4 CD-0154
SDMS 40205

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

Transmitted via Overnight Delivery

January 2, 2003

Mr. Bryan Olson
EPA Project Coordinator
U.S. Environmental Protection Agency
EPA New England
One Congress Street, Suite 1100
Boston, Massachusetts 02114-2023

Re: GE-Pittsfield/Housatonic River Site
Former Oxbow Areas J and K (GECD420)
Addendum to Pre-Design Investigation Work Plan

Dear Mr. Olson:

In June 2002, the General Electric Company (GE) submitted to the U.S. Environmental Protection Agency (EPA) a document entitled *Pre-Design Investigation Work Plan for Former Oxbow Areas J and K Removal Action* (PDI Work Plan). That document was prepared in accordance with the Consent Decree (CD) for the GE-Pittsfield/Housatonic River Site and the accompanying *Statement of Work for Removal Actions Outside the River* (SOW). Subsequently, in a letter dated November 19, 2002, EPA provided conditional approval of the PDI Work Plan and required that GE prepare an Addendum to address the conditions in that letter. This letter provides the required information. In addition, based on the EPA conditional approval letter, this letter provides, as attachments, revised and updated versions of the tables and figures from the PDI Work Plan. Finally, this letter presents a proposed schedule for completing the pre-design investigations at Former Oxbow Areas J and K and submitting a Pre-Design Investigation Report.

Modifications to Pre-Design Investigation

The following paragraphs address each of the conditions in EPA's conditional approval letter and describe the resulting modifications to the scope of the pre-design investigations. These modifications are consistent with EPA's conditional approval letter, except that, in a few instances, GE presents alternate proposals for EPA review and approval. The June 2002 PDI Work Plan, together with the modifications described in this letter Addendum, present the proposed scope of pre-design soil investigations for the Former Oxbow Areas J and K Removal Action Area (RAA).

1. As required in Condition No. 1 of EPA's conditional approval letter, GE has conducted a further review of utility drawings obtained from the City of Pittsfield. From this review, it was confirmed that the locations of the utilities depicted on Figures 3 and 4 of the PDI Work Plan (including a potable water main, sanitary sewer line, and stormwater pipeline located within the RAA) are generally accurate. In addition, the available information indicates that these utilities are all present within 15 feet of the ground surface. One exception is a portion of the sanitary sewer line located within Former Oxbow Area K, where the utility bedding is present at a depth of approximately 15.5 feet below grade near sample grid location RAA15-N6. GE does not believe that additional sampling at this location is necessary.

Based on the information summarized above, GE proposes one change in the pre-design soil sampling related to characterization of soils near subsurface utilities. In its conditional approval letter, EPA directed GE to install a soil boring at sample RAA15-D3 to provide additional subsurface soil PCB characterization for the utility corridor in this area. However, GE instead proposes to advance a soil boring at RAA15-D2 to provide better spatial coverage within the utility band. Revised Tables 3A and 4A and Figure 4 (attached) reflect this proposed change.

2. Condition No. 2 of EPA's conditional approval letter provides clarification regarding the characterization of several undeveloped streets and right-of-ways. These changes result in several modifications to the proposed pre-design investigations, as detailed in item iv of this EPA condition. The tables and figures attached to this Addendum reflect the changes identified by EPA in its Comment No. 2.iv. In addition, GE has added two additional surface soil samples in the vicinity of Parcel K10-10-5 -- RAA15-J8.5 and RAA15-L8.5, as shown in attached Tables 3B and 4B and Figure 4.

3. Condition No. 3 of EPA's conditional approval letter directs GE to modify the proposed Appendix IX+3 soil investigations at the non-residential portions of this RAA by adding or re-locating a number of the proposed Appendix IX+3 samples. GE has adopted the additions and modifications described in this EPA comment, and the attached revised tables and figures reflect those changes, with the following exception:

   After further review, there is confusion regarding the 3rd and 9th bullets of EPA's Condition No. 3. EPA requires that additional soil samples be collected at location RAA15-J9 for Appendix IX+3 characterization at Parcel K10-10-4 – one at the 1- to 3-foot depth and one at the 3- to 6-foot depth. However, the RAA15-J9 location is not situated within Parcel K10-10-4. Rather, it is situated within residential Parcel K10-10-5, as expanded per Condition No. 2.iii of EPA's conditional approval letter. Moreover, the Appendix IX+3 sampling that is already proposed is sufficient to characterize these soils. Specifically, for Parcel K10-10-4 (which is very small), three Appendix IX+3 samples are already proposed for the overall 1- to 6-foot depth (two for the 1- to 3-foot depth and one for the 3- to 6-foot depth), as shown on Figure 6 and 7. For residential parcel K10-10-5, the Appendix IX+3 sampling requirements are met by the proposed sampling described under Condition No. 5 below. In these circumstances, GE does not believe that the additional samples at location RAA15-J9 are needed, and hence it proposes not to collect those samples.

   In addition, GE has further reviewed the available/proposed Appendix IX+3 sampling for the undeveloped portion of Longview Terrace that will be evaluated as a separate averaging area (consistent with Condition No. 2.i of EPA's conditional approval letter). Based on this review, GE proposes to collect an additional Appendix IX+3 sample at location RAA15-E1 at the 1- to 3-foot depth, so as to obtain a better subsurface distribution of Appendix IX+3 soil samples within this averaging area.

4. Condition No. 4 of EPA's conditional approval letter requires that GE collect samples to a depth of 15 feet at all 14 boring locations at residential Parcels K10-10-5 and K10-10-6 for PCB characterization. It also states that GE may analyze the samples from these borings for PCBs using an iterative approach, in which samples are analyzed in successively deeper increments until PCBs are not detected and field headspace readings do not exceed background in a deeper sample interval. Consistent with this condition, GE will collect the samples from the borings on these residential properties (which now total 15 borings, given the expansion of Parcel K10-10-5 per EPA Condition No. 2.iii) to a depth of 15 feet, as shown in attached Tables 3B and 4B and

Figure 4. GE will direct the laboratory to initially analyze the samples from the 0- to 1-foot, 1- to 3-foot, and 3- to 5-foot depth increments for PCBs. If the deepest of these samples does not show detected PCBs and field headspace readings do not exceed background (i.e., above ambient levels as measured with a portable photoionization detector [PID]), no deeper samples will be analyzed for PCBs. However, if either of these conditions is not met, the samples from deeper increments will be analyzed on an iterative basis until such conditions are achieved.

5. Condition No. 5 of EPA's conditional approval letter requires GE to collect a minimum of six samples from locations within residential Parcels K10-10-5 and K10-10-6 for Appendix IX+3 analyses. It further states that these samples must include samples from at least three subsurface soil locations. As shown on attached Table 4B and Figures 5, 6, and 7, GE proposes to collect samples for Appendix IX+3 analyses from the following locations and depth increments at these residential parcels:

0- to 1-foot depth

- Parcel K10-10-5 – RAA15-H11
- Parcel K10-10-6 – RAA15-L16
- Parcel K10-10-6 – RAA15-M11

Greater than 1-foot depth

- Parcel K10-10-5 – RAA15-H13 (1- to 3-foot depth)
- Parcel K10-10-6 – RAA15-P13 (1- to 3-foot depth)
- Parcel K10-10-6 – RAA15-L13 (3- to 5-foot depth)

As further stated in EPA's Condition No. 5, the above locations will be contingent upon the results of headspace analysis to be performed with a PID during sampling. If headspace readings warrant modification of these locations, GE will propose the changes to EPA, and seek EPA approval via a conference call.

6. Condition No. 6 of EPA's conditional approval letter requires that Table 1 and Figure 3 be amended to include soil sample J-1S (collected in December 1991 with samples J-2S through J-4S, which are included in Table 1) and soil samples OX-J-SS2, -SS3, and -SS5 (collected in September 1994 with samples OX-J-SS1, -SS4, and -SS6). These samples have been added to Table 1 and Figure 3 in this Addendum, with one exception. Sample J-1S in not located within the boundary of this RAA and would not have a Theissen polygon that extends into this RAA. Therefore, this sample has not been included.

7. Condition No. 7 of the EPA conditional approval letter notes that the locations shown on Figure 3 of the PDI Work Plan for certain existing samples near the northwestern boundary of the RAA (samples OX-J-SS1 through OX-J-SS6 and J-1S through J-4S) do not have the same relationship to the nearby footpath as is shown on Figure 4-6 of the February 1996 *MCP Phase I and Interim Phase II Report for Former Housatonic River Oxbows A, B ,C, J, and K*. That condition directs GE to correct the discrepancy. The locations of these samples on revised Figure 3 (attached) have been corrected to be consistent with Figure 4-6 of the February 1996 report (except sample J-1S which is located outside of this RAA, as explained above).

Schedule

GE proposes to complete the pre-design investigations for Former Oxbow Areas J and K and submit a Pre-Design Investigation Report within 6 months of receipt of EPA approval of this Addendum.

Please do not hesitate to contact Dick Gates or me with any questions.

