

New England District Concord, Massachusetts



Region I Boston, Massachusetts

## **FINAL DRAFT**

# PHASE 1 HUMAN HEALTH RISK ASSESSMENT FOR REST OF RIVER

**Volume II – Figures** 

DCN: GE-110101-AASO

1 November 2001

# Environmental Remediation Contract General Electric (GE)/Housatonic River Project Pittsfield, Massachusetts

Contract No. DACW33-00-D-0006

Task Order No. 0003





# PHASE 1 HUMAN HEALTH RISK ASSESSMENT FOR REST OF RIVER

#### **VOLUME II—FIGURES**

#### ENVIRONMENTAL REMEDIATION CONTRACT GENERAL ELECTRIC (GE)/HOUSATONIC RIVER PROJECT PITTSFIELD, MASSACHUSETTS

Contract No. DACW33-00-D-0006 Task Order No. 0003 DCN: GE-110101-AASO

Prepared for

U.S. ARMY CORPS OF ENGINEERS NEW ENGLAND DISTRICT CONCORD, MASSACHUSETTS

AND

U.S. ENVIRONMENTAL PROTECTION AGENCY REGION I BOSTON, MASSACHUSETTS

Prepared by

**ROY F. WESTON, INC.** 

West Chester, Pennsylvania 19380

and

**AVATAR ENVIRONMENTAL, LLC** 

Exton, Pennsylvania 19341

1 November 2001

W.O. No. 20123.001.096.0721

## VOLUME II LIST OF FIGURES

Figure 1-1	Phase 1 Site Screening Approach
Figure 2-1	Phase 1 Site Screening Approach for Residential Exposure
Figure 2-2	Phase 1 Site Screening Approach for Recreational Exposure
Figure 2-3	Phase 1 Site Screening Approach for Agricultural Exposure
Figure 2-4	Phase 1 Site Screening Approach for Commercial/Industrial Exposure
Figure 3-1	Index of Floodplain Tax Parcel Maps for Reaches 5 and 6
Figure 3-2	PCB Results for Tax Parcels H6-4-13 and H6-4-5
Figure 3-3	PCB Results for Tax Parcels I6-1-41, I6-1-27, I6-1-42, I6-1-3, I6-1-2, and I6-1-1
Figure 3-4	PCB Results for Tax Parcels I5-11
Figure 3-5	PCB Results for Tax Parcels I6-3-1, I6-3-13, I6-2-6, and I6-2-1
Figure 3-6	PCB Results for Tax Parcels J6-2-2, J6-2-11, J6-2-3, J6-2-1, J6-3-1, and J6-3-2
Figure 3-7	PCB Results for Tax Parcels J5-2-110, J5-2-10, J5-2-9, J5-2-8, J5-2-7, and J5-2-6
Figure 3-8	PCB Results for Tax Parcel J6-4-2
Figure 3-9	PCB Results for Tax Parcels J5-2-5, J5-5-105, J5-2-11, and J5-2-4
Figure 3-10	PCB Results for Tax Parcel K4-6-28
Figure 3-11	PCB Results for Tax Parcels J4-8-5, J4-3-13, J4-8-8, J4-8-2, and J4-8-10

Figure 3-12	PCB Results for Tax Parcels J4-3-7, J4-3-12, J4-3-8, J4-3-9, J4-3-10, J4-3-11, J3-1-14, and J3-1-13
Figure 3-13	PCB Results for Tax Parcel J3-2-1
Figure 3-14	PCB Results for Tax Parcels J3-1-12, J3-1-11, J3-1-7, J3-1-10, J3-1-9, J3-1-6, and J3-1-8
Figure 3-15	PCB Results for Tax Parcels J3-2-2, J3-2-3, J3-2-4, J3-2-5, and J3-2-6
Figure 3-16	PCB Results for Tax Parcel J2-2-2
Figure 3-17	PCB Results for Tax Parcels K3-1-19, K3-1-2, and K3-1-1
Figure 3-18	PCB Results for Tax Parcels K2-1-10, K2-1-5, K2-1-4, K2-1-3, and K2-1-2
Figure 3-19	PCB Results for Tax Parcel J2-2-1
Figure 3-20	PCB Results for Tax Parcel K2-1-1
Figure 3-21	PCB Results for Tax Parcel K1-1-10
Figure 3-22	PCB Results for Tax Parcel 33-40
Figure 3-23	PCB Results for Tax Parcel 34-1
Figure 3-24	PCB Results for Tax Parcel 29-3
Figure 3-25	PCB Results for Tax Parcels 29-9 and 29-5
Figure 3-26	PCB Results for Tax Parcel 29-2
Figure 3-27	PCB Results for Tax Parcel 29-1
Figure 3-28	PCB Results for Tax Parcel 23-37

