCBs (total)

Species: frogs

Population: NCGP

Population Definition: No Consumption-General Population: Advise against consumption by the general population.

Advisory Type: River

Advisory Number: 188

Status (Active or Rescinded): Active

Date Rescinded:

Contact Name: Elaine Krueger

Contact Number: 617-624-5757

FISH ADVISORIES

Project Name **HOUSATONIC RIVER - PROJECT 2 (First Half Mile)**

ProjectID: 01-09

Advisory: Housatonic River ***AdvisoryID:*** 903
Extent: All towns from Dalton to Sheffield
Pollutant: PCBs (total)
Species: frogs
Population: NCSP
Population Definition: No Consumption-Subpopulation(s): Advises against consumption for populations that are potentially at greater risk, e.g., pregnant or nursing women, and small children.
Advisory Type: River ***Advisory Number:*** 188
Status (Active or Rescinded): Active ***Date Rescinded:***
Contact Name: Elaine Krueger ***Contact Number:*** 617-624-5757

Advisory: Housatonic River ***AdvisoryID:*** 462
Extent: All towns from Dalton to Sheffield
Pollutant: PCBs (total)
Species: turtles
Population: NCGP
Population Definition: No Consumption-General Population: Advise against consumption by the general population.
Advisory Type: River ***Advisory Number:*** 188
Status (Active or Rescinded): Active ***Date Rescinded:***
Contact Name: Elaine Krueger ***Contact Number:*** 617-624-5757

Advisory: Housatonic River ***AdvisoryID:*** 902
Extent: All towns from Dalton to Sheffield
Pollutant: PCBs (total)
Species: turtles
Population: NCSP
Population Definition: No Consumption-Subpopulation(s): Advises against consumption for populations that are potentially at greater risk, e.g., pregnant or nursing women, and small children.
Advisory Type: River ***Advisory Number:*** 188
Status (Active or Rescinded): Active ***Date Rescinded:***
Contact Name: Elaine Krueger ***Contact Number:*** 617-624-5757