Sincerely,

Andrew T. Silfer /DAT

Andrew T. Silfer, P.E.
GE Project Coordinator

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Attachments

cc: Tim Conway, EPA
Holly Inglis, EPA
Michael Nalipinski, EPA
Rose Howell, EPA
K.C. Mitkevicius, USACE
Dawn Jamros, Weston
Susan Steenstrup, MDEP
Alan Weinberg, MDEP*
Robert Bell, MDEP*
Thomas Angus, MDEP*
Susan Keydel, MDEP
Nancy E. Harper, MA AG*
Dale Young, MA EOEA
Mayor Sara Hathaway, City of Pittsfield
Richard Scapin, Chair, Pittsfield City Council
Pittsfield Department of Health
Michael Carroll, GE*
Dick Gates, GE
Rod McLaren, Esq., GE*
James Nuss, BBL
James Bieke, Esq., Shea & Gardner
Property Owner - Parcel K10-10-3
Property Owner - Parcel K10-10-4
Property Owner - Parcel K10-10-5/-6
Property Owner - Parcel K10-10-33
Property Owner - Parcel K10-11-1
Property Owner - Parcel K10-11-2
Property Owner - Parcel K10-11-3
Property Owner - Parcel K10-11-5
Property Owner - Parcel K10-12-1
Property Owner - Parcel K10-13-1
Public Information Repositories
GE Internal Repository

(* w/out attachments)

Tables

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

TABLE 1

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

EXISTING SOIL PCB DATA AND PROPOSED USAGE

Data Source	Sample Location	Sample ID	Depth Interval	Date Collected	Available Documentation (See Note 2)	Proposed Data Usage
OXBOW J						
A	FP-1	FP-1, 0-4'	0-4	10/05/89	Certificate of Analysis	Rejected
A	FP-1	FP-1, 4-8'	4-8	10/05/89	Certificate of Analysis	Supplemental (Note 3)
A	FP-1	FP-1, 8-12'	8-12	10/05/89	Certificate of Analysis	Supplemental (Note 3)
A	FP-1	FP-1, 12-16'	12-16	10/05/89	Certificate of Analysis	Supplemental (Note 3)
A	FP-1	FP-1, 16-20'	16-20	10/05/89	Certificate of Analysis	Rejected
A	FP-1	FP-1, 20-24'	20-24	10/05/89	Certificate of Analysis	Rejected
A	FP-1	FP-1, 24-28'	24-28	10/05/89	Certificate of Analysis	Rejected
A	FP-1	FP-1, 26-30'	28-30	10/05/89	Certificate of Analysis	Rejected
A	FP-2	FP-2, 0-4'	0-4	10/05/89	Certificate of Analysis	Rejected
A	FP-2	FP-2, 4-8'	4-8	10/05/89	Certificate of Analysis	Supplemental (Note 3)
A	FP-3	FP-3, 0-4'	0-4	10/05/89	Certificate of Analysis	Rejected
A	FP-3	FP-3, 4-8'	4-8	10/05/89	Certificate of Analysis	Supplemental (Note 3)
A	FP-4	FP-4, 0-4'	0-4	10/05/89	Certificate of Analysis	Rejected
A	FP-4	FP-4, 4-8'	4-8	10/05/89	Certificate of Analysis	Supplemental (Note 3)
A	SA-1	SA-1, 0-4'	0-4	10/05/89	Certificate of Analysis	Rejected
A	SA-1	SA-1, 4-8'	4-8	10/05/89	Certificate of Analysis	Supplemental (Note 3)
A	SA-1	SA-1, 8-12'	8-12	10/05/89	Certificate of Analysis	Supplemental (Note 3)
A	SA-2	SA-2, 0-4'	0-4	10/05/89	Certificate of Analysis	Rejected
A	SA-2	SA-2, 4-8'	4-8	10/05/89	Certificate of Analysis	Supplemental (Note 3)
A	SA-2	SA-2, 8-12'	8-12	10/05/89	Certificate of Analysis	Supplemental (Note 3)
A	YB-1	YB-1, 0-4'	0-4	10/06/89	Certificate of Analysis	Rejected
A	YB-1	YB-1, 4-8'	4-8	10/06/89	Certificate of Analysis	Supplemental (Note 3)
A	YB-2	YB-2, 0-4'	0-4	10/06/89	Certificate of Analysis	Rejected
A	YB-2	YB-2, 4-8'	4-8	10/06/89	Certificate of Analysis	Supplemental (Note 3)
A	YB-3	YB-3, 0-4'	0-4	10/06/89	Certificate of Analysis	Rejected
A	YB-3	YB-3, 4-8'	4-8	10/06/89	Certificate of Analysis	Supplemental (Note 3)
A	YB-4	YB-4, 0-4'	0-4	10/06/89	Certificate of Analysis	Rejected
A	YB-4	YB-4, 4-8'	4-8	10/06/89	Certificate of Analysis	Supplemental (Note 3)
A	YB-5	YB-5, 0-4'	0-4	10/06/89	Certificate of Analysis	Rejected
A	YB-5	YB-5, 4-8'	4-8	10/06/89	Certificate of Analysis	Supplemental (Note 3)
B	J-2S	ROJ2S	0-0.3	12/10/91	Certificate of Analysis	Rejected
B	J-3S	ROJ3S	0-0.3	12/10/91	Certificate of Analysis	Rejected
B	J-4S	ROJ4S	0-0.3	12/10/91	Certificate of Analysis	Rejected
B	OX-J-SS1	OX-J-SS1	0-0.3	9/16/94	Complete Laboratory Data Package	Rejected
B	OX-J-SS2	OX-J-SS2	0-0.3	9/16/94	Certificate of Analysis	Rejected
B	OX-J-SS3	OX-J-SS3	0-0.3	9/16/94	Certificate of Analysis	Rejected
B	OX-J-SS4	OX-J-SS4	0-0.3	9/16/94	Complete Laboratory Data Package	Rejected
B	OX-J-SS5	OX-J-SS5	0-0.3	9/16/94	Certificate of Analysis	Rejected
B	OX-J-SS6	OX-J-SS6	0-0.3	9/16/94	Complete Laboratory Data Package	Rejected
D	B-1	B-1 2-4	2-4	7/5/01	Certificate of Analysis	Supplemental (Note 4)
D	B-2	B-2 2-6	2-6	7/5/01	Certificate of Analysis	Grid Characterization
D	B-3	B-3 2-6	2-6	7/5/01	Certificate of Analysis	Supplemental (Note 4)
OXBOW K						
B	K-1	ROO1B0002	0-2	1/31/91	Certificate of Analysis	Grid Characterization
B	K-1	ROO1B0204	2-4	1/31/91	Certificate of Analysis	Grid Characterization
B	K-1	ROO1B0406	4-6	1/31/91	Certificate of Analysis	Grid Characterization
B	K-1	ROO1B0608	6-8	1/31/91	Certificate of Analysis	Grid Characterization
B	K-1	ROO1B0810	8-10	1/31/91	Certificate of Analysis	Grid Characterization
B	K-1	ROO1B1012	10-12	1/31/91	Certificate of Analysis	Grid Characterization
B	K-1	ROO1B1214	12-14	1/31/91	Certificate of Analysis	Grid Characterization
B	K-1	ROO1B1416	14-16	1/31/91	Certificate of Analysis	Grid Characterization
B	K-1	ROO1B1618	16-18	1/31/91	Certificate of Analysis	Rejected
B	K-1	ROO1B1820	18-20	1/31/91	Certificate of Analysis	Rejected
B	K-2	ROO2B0002	0-2	1/31/91	Certificate of Analysis	Grid Characterization
B	K-2	ROO2B0204	2-4	1/31/91	Certificate of Analysis	Grid Characterization
B	K-2	ROO2B0406	4-6	1/31/91	Certificate of Analysis	Grid Characterization
B	K-2	ROO2B0608	6-8	1/31/91	Certificate of Analysis	Grid Characterization
B	K-2	ROO2B0810	8-10	1/31/91	Certificate of Analysis	Grid Characterization
C	SBS-15	K10-10-33-SBS-15	0-0.5	4/28/98	Complete Laboratory Data Package	Grid Characterization
C	SBS-16	K10-10-33-SBS-16	0-0.5	4/28/98	Complete Laboratory Data Package	Grid Characterization
C	SBS-17	K10-10-33-SBS-17	0-0.5	4/28/98	Complete Laboratory Data Package	Grid Characterization
C	SBS-18	K10-10-33-SBS-18	0-0.5	4/28/98	Complete Laboratory Data Package	Grid Characterization

TABLE 1

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

EXISTING SOIL PCB DATA AND PROPOSED USAGE

NOTES:

1. This table lists all existing PCB soil samples that Blasland, Bouck & Lee (BBL) and General Electric (GE) have on record for the Former Oxbow J and K Areas. Included in this list are soil samples that are proposed to be used to satisfy grid-based and supplemental sampling.
2. Grid Characterization = Result will be used to satisfy grid-based pre-design soil investigation requirements and will be incorporated into future RD/RA activities.
3. Supplemental (Note 3) = Results will not be used to satisfy specific pre-design soil investigation requirements due to use of an analytical method somewhat different from the current method, but will be used as supplemental data in RD/RA evaluations (as discussed in the text).
4. Supplemental (Note 4) = Data will be used for supplemental purposes only, due to no grid nodes within the sample's vicinity (i.e., within 25 feet for 50-foot grid nodes, or within 50 feet for 100-foot grid nodes) that cannot be characterized by other (e.g., closer) data.
5. Rejected = Result was rejected because the depth of the sample collected does not correspond with or is outside the scope of this project.
6. Data Source Legend:
   A = Results of the Soil Boring Program Conducted in the Vicinity of the Proposed Altresco Gas Line (Project No. NY05506), Geraghty & Miller Environmental Services, November 1989.
   B = *MCP Phase I and Interim Phase II Report for Former Housatonic River Oxbow Areas A, B, C, J, and K*; BBL; February 1996.
   C = *Supplemental Investigation Summary Report for Goodrich Brook (Parcel K10-10-33)*; BBL; May 18, 1998.
   D = *Environmental Site Assessment, 1400 East Street*; Scalise Associates, Inc.; July 2001.