Figure 3-29	PCB Results for Tax Parcels 24-7, 24-6, 24-5, 24-4, 24-3, and 24-1
Figure 3-30	PCB Results for Tax Parcels 19-3 and 19-2
Figure 3-31	PCB Results for Tax Parcels 18-84 and 19-5
Figure 3-32	PCB Results for Tax Parcel 18-85
Figure 3-33	PCB Results for Tax Parcel 19-1
Figure 3-34	PCB Results for Tax Parcels 18-86 and 13-1
Figure 3-35	PCB Results for Tax Parcel 13-2
Figure 3-36	PCB Results for Tax Parcels 14-4 and 1-4
Figure 3-37	PCB Results for Tax Parcels 1-3, 1-1, and 2-8
Figure 3-38	PCB Results for Tax Parcels 9-14, 9-16, 9-17, 9-18, and 2-4
Figure 3-39	Index of Utility Easement Maps for Reaches 5 and 6
Figure 3-40	PCB Results for Utility Easements 1, 2, 3, and 4
Figure 3-41	PCB Results for Utility Easements 5, 6, and 7
Figure 3-42	PCB Results for Utility Easements 8, 9, and 10
Figure 3-43	PCB Results for Utility Easements 11 and 12
Figure 3-44	PCB Results for Utility Easement 13
Figure 3-45	Index of Riverbank and Sediment Exposure Area Maps for Reaches 5 and 6

Figure 3-46	PCB Results for Exposure Area 1
Figure 3-47	PCB Results for Exposure Area 2
Figure 3-48	PCB Results for Exposure Area 3
Figure 3-49	PCB Results for Exposure Area 4
Figure 3-50	PCB Results for Exposure Area 5
Figure 3-51	PCB Results for Exposure Area 6
Figure 3-52	PCB Results for Exposure Area 7
Figure 3-53	PCB Results for Exposure Area 8
Figure 3-54	PCB Results for Exposure Area 9
Figure 3-55	PCB Results for Exposure Area 10
Figure 3-56	PCB Results for Exposure Area 11
Figure 3-57	PCB Results for Exposure Area 12
Figure 3-58	PCB Results for Exposure Area 13
Figure 3-59	PCB Results for Exposure Area 14
Figure 3-60	PCB Results for Exposure Area 15
Figure 3-61	PCB Results for Exposure Area 16
Figure 3-62	PCB Results for Exposure Area 17

Figure 3-63	PCB Results for Exposure Area 18
Figure 3-64	PCB Results for Exposure Area 19
Figure 3-65	PCB Results for Exposure Area 20
Figure 3-66	PCB Results for Exposure Area 21
Figure 3-67	PCB Results for Exposure Area 22
Figure 3-68	PCB Results for Exposure Area 23
Figure 4-1	Index of High-Contact Residential Floodplain Maps for Reaches 7 and 8
Figure 4-2	PCB Results in Floodplain High-Contact Residential Areas
Figure 4-3	PCB Results in Floodplain High-Contact Residential Areas
Figure 4-4	PCB Results in Floodplain High-Contact Residential Areas
Figure 4-5	PCB Results in Floodplain High-Contact Residential Areas
Figure 4-6	PCB Results in Floodplain High-Contact Residential Areas
Figure 4-7	PCB Results in Floodplain High-Contact Residential Areas
Figure 4-8	PCB Results in Floodplain High-Contact Residential Areas
Figure 4-9	PCB Results in Floodplain High-Contact Residential Areas
Figure 4-10	PCB Results in Floodplain High-Contact Residential Areas
Figure 4-11	PCB Results in Floodplain High-Contact Residential Areas

Figure 4-12	PCB Results in Floodplain High-Contact Residential Areas
Figure 4-13	PCB Results in Floodplain High-Contact Residential Areas
Figure 4-14	PCB Results in Floodplain High-Contact Residential Areas
Figure 4-15	PCB Results in Floodplain High-Contact Residential Areas
Figure 4-16	Index of Floodplain Maps (Non-HCRA) for Reaches 7 and 8
Figure 4-17	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-18	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-19	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-20	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-21	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-22	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-23	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-24	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-25	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-26	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-27	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-28	PCB Results of Floodplain Soils in Exposure Areas

Figure 4-29	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-30	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-31	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-32	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-33	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-34	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-35	PCB Results of Floodplain Soils in Exposure Areas
Figure 4-36	Index of Sediment Maps For Reaches 7 and 8
Figure 4-37	PCB Results for the Area Between the Woods Pond Dam and Golden Hill Road
Figure 4-38	PCB Results for the Columbia Mill Dam Impoundment Area
Figure 4-39	PCB Results for the Eagle Mill Dam Impoundment Area
Figure 4-40	PCB Results for the Area Between Route 20 and Meadow Street
Figure 4-41	PCB Results for the Willow Mill Dam Impoundment Area
Figure 4-42	PCB Results for the Area Between the Willow Mill Dam Impoundment Area and Glendale Middle Road
Figure 4-43	PCB Results for the Glendale Dam Impoundment Area
Figure 4-44	PCB Results for the Area Between the Glendale Impoundment Area and the Route 183 Bridge
Figure 4-45	PCB Results for the Rising Pond Impoundment Area

Figure 5-1	Index of Figures for Section 5
Figure 5-2	PCB Results for Reach 9 Agricultural Area
Figure 5-3	PCB Results for Bartholomew's Cobble Recreation Area