TABLE 2

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

EXISTING SOIL APPENDIX IX+3 DATA AND PROPOSED USAGE

Data Source	Sample Location	Sample ID	Depth Interval	Date Collected	Analyte Group				Available Documentation	Proposed Data Usage
					VOCs	SVOCs	PCDDs/ PCDFs	Inorganics		
OXBOW J										
A	FP-1	FP-1	8-12	10/05/89	X	X			Certificate of Ananlysis	Appendix IX Supplemental
A	FP-2	FP-2	4-8	10/05/89	X	X			Certificate of Ananlysis	Appendix IX Supplemental
A	FP-3	FP-3	4-8	10/05/89	X	X			Certificate of Ananlysis	Appendix IX Supplemental
A	YB-2	YB-2	4-8	10/06/89	X	X			Certificate of Ananlysis	Appendix IX Supplemental
A	YB-4	YB-4	0-4	10/06/89	X	X			Certificate of Ananlysis	Rejected (Depth)
A	J-2S	ROJ2S	0-0.3	12/10/91	X	X	X	X	Certificate of Ananlysis (except SVOCs for which no documentation was found)	PCDD/PCDF Data - Rejected (Method); Other Data - Appendix IX Supplemental
A	J-3S	ROJ3S	0-0.3	12/10/91	X	X	X	X	Certificate of Ananlysis	PCDD/PCDF Data - Rejected (Method); Other Data - Appendix IX Supplemental
A	J-4S	ROJ4S	0-0.3	12/10/91	X	X	X	X	Certificate of Ananlysis	PCDD/PCDF Data - Rejected (Method); Other Data - Appendix IX Supplemental
B	OX-J-SS1	OX-J-SS1	0-0.3	9/16/94			X	X	Certificate of Ananlysis	Appendix IX Supplemental
B	OX-J-SS2	OX-J-SS2	0-0.3	9/16/94			X	X	Certificate of Ananlysis	Appendix IX Supplemental
B	OX-J-SS3	OX-J-SS3	0-0.3	9/16/94			X	X	Certificate of Ananlysis	Appendix IX Supplemental
B	OX-J-SS4	OX-J-SS4	0-0.3	9/16/94			X	X	Certificate of Ananlysis	Appendix IX Supplemental
B	OX-J-SS5	OX-J-SS5	0-0.3	9/16/94			X	X	Certificate of Ananlysis	Appendix IX Supplemental
B	OX-J-SS6	OX-J-SS6	0-0.3	9/16/94			X	X	Certificate of Ananlysis	Appendix IX Supplemental
OXBOW K										
B	K-1	ROO1B1416	14-16	1/31/91	X	X	X	X	Certificate of Ananlysis	Appendix IX Supplemental
B	K-2	ROO2B0810	8-10	1/31/91	X	X	X	X	Certificate of Ananlysis	Appendix IX Supplemental

NOTES:

1. This table lists all existing soil samples analyzed for some or all Appendix IX+3 constituents and corresponding parameter groups that Blasland, Bouck & Lee (BBL) and General Electric (GE) have on record for Former Oxbow Areas J and K.
2. X = analyses were performed for that parameter group.
3. Appendix IX Supplemental = Because a full laboratory data package was not located, the result will not be used to satisfy pre-design investigation requirements, but will be considered further in the future as part of RD/RA evaluations.
4. Rejected (Depth) = Result was rejected because the increment from which the sample was collected is too large for RD/RA evaluations.
5. Rejected (Method) = Result was rejected because only total PCDDs and PCDFs were analyzed, resulting in the inability to calculate TEQs.
6. Data Source Legend:
   A = Results of the Soil Boring Program Conducted in the vicinity of the Proposed Altresco Gas Line (Project No. NY05506), Geraghty & Miller Environmental Services, November 1989.
   B = *MCP Phase I and Interim Phase II Report for Former Housatonic River Oxbow Areas A, B, C, J, and K*; BBL; February 1996.

TABLE 3A

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

COMMERCIAL/INDUSTRIAL AND RECREATIONAL PARCELS/AREAS

SUMMARY OF PROPOSED GRID CHARACTERIZATION OF PCBs

GRID COORDINATE	SAMPLE TYPE	DEPTH INCREMENT				
		0-1 FT.	1-3 FT.	3-6 FT.	6-10 FT.	10-15 FT.
GRID ROW: A						
A8	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-A8	RAA15-A8	RAA15-A8	RAA15-A8	RAA15-A8
A9	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-A9	---	---	---	---
A11	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-A11	RAA15-A11	RAA15-A11	RAA15-A11	RAA15-A11
A13	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-A13	---	---	---	---
A15	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-A15	RAA15-A15	RAA15-A15	RAA15-A15	RAA15-A15
A17	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-A17	---	---	---	---
A18	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-A18	RAA15-A18	RAA15-A18	RAA15-A18	RAA15-A18
A19	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-A19	---	---	---	---
A20	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-A20	RAA15-A20	RAA15-A20	RAA15-A20	RAA15-A20
A21	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-A21	---	---	---	---
A22	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-A22	RAA15-A22	RAA15-A22	RAA15-A22	RAA15-A22
A23	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-A23	---	---	---	---
A24	EXISTING:	---	---	B-2	---	---
	PROPOSED:	RAA15-A24	RAA15-A24	---	RAA15-A24	RAA15-A24
A25	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-A25	---	---	---	---
A26	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-A26	RAA15-A26	RAA15-A26	RAA15-A26	RAA15-A26
A27	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-A27	---	---	---	---
GRID ROW: B						
B6	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-B6	---	---	---	---
B7	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-B7	---	---	---	---
B8	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-B8	---	---	---	---
B9	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-B9	---	---	---	---
B11	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-B11	---	---	---	---
B13	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-B13	---	---	---	---
B15	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-B15	---	---	---	---
B17	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-B17	---	---	---	---
B18	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-B18	---	---	---	---
B19	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-B19	---	---	---	---
B20	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-B20	---	---	---	---
B21	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-B21	---	---	---	---
B22	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-B22	---	---	---	---
B23	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-B23	---	---	---	---
B24	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-B24	---	---	---	---
GRID ROW: C						
C4	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C4	RAA15-C4	RAA15-C4	RAA15-C4	RAA15-C4
C5	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C5	---	---	---	---

TABLE 3A

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

COMMERCIAL/INDUSTRIAL AND RECREATIONAL PARCELS/AREAS

SUMMARY OF PROPOSED GRID CHARACTERIZATION OF PCBs

GRID COORDINATE	SAMPLE TYPE	DEPTH INCREMENT				
		0-1 FT.	1-3 FT.	3-6 FT.	6-10 FT.	10-15 FT.
C6	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C6	RAA15-C6	RAA15-C6	RAA15-C6	RAA15-C6
C7	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C7	---	---	---	---
C8	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C8	RAA15-C8	RAA15-C8	RAA15-C8	RAA15-C8
C9	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C9	---	---	---	---
C11	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C11	RAA15-C11	RAA15-C11	RAA15-C11	RAA15-C11
C13	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C13	---	---	---	---
C15	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C15	RAA15-C15	RAA15-C15	RAA15-C15	RAA15-C15
C17	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C17	---	---	---	---
C18	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C18	RAA15-C18	RAA15-C18	RAA15-C18	RAA15-C18
C19	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C19	---	---	---	---
C20	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C20	RAA15-C20	RAA15-C20	RAA15-C20	RAA15-C20
C21	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C21	---	---	---	---
C22	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C22	RAA15-C22	RAA15-C22	RAA15-C22	RAA15-C22
C23	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C23	---	---	---	---
C24	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C24	RAA15-C24	RAA15-C24	RAA15-C24	RAA15-C24
C25	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-C25	---	---	---	---
GRID ROW: D						
D2	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D2	RAA15-D2	RAA15-D2	RAA15-D2	RAA15-D2
D3	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D3	---	---	---	---
D4	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D4	---	---	---	---
D5	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D5	---	---	---	---
D6	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D6	---	---	---	---
D7	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D7	---	---	---	---
D8	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D8	---	---	---	---
D9	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D9	---	---	---	---
D11	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D11	---	---	---	---
D13	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D13	---	---	---	---
D15	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D15	---	---	---	---
D17	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D17	---	---	---	---
D20	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D20	---	---	---	---
D21	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D21	---	---	---	---
D22	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D22	---	---	---	---
D23	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D23	---	---	---	---
D24	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D24	---	---	---	---
D25	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D25	---	---	---	---

TABLE 3A

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

COMMERCIAL/INDUSTRIAL AND RECREATIONAL PARCELS/AREAS

SUMMARY OF PROPOSED GRID CHARACTERIZATION OF PCBs

GRID COORDINATE	SAMPLE TYPE	DEPTH INCREMENT				
		0-1 FT.	1-3 FT.	3-6 FT.	6-10 FT.	10-15 FT.
D26	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D26	---	---	---	---
D27	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-D27	---	---	---	---
GRID ROW: E						
E1	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E1	RAA15-E1	RAA15-E1	RAA15-E1	RAA15-E1
E2	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E2	RAA15-E2	RAA15-E2	RAA15-E2	RAA15-E2
E3	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E3	---	---	---	---
E4	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E4	RAA15-E4	RAA15-E4	RAA15-E4	RAA15-E4
E5	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E5	---	---	---	---
E6	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E6	RAA15-E6	RAA15-E6	RAA15-E6	RAA15-E6
E7	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E7	---	---	---	---
E8	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E8	RAA15-E8	RAA15-E8	RAA15-E8	RAA15-E8
E9	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E9	---	---	---	---
E11	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E11	RAA15-E11	RAA15-E11	RAA15-E11	RAA15-E11
E13	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E13	---	---	---	---
E15	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E15	RAA15-E15	RAA15-E15	RAA15-E15	RAA15-E15
E18	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E18	RAA15-E18	RAA15-E18	RAA15-E18	RAA15-E18
E19	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E19	---	---	---	---
E20	EXISTING:	SBS-18	---	---	---	---
	PROPOSED:	---	RAA15-E20	RAA15-E20	RAA15-E20	RAA15-E20
E21	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E21	---	---	---	---
E22	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E22	RAA15-E22	RAA15-E22	RAA15-E22	RAA15-E22
E23	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-E23	---	---	---	---
GRID ROW: F						
F1	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F1	---	---	---	---
F2	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F2	---	---	---	---
F3	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F3	---	---	---	---
F4	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F4	---	---	---	---
F5	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F5	---	---	---	---
F6	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F6	---	---	---	---
F7	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F7	---	---	---	---
F8	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F8	---	---	---	---
F9	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F9	---	---	---	---
F11	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F11	---	---	---	---
F13	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F13	---	---	---	---
F17	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F17	---	---	---	---
F18	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F18	---	---	---	---

TABLE 3A

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

COMMERCIAL/INDUSTRIAL AND RECREATIONAL PARCELS/AREAS

SUMMARY OF PROPOSED GRID CHARACTERIZATION OF PCBs

GRID COORDINATE	SAMPLE TYPE	DEPTH INCREMENT				
		0-1 FT.	1-3 FT.	3-6 FT.	6-10 FT.	10-15 FT.
F19	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F19	---	---	---	---
F20	EXISTING:	SBS-17	---	---	---	---
	PROPOSED:	---	---	---	---	---
F21	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F21	---	---	---	---
F22	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F22	---	---	---	---
F23	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F23	---	---	---	---
F24	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-F24	---	---	---	---
GRID ROW: G						
G1	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-G1	---	---	---	---
G2	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-G2	RAA15-G2	RAA15-G2	RAA15-G2	RAA15-G2
G3	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-G3	---	---	---	---
G4	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-G4	RAA15-G4	RAA15-G4	RAA15-G4	RAA15-G4
G5	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-G5	---	---	---	---
G6	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-G6	RAA15-G6	RAA15-G6	RAA15-G6	RAA15-G6
G7	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-G7	---	---	---	---
G9	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-G9	---	---	---	---
G11	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-G11	RAA15-G11	RAA15-G11	RAA15-G11	RAA15-G11
G13	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-G13	---	---	---	---
G15	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-G15	RAA15-G15	RAA15-G15	RAA15-G15	RAA15-G15
G17	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-G17	---	---	---	---
G18	EXISTING:	K-2	K-2	K-2	K-2	---
	PROPOSED:	---	---	---	---	RAA15-G18
G19	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-G19	---	---	---	---
G20	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-G20	RAA15-G20	RAA15-G20	RAA15-G20	RAA15-G20
G21	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-G21	---	---	---	---
G22	EXISTING:	SBS-16	---	---	---	---
	PROPOSED:	---	RAA15-G22	RAA15-G22	RAA15-G22	RAA15-G22
G23	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-G23	---	---	---	---
GRID ROW: H						
H2	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-H2	---	---	---	---
H3	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-H3	---	---	---	---
H4	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-H4	---	---	---	---
H5	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-H5	---	---	---	---
H7	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-H7	---	---	---	---
H8	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-H8	---	---	---	---
H9	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-H9	---	---	---	---
H15	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-H15	---	---	---	---

TABLE 3A

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

COMMERCIAL/INDUSTRIAL AND RECREATIONAL PARCELS/AREAS

SUMMARY OF PROPOSED GRID CHARACTERIZATION OF PCBs

GRID COORDINATE	SAMPLE TYPE	DEPTH INCREMENT				
		0-1 FT.	1-3 FT.	3-6 FT.	6-10 FT.	10-15 FT.
H17	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-H17	---	---	---	---
H18	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-H18	---	---	---	---
H19	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-H19	---	---	---	---
H20	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-H20	---	---	---	---
H21	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-H21	---	---	---	---
H22	EXISTING:	SBS-15	---	---	---	---
	PROPOSED:	---	---	---	---	---
GRID ROW: J						
J2	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-J2	RAA15-J2	RAA15-J2	RAA15-J2	RAA15-J2
J3	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-J3	---	---	---	---
J4	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-J4	RAA15-J4	RAA15-J4	RAA15-J4	RAA15-J4
J6	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-J6	RAA15-J6	RAA15-J6	RAA15-J6	RAA15-J6
J7	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-J7	---	---	---	---
J8	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-J8	RAA15-J8	RAA15-J8	RAA15-J8	RAA15-J8
J17	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-J17	---	---	---	---
J18	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-J18	RAA15-J18	RAA15-J18	RAA15-J18	RAA15-J18
J19	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-J19	---	---	---	---
J20	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-J20	RAA15-J20	RAA15-J20	RAA15-J20	RAA15-J20
GRID ROW: L						
L2	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-L2	---	---	---	---
L3	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-L3	---	---	---	---
L5	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-L5	---	---	---	---
L6	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-L6	---	---	---	---
L7	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-L7	---	---	---	---
L8	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-L8	---	---	---	---
L17	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-L17	---	---	---	---
L18	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-L18	---	---	---	---
L19	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-L19	---	---	---	---
GRID ROW: N						
N6	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-N6	RAA15-N6	RAA15-N6	RAA15-N6	RAA15-N6
N7	EXISTING:	---	---	---	---	---
	PROPOSED:	RAA15-N7	---	---	---	---

NOTES:

1. This table defines the soil sampling locations which will be utilized to satisfy grid-based sampling requirements for PCBs for the Oxbow J and K Areas pre-design investigation.
2. Other existing soil data will not be utilized in support of the pre-design sampling requirements, but may be used in the design of the Removal Action (as discussed in the text).
3. Shaded depth increments indicate that soil sampling is not required.
4. Existing samples are assumed to represent a grid node if they are located less than 50 feet from 100-foot grid nodes or less than 25 feet from 50-foot grid nodes.
5. Existing sample depths are assumed to satisfy the depth interval requirements (i.e., either 0-1, 1-3, 3-6, 6-10, or 10-15 feet) if the existing depths) constitute at least 50% of the depth requirement. For example, existing data for 10-12 foot and 12-14 foot depths will satisfy the 10-15 foot requirement at a node, but existing data for the 10-12 foot depth alone will not.
6. This table does not include all existing soil PCB samples collected at Oxbow Areas J and K. Refer to Table 1 for a complete list of all existing soil PCB samples.

TABLE 3B

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

RESIDENTIAL PARCELS

SUMMARY OF PROPOSED GRID CHARACTERIZATION OF PCBs

GRID COORDINATE	SAMPLE TYPE	DEPTH INCREMENT (See Note 3)							
		0-1 FT.	1-3 FT.	3 - 5 FT.	5 - 7 FT.	7 - 9 FT.	9 - 11 FT	11 - 13 FT.	13 - 15 FT.
L10	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-L10	---	---	---	---	---	---	---
L11	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-L11	RAA15-L11	RAA15-L11	RAA15-L11	RAA15-L11	RAA15-L11	RAA15-L11	RAA15-L11
L12	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-L12	---	---	---	---	---	---	---
L13	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-L13	RAA15-L13	RAA15-L13	RAA15-L13	RAA15-L13	RAA15-L13	RAA15-L13	RAA15-L13
L14	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-L14	---	---	---	---	---	---	---
L15	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-L15	RAA15-L15	RAA15-L15	RAA15-L15	RAA15-L15	RAA15-L15	RAA15-L15	RAA15-L15
L16	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-L16	---	---	---	---	---	---	---
GRID ROW: M									
M10	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-M10	---	---	---	---	---	---	---
M11	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-M11	---	---	---	---	---	---	---
M12	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-M12	---	---	---	---	---	---	---
M13	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-M13	---	---	---	---	---	---	---
M14	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-M14	---	---	---	---	---	---	---
M15	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-M15	---	---	---	---	---	---	---
M16	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-M16	---	---	---	---	---	---	---
M17	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-M17	---	---	---	---	---	---	---
GRID ROW: N									
N11	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-N11	RAA15-N11	RAA15-N11	RAA15-N11	RAA15-N11	RAA15-N11	RAA15-N11	RAA15-N11
N12	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-N12	---	---	---	---	---	---	---
N13	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-N13	RAA15-N13	RAA15-N13	RAA15-N13	RAA15-N13	RAA15-N13	RAA15-N13	RAA15-N13
N14	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-N14	---	---	---	---	---	---	---
N15	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-N15	RAA15-N15	RAA15-N15	RAA15-N15	RAA15-N15	RAA15-N15	RAA15-N15	RAA15-N15
N16	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-N16	---	---	---	---	---	---	---
N17	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-N17	RAA15-N17	RAA15-N17	RAA15-N17	RAA15-N17	RAA15-N17	RAA15-N17	RAA15-N17
GRID ROW: O									
O11	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-O11	---	---	---	---	---	---	---
O13	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-O13	---	---	---	---	---	---	---
O14	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-O14	---	---	---	---	---	---	---
O15	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-O15	---	---	---	---	---	---	---
O16	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-O16	---	---	---	---	---	---	---
GRID ROW: P									
P12	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-P12	---	---	---	---	---	---	---
P13	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-P13	RAA15-P13	RAA15-P13	RAA15-P13	RAA15-P13	RAA15-P13	RAA15-P13	RAA15-P13
P14	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-P14	---	---	---	---	---	---	---
P15	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-P15	RAA15-P15	RAA15-P15	RAA15-P15	RAA15-P15	RAA15-P15	RAA15-P15	RAA15-P15
GRID ROW: Q									
Q13	EXISTING:	---	---	---	---	---	---	---	---
	PROPOSED:	RAA15-Q13	---	---	---	---	---	---	---

TABLE 4A

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

COMMERCIAL/INDUSTRIAL AND RECREATIONAL PARCELS/AREAS

PROPOSED SOIL SAMPLING LOCATIONS, DEPTHS, AND PARAMETERS

SAMPLE ID	GRID COORDINATE	SAMPLE DEPTH	ANALYSES				
			PCBs	VOCs	SVOCs	INORGANICS	PCDDs/PCDFs
RAA15-A8	A8	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-A9	A9	0-1 ft	X	X	X	X	X
RAA15-A11	A11	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-A13	A13	0-1 ft	X	--	--	--	--
RAA15-A15	A15	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	X	X	X	X
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-A17	A17	0-1 ft	X	--	--	--	--
RAA15-A18	A18	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-A19	A19	0-1 ft	X	X	X	X	X
		1-3 ft	--	X	X	X	X
		3-6 ft	--	X	X	X	X
		10-15 ft	--	X	X	X	X
RAA15-A20	A20	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-A21	A21	0-1 ft	X	--	--	--	--
RAA15-A22	A22	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-A23	A23	0-1 ft	X	--	--	--	--
RAA15-A24	A24	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-A25	A25	0-1 ft	X	--	--	--	--
RAA15-A26	A26	0-1 ft	X	X	X	X	X
		1-3 ft	X	--	--	--	--
		3-6 ft	X	X	X	X	X
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-A27	A27	0-1 ft	X	--	--	--	--
RAA15-B6	B6	0-1 ft	X	--	--	--	--
RAA15-B7	B7	0-1 ft	X	X	X	X	X
RAA15-B8	B8	0-1 ft	X	--	--	--	--
RAA15-B9	B9	0-1 ft	X	--	--	--	--
RAA15-B11	B11	0-1 ft	X	X	X	X	X
RAA15-B13	B13	0-1 ft	X	--	--	--	--
RAA15-B15	B15	0-1 ft	X	X	X	X	X
RAA15-B17	B17	0-1 ft	X	--	--	--	--
RAA15-B18	B18	0-1 ft	X	X	X	X	X
RAA15-B19	B19	0-1 ft	X	--	--	--	--
RAA15-B20	B20	0-1 ft	X	--	--	--	--
RAA15-B21	B21	0-1 ft	X	X	X	X	X
RAA15-B22	B22	0-1 ft	X	--	--	--	--
		1-3 ft	--	X	X	X	X
RAA15-B23	B23	0-1 ft	X	--	--	--	--
RAA15-B24	B24	0-1 ft	X	X	X	X	X

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SAMPLE ID	GRID COORDINATE	SAMPLE DEPTH	ANALYSES				
			PCBs	VOCs	SVOCs	INORGANICS	PCDDs/PCDFs
RAA15-C4	C4	0-1 ft	X	X	X	X	X
		1-3 ft	X	--	--	--	--
		3-6 ft	X	X	X	X	X
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-C5	C5	0-1 ft	X	--	--	--	--
RAA15-C6	C6	0-1 ft	X	X	X	X	X
		1-3 ft	X	X	X	X	X
		3-6 ft	X	X	X	X	X
		6-10 ft	X	--	--	--	--
		10-15 ft	X	X	X	X	X
RAA15-C7	C7	0-1 ft	X	--	--	--	--
RAA15-C8	C8	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-10 ft	X	X	X	X	X
		10-15 ft	X	--	--	--	--
RAA15-C9	C9	0-1 ft	X	--	--	--	--
RAA15-C11	C11	0-1 ft	X	--	--	--	--
		1-3 ft	X	X	X	X	X
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	X	X	X	X
RAA15-C13	C13	0-1 ft	X	--	--	--	--
RAA15-C15	C15	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-C17	C17	0-1 ft	X	X	X	X	X
RAA15-C18	C18	0-1 ft	X	--	--	--	--
		1-3 ft	X	X	X	X	X
		3-6 ft	X	X	X	X	X
		6-10 ft	X	X	X	X	X
		10-15 ft	X	--	--	--	--
RAA15-C19	C19	0-1 ft	X	X	X	X	X
RAA15-C20	C20	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-10 ft	X	X	X	X	X
		10-15 ft	X	--	--	--	--
RAA15-C21	C21	0-1 ft	X	--	--	--	--
RAA15-C22	C22	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-C23	C23	0-1 ft	X	X	X	X	X
RAA15-C24	C24	0-1 ft	X	--	--	--	--
		1-3 ft	X	X	X	X	X
		3-6 ft	X	X	X	X	X
		6-10 ft	X	--	--	--	--
		10-15 ft	X	X	X	X	X
RAA15-C25	C25	0-1 ft	X	--	--	--	--
RAA15-D2	D2	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-D3	D3	0-1 ft	X	X	X	X	X
RAA15-D4	D4	0-1 ft	X	--	--	--	--
RAA15-D5	D5	0-1 ft	X	--	--	--	--
RAA15-D6	D6	0-1 ft	X	--	--	--	--
RAA15-D7	D7	0-1 ft	X	--	--	--	--
RAA15-D8	D8	0-1 ft	X	X	X	X	X
RAA15-D9	D9	0-1 ft	X	--	--	--	--
RAA15-D11	D11	0-1 ft	X	--	--	--	--

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SAMPLE ID	GRID COORDINATE	SAMPLE DEPTH	ANALYSES				
			PCBs	VOCs	SVOCs	INORGANICS	PCDDs/PCDFs
RAA15-D13	D13	0-1 ft	X	X	X	X	X
RAA15-D15	D15	0-1 ft	X	--	--	--	--
RAA15-D17	D17	0-1 ft	X	--	--	--	--
RAA15-D20	D20	0-1 ft	X	--	--	--	--
RAA15-D21	D21	0-1 ft	X	X	X	X	X
RAA15-D22	D22	0-1 ft	X	--	--	--	--
RAA15-D23	D23	0-1 ft	X	--	--	--	--
RAA15-D24	D24	0-1 ft	X	--	--	--	--
RAA15-D25	D25	0-1 ft	X	X	X	X	X
RAA15-D26	D26	0-1 ft	X	--	--	--	--
RAA15-D27	D27	0-1 ft	X	X	X	X	X
RAA15-E1	E1	0-1 ft	X	X	X	X	X
		1-3 ft	X	--	--	--	--
		3-6 ft	X	X	X	X	X
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-E2	E2	0-1 ft	X	X	X	X	X
		1-3 ft	X	X	X	X	X
		3-6 ft	X	X	X	X	X
		6-10 ft	X	--	--	--	--
		10-15 ft	X	X	X	X	X
RAA15-E3	E3	0-1 ft	X	--	--	--	--
RAA15-E4	E4	0-1 ft	X	--	--	--	--
		1-3 ft	X	X	X	X	X
		3-6 ft	X	X	X	X	X
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-E5	E5	0-1 ft	X	X	X	X	X
RAA15-E6	E6	0-1 ft	X	--	--	--	--
		1-3 ft	X	X	X	X	X
		3-6 ft	X	--	--	--	--
		6-10 ft	X	X	X	X	X
		10-15 ft	X	--	--	--	--
RAA15-E7	E7	0-1 ft	X	X	X	X	X
RAA15-E8	E8	0-1 ft	X	--	--	--	--
		1-3 ft	X	X	X	X	X
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-E9	E9	0-1 ft	X	--	--	--	--
RAA15-E11	E11	0-1 ft	X	X	X	X	X
		1-3 ft	X	--	--	--	--
		3-6 ft	X	X	X	X	X
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-E13	E13	0-1 ft	X	--	--	--	--
RAA15-E15	E15	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-E18	E18	0-1 ft	X	X	X	X	X
		1-3 ft	X	X	X	X	X
		3-6 ft	X	X	X	X	X
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-E19	E19	0-1 ft	X	--	--	--	--
RAA15-E20	E20	1-3 ft	X	--	--	--	--
		3-6 ft	X	X	X	X	X
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-E21	E21	0-1 ft	X	X	X	X	X
RAA15-E22	E22	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-E23	E23	0-1 ft	X	--	--	--	--

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SAMPLE ID	GRID COORDINATE	SAMPLE DEPTH	ANALYSES				
			PCBs	VOCs	SVOCs	INORGANICS	PCDDs/PCDFs
RAA15-F1	F1	0-1 ft	X	--	--	--	--
RAA15-F2	F2	0-1 ft	X	X	X	X	X
		1-3 ft	--	X	X	X	X
		6-10 ft	--	X	X	X	X
RAA15-F3	F3	0-1 ft	X	--	--	--	--
RAA15-F4	F4	0-1 ft	X	--	--	--	--
RAA15-F5	F5	0-1 ft	X	--	--	--	--
RAA15-F6	F6	0-1 ft	X	--	--	--	--
RAA15-F7	F7	0-1 ft	X	--	--	--	--
		6-10 ft	--	X	X	X	X
RAA15-F8	F8	0-1 ft	X	--	--	--	--
RAA15-F9	F9	0-1 ft	X	--	--	--	--
RAA15-F11	F11	0-1 ft	X	--	--	--	--
RAA15-F13	F13	0-1 ft	X	--	--	--	--
RAA15-F17	F17	0-1 ft	X	--	--	--	--
RAA15-F18	F18	0-1 ft	X	--	--	--	--
RAA15-F19	F19	0-1 ft	X	X	X	X	X
RAA15-F21	F21	0-1 ft	X	--	--	--	--
RAA15-F22	F22	0-1 ft	X	X	X	X	X
RAA15-F23	F23	0-1 ft	X	--	--	--	--
RAA15-F24	F24	0-1 ft	X	X	X	X	X
		1-3 ft	--	X	X	X	X
RAA15-G1	G1	0-1 ft	X	--	--	--	--
RAA15-G2	G2	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	X	X	X	X
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-G3	G3	0-1 ft	X	--	--	--	--
RAA15-G4	G4	0-1 ft	X	X	X	X	X
		1-3 ft	X	X	X	X	X
		3-6 ft	X	X	X	X	X
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-G5	G5	0-1 ft	X	--	--	--	--
RAA15-G6	G6	0-1 ft	X	X	X	X	X
		1-3 ft	X	X	X	X	X
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	X	X	X	X
RAA15-G7	G7	0-1 ft	X	--	--	--	--
RAA15-G9	G9	0-1 ft	X	--	--	--	--
RAA15-G11	G11	0-1 ft	X	X	X	X	X
		1-3 ft	X	X	X	X	X
		3-6 ft	X	X	X	X	X
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-G13	G13	0-1 ft	X	X	X	X	X
RAA15-G15	G15	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-10 ft	X	X	X	X	X
		10-15 ft	X	--	--	--	--
RAA15-G17	G17	0-1 ft	X	X	X	X	X
RAA15-G18	G18	10-15 ft	X	--	--	--	--
RAA15-G19	G19	0-1 ft	X	--	--	--	--
RAA15-G20	G20	0-1 ft	X	X	X	X	X
		1-3 ft	X	X	X	X	X
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	X	X	X	X
RAA15-G21	G21	0-1 ft	X	--	--	--	--
RAA15-G22	G22	1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-10 ft	X	X	X	X	X
		10-15 ft	X	--	--	--	--
RAA15-G23	G23	0-1 ft	X	--	--	--	--
RAA15-H2	H2	0-1 ft	X	X	X	X	X

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SAMPLE ID	GRID COORDINATE	SAMPLE DEPTH	ANALYSES				
			PCBs	VOCs	SVOCs	INORGANICS	PCDDs/PCDFs
RAA15-H3	H3	0-1 ft	X	--	--	--	--
RAA15-H4	H4	0-1 ft	X	--	--	--	--
RAA15-H5	H5	0-1 ft	X	--	--	--	--
RAA15-H7	H7	0-1 ft	X	--	--	--	--
RAA15-H8	H8	0-1 ft	X	X	X	X	X
		1-3 ft	--	X	X	X	X
		10-15 ft	--	X	X	X	X
RAA15-H9	H9	0-1 ft	X	--	--	--	--
RAA15-H15	H15	0-1 ft	X	X	X	X	X
RAA15-H17	H17	0-1 ft	X	--	--	--	--
RAA15-H18	H18	0-1 ft	X	X	X	X	X
RAA15-H19	H19	0-1 ft	X	--	--	--	--
RAA15-H20	H20	0-1 ft	X	--	--	--	--
RAA15-H21	H21	0-1 ft	X	--	--	--	--
RAA15-J2	J2	0-1 ft	X	X	X	X	X
		1-3 ft	X	X	X	X	X
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	X	X	X	X
RAA15-J3	J3	0-1 ft	X	--	--	--	--
RAA15-J4	J4	0-1 ft	X	X	X	X	X
		1-3 ft	X	--	--	--	--
		3-6 ft	X	X	X	X	X
		6-10 ft	X	X	X	X	X
		10-15 ft	X	--	--	--	--
RAA15-J6	J6	0-1 ft	X	--	--	--	--
		1-3 ft	X	X	X	X	X
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	X	X	X	X
RAA15-J7	J7	0-1 ft	X	X	X	X	X
RAA15-J8	J8	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-J17	J17	0-1 ft	X	--	--	--	--
RAA15-J18	J18	0-1 ft	X	--	--	--	--
		1-3 ft	X	X	X	X	X
		3-6 ft	X	--	--	--	--
		6-10 ft	X	X	X	X	X
		10-15 ft	X	--	--	--	--
RAA15-J19	J19	0-1 ft	X	X	X	X	X
RAA15-J20	J20	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-6 ft	X	--	--	--	--
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-L2	L2	0-1 ft	X	--	--	--	--
RAA15-L3	L3	0-1 ft	X	X	X	X	X
RAA15-L5	L5	0-1 ft	X	--	--	--	--
RAA15-L6	L6	0-1 ft	X	X	X	X	X
RAA15-L7	L7	0-1 ft	X	--	--	--	--
RAA15-L8	L8	0-1 ft	X	--	--	--	--
RAA15-L17	L17	0-1 ft	X	X	X	X	X
RAA15-L18	L18	0-1 ft	X	--	--	--	--
RAA15-L19	L19	0-1 ft	X	--	--	--	--
RAA15-N6	N6	0-1 ft	X	--	--	--	--
		1-3 ft	X	X	X	X	X
		3-6 ft	X	X	X	X	X
		6-10 ft	X	--	--	--	--
		10-15 ft	X	--	--	--	--
RAA15-N7	N7	0-1 ft	X	--	--	--	--
J-4S*	Not Applicable	0-1 ft	--	--	--	--	X

TABLE 4A

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

COMMERCIAL/INDUSTRIAL AND RECREATIONAL PARCELS/AREAS

PROPOSED SOIL SAMPLING LOCATIONS, DEPTHS, AND PARAMETERS

NOTES:

1. This table identifies soil samples to be collected and the analyses to be performed as part of the pre-design investigation at Oxbow Areas J and K.
2. The Appendix IX+3 sample depth intervals shown above may be modified in the field based on the results of photoionization detector (PID) readings and visual observations at the time of sample collection.

* = Existing sample location with additional Appendix IX+3 sampling proposed.

TABLE 4B

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

RESIDENTIAL PARCELS/AREAS

PROPOSED SOIL SAMPLING LOCATIONS, DEPTHS, AND PARAMETERS

SAMPLE ID	GRID COORDINATE	SAMPLE DEPTH	ANALYSES				
			PCBs	VOCs	SVOCs	INORGANICS	PCDDs/PCDFs
RAA15-GH12	GH12	0-1 ft	X	--	--	--	--
RAA15-GH13	GH13	0-1 ft	X	--	--	--	--
RAA15-H11	H11	0-1 ft	X	X	X	X	X
		1-3 ft	X	--	--	--	--
		3-5 ft	X	--	--	--	--
		5-7 ft	X	--	--	--	--
		7-9 ft	X	--	--	--	--
		9-11 ft	X	--	--	--	--
		11-13 ft	X	--	--	--	--
		13-15 ft	X	--	--	--	--
RAA15-H12	H12	0-1 ft	X	--	--	--	--
RAA15-H13	H13	0-1 ft	X	--	--	--	--
		1-3 ft	X	X	X	X	X
		3-5 ft	X	--	--	--	--
		5-7 ft	X	--	--	--	--
		7-9 ft	X	--	--	--	--
		9-11 ft	X	--	--	--	--
		11-13 ft	X	--	--	--	--
		13-15 ft	X	--	--	--	--
RAA15-H14	H14	0-1 ft	X	--	--	--	--
RAA15-I10	I10	0-1 ft	X	--	--	--	--
RAA15-I11	I11	0-1 ft	X	--	--	--	--
RAA15-I12	I12	0-1 ft	X	--	--	--	--
RAA15-I13	I13	0-1 ft	X	--	--	--	--
RAA15-I14	I14	0-1 ft	X	--	--	--	--
RAA15-I15	I15	0-1 ft	X	--	--	--	--
RAA15-J8.5	J8.5	0-1 ft	X	--	--	--	--
RAA15-J9	J9	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-5 ft	X	--	--	--	--
		5-7 ft	X	--	--	--	--
		7-9 ft	X	--	--	--	--
		9-11 ft	X	--	--	--	--
		11-13 ft	X	--	--	--	--
		13-15 ft	X	--	--	--	--
RAA15-J10	J10	0-1 ft	X	--	--	--	--
RAA15-J11	J11	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-5 ft	X	--	--	--	--
		5-7 ft	X	--	--	--	--
		7-9 ft	X	--	--	--	--
		9-11 ft	X	--	--	--	--
		11-13 ft	X	--	--	--	--
		13-15 ft	X	--	--	--	--
RAA15-J12	J12	0-1 ft	X	--	--	--	--
RAA15-J13	J13	0-1 ft	X	--	--	--	--
RAA15-J14	J14	0-1 ft	X	--	--	--	--
RAA15-J15	J15	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-5 ft	X	--	--	--	--
		5-7 ft	X	--	--	--	--
		7-9 ft	X	--	--	--	--
		9-11 ft	X	--	--	--	--
		11-13 ft	X	--	--	--	--
		13-15 ft	X	--	--	--	--
RAA15-K8.5	K8.5	0-1 ft	X	--	--	--	--
RAA15-K9	K9	0-1 ft	X	--	--	--	--
RAA15-K10	K10	0-1 ft	X	--	--	--	--
RAA15-K11	K11	0-1 ft	X	--	--	--	--
RAA15-K12	K12	0-1 ft	X	--	--	--	--
RAA15-K13	K13	0-1 ft	X	--	--	--	--
RAA15-K14	K14	0-1 ft	X	--	--	--	--
RAA15-K15	K15	0-1 ft	X	--	--	--	--
RAA15-K16	K16	0-1 ft	X	--	--	--	--
RAA15-L8.5	L8.5	0-1 ft	X	--	--	--	--

TABLE 4B

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

RESIDENTIAL PARCELS/AREAS

PROPOSED SOIL SAMPLING LOCATIONS, DEPTHS, AND PARAMETERS

SAMPLE ID	GRID COORDINATE	SAMPLE DEPTH	ANALYSES				
			PCBs	VOCs	SVOCs	INORGANICS	PCDDs/PCDFs
RAA15-L9	L9	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-5 ft	X	--	--	--	--
		5-7 ft	X	--	--	--	--
		7-9 ft	X	--	--	--	--
		9-11 ft	X	--	--	--	--
		11-13 ft	X	--	--	--	--
		13-15 ft	X	--	--	--	--
RAA15-L10	L10	0-1 ft	X	--	--	--	--
RAA15-L11	L11	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-5 ft	X	--	--	--	--
		5-7 ft	X	--	--	--	--
		7-9 ft	X	--	--	--	--
		9-11 ft	X	--	--	--	--
		11-13 ft	X	--	--	--	--
		13-15 ft	X	--	--	--	--
RAA15-L12	L12	0-1 ft	X	--	--	--	--
RAA15-L13	L13	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-5 ft	X	X	X	X	X
		5-7 ft	X	--	--	--	--
		7-9 ft	X	--	--	--	--
		9-11 ft	X	--	--	--	--
		11-13 ft	X	--	--	--	--
		13-15 ft	X	--	--	--	--
RAA15-L14	L14	0-1 ft	X	--	--	--	--
RAA15-L15	L15	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-5 ft	X	--	--	--	--
		5-7 ft	X	--	--	--	--
		7-9 ft	X	--	--	--	--
		9-11 ft	X	--	--	--	--
		11-13 ft	X	--	--	--	--
		13-15 ft	X	--	--	--	--
RAA15-L16	L16	0-1 ft	X	X	X	X	X
RAA15-M10	M10	0-1 ft	X	--	--	--	--
RAA15-M11	M11	0-1 ft	X	X	X	X	X
RAA15-M12	M12	0-1 ft	X	--	--	--	--
RAA15-M13	M13	0-1 ft	X	--	--	--	--
RAA15-M14	M14	0-1 ft	X	--	--	--	--
RAA15-M15	M15	0-1 ft	X	--	--	--	--
RAA15-M16	M16	0-1 ft	X	--	--	--	--
RAA15-M17	M17	0-1 ft	X	--	--	--	--
RAA15-N11	N11	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-5 ft	X	--	--	--	--
		5-7 ft	X	--	--	--	--
		7-9 ft	X	--	--	--	--
		9-11 ft	X	--	--	--	--
		11-13 ft	X	--	--	--	--
		13-15 ft	X	--	--	--	--
RAA15-N12	N12	0-1 ft	X	--	--	--	--
RAA15-N13	N13	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-5 ft	X	--	--	--	--
		5-7 ft	X	--	--	--	--
		7-9 ft	X	--	--	--	--
		9-11 ft	X	--	--	--	--
		11-13 ft	X	--	--	--	--
		13-15 ft	X	--	--	--	--
RAA15-N14	N14	0-1 ft	X	--	--	--	--

TABLE 4B

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

RESIDENTIAL PARCELS/AREAS

PROPOSED SOIL SAMPLING LOCATIONS, DEPTHS, AND PARAMETERS

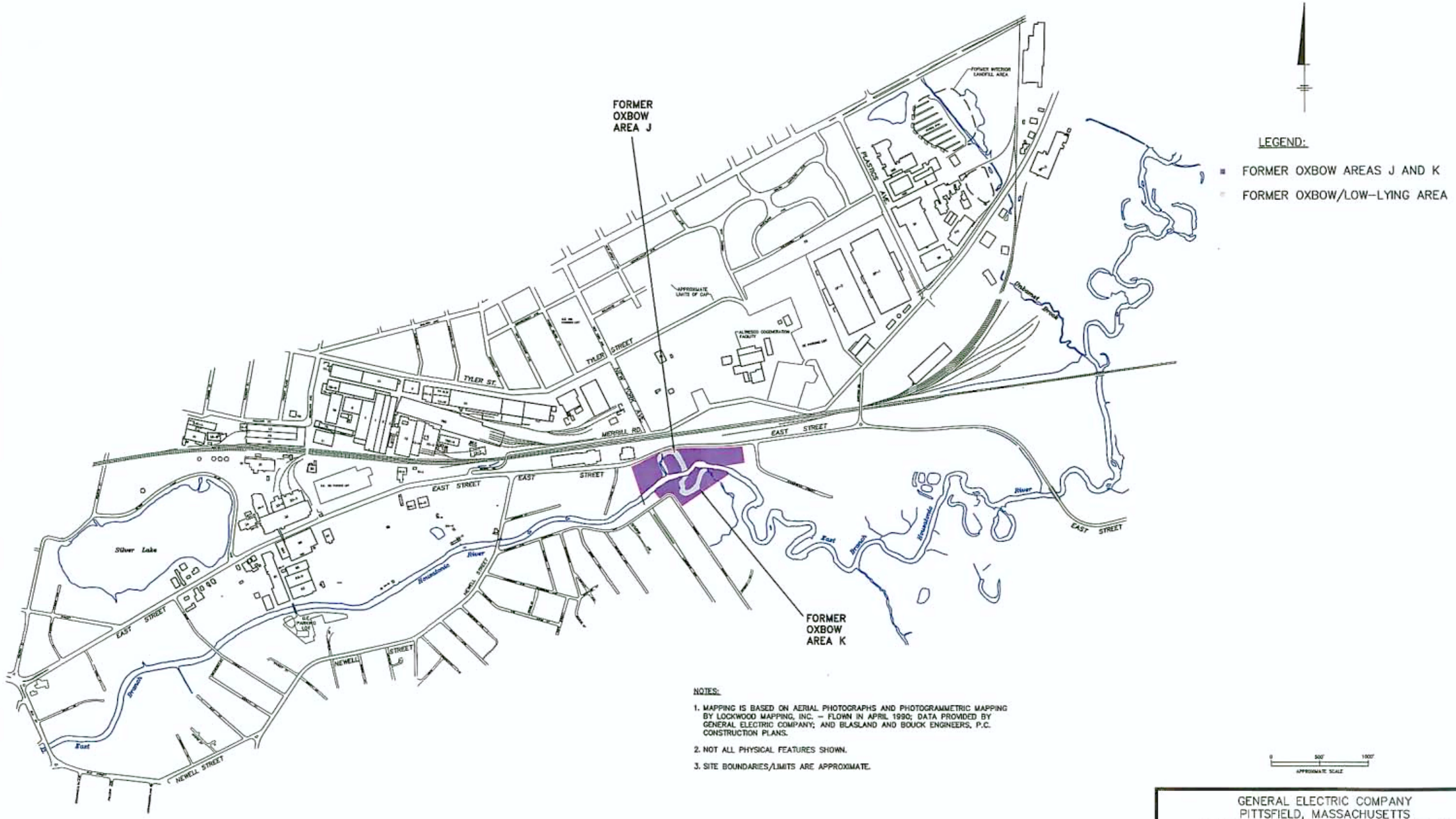
SAMPLE ID	GRID COORDINATE	SAMPLE DEPTH	ANALYSES				
			PCBs	VOCs	SVOCs	INORGANICS	PCDDs/PCDFs
RAA15-N15	N15	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-5 ft	X	--	--	--	--
		5-7 ft	X	--	--	--	--
		7-9 ft	X	--	--	--	--
		9-11 ft	X	--	--	--	--
		11-13 ft	X	--	--	--	--
		13-15 ft	X	--	--	--	--
RAA15-N16	N16	0-1 ft	X	--	--	--	--
RAA15-N17	N17	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-5 ft	X	--	--	--	--
		5-7 ft	X	--	--	--	--
		7-9 ft	X	--	--	--	--
		9-11 ft	X	--	--	--	--
		11-13 ft	X	--	--	--	--
		13-15 ft	X	--	--	--	--
RAA15-O11	O11	0-1 ft	X	--	--	--	--
RAA15-O13	O13	0-1 ft	X	--	--	--	--
RAA15-O14	O14	0-1 ft	X	--	--	--	--
RAA15-O15	O15	0-1 ft	X	--	--	--	--
RAA15-O16	O16	0-1 ft	X	--	--	--	--
RAA15-P12	P12	0-1 ft	X	--	--	--	--
RAA15-P13	P13	0-1 ft	X	--	--	--	--
		1-3 ft	X	X	X	X	X
		3-5 ft	X	--	--	--	--
		5-7 ft	X	--	--	--	--
		7-9 ft	X	--	--	--	--
		9-11 ft	X	--	--	--	--
		11-13 ft	X	--	--	--	--
		13-15 ft	X	--	--	--	--
RAA15-P14	P14	0-1 ft	X	--	--	--	--
RAA15-P15	P15	0-1 ft	X	--	--	--	--
		1-3 ft	X	--	--	--	--
		3-5 ft	X	--	--	--	--
		5-7 ft	X	--	--	--	--
		7-9 ft	X	--	--	--	--
		9-11 ft	X	--	--	--	--
		11-13 ft	X	--	--	--	--
		13-15 ft	X	--	--	--	--
RAA15-Q13	Q13	0-1 ft	X	--	--	--	--

NOTES:

1. This table identifies soil samples to be collected and the analyses to be performed as part of the pre-design investigation at Oxbow Areas J and K.
2. The Appendix IX+3 sample depth intervals shown above may be modified in the field based on the results of photoionization detector (PID) readings and visual observations at the time of sample collection.

Figures

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



NOTES:

1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. – FLOWN IN APRIL 1990; DATA PROVIDED BY GENERAL ELECTRIC COMPANY; AND BLASLAND AND BOUCK ENGINEERS, P.C. CONSTRUCTION PLANS.
2. NOT ALL PHYSICAL FEATURES SHOWN.
3. SITE BOUNDARIES/LIMITS ARE APPROXIMATE.

0 500' 1000'
APPROXIMATE SCALE

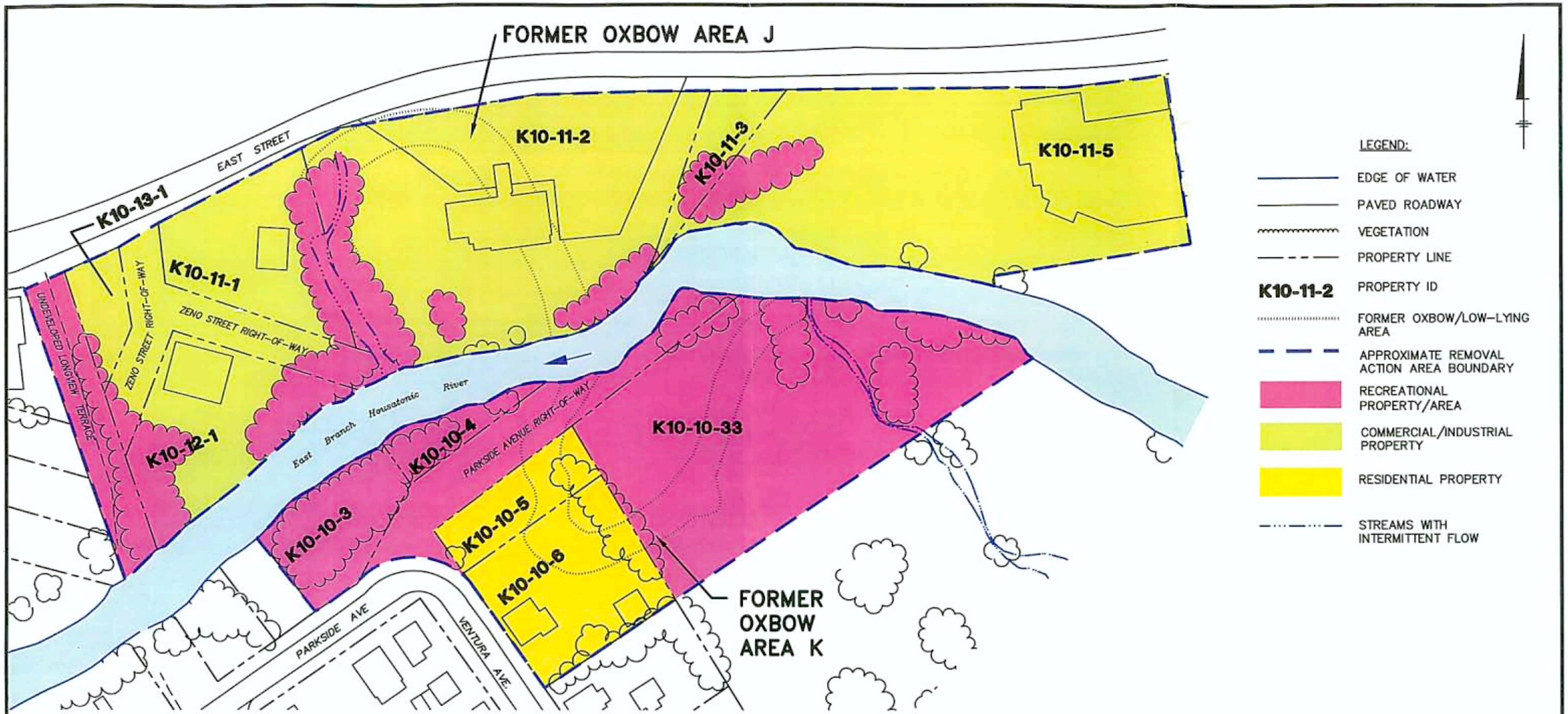
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FORMER OXBOW AREAS J AND K

SITE LOCATION

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

FIGURE 1

X: NONE
L: ON=*, OFF=REF*
P: PAGESET/PLT-BL (PLTHALF)
1/2/03 SYR-54-LAS DWW LJP
n/40413001/40413G18.DWG



NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM APRIL 1990 AERIAL PHOTOGRAPHS.
2. TAX ASSESSORS' PARCEL IDENTIFICATION NUMBERS AND BOUNDARY INFORMATION OBTAINED FROM CITY OF PITTSFIELD'S TAX ASSESSOR'S OFFICE, CURRENT THROUGH MAY 2002.
3. PROPERTY USE DESIGNATIONS REFLECT CURRENT AND FORESEEABLE FUTURE USE.
4. RECREATIONAL AREAS DEPICTED AT FORMER OXBOW AREA J ARE SUBJECT TO MODIFICATION BASED ON DISCUSSIONS WITH EPA.

0 100' 200'
GRAPHIC SCALE

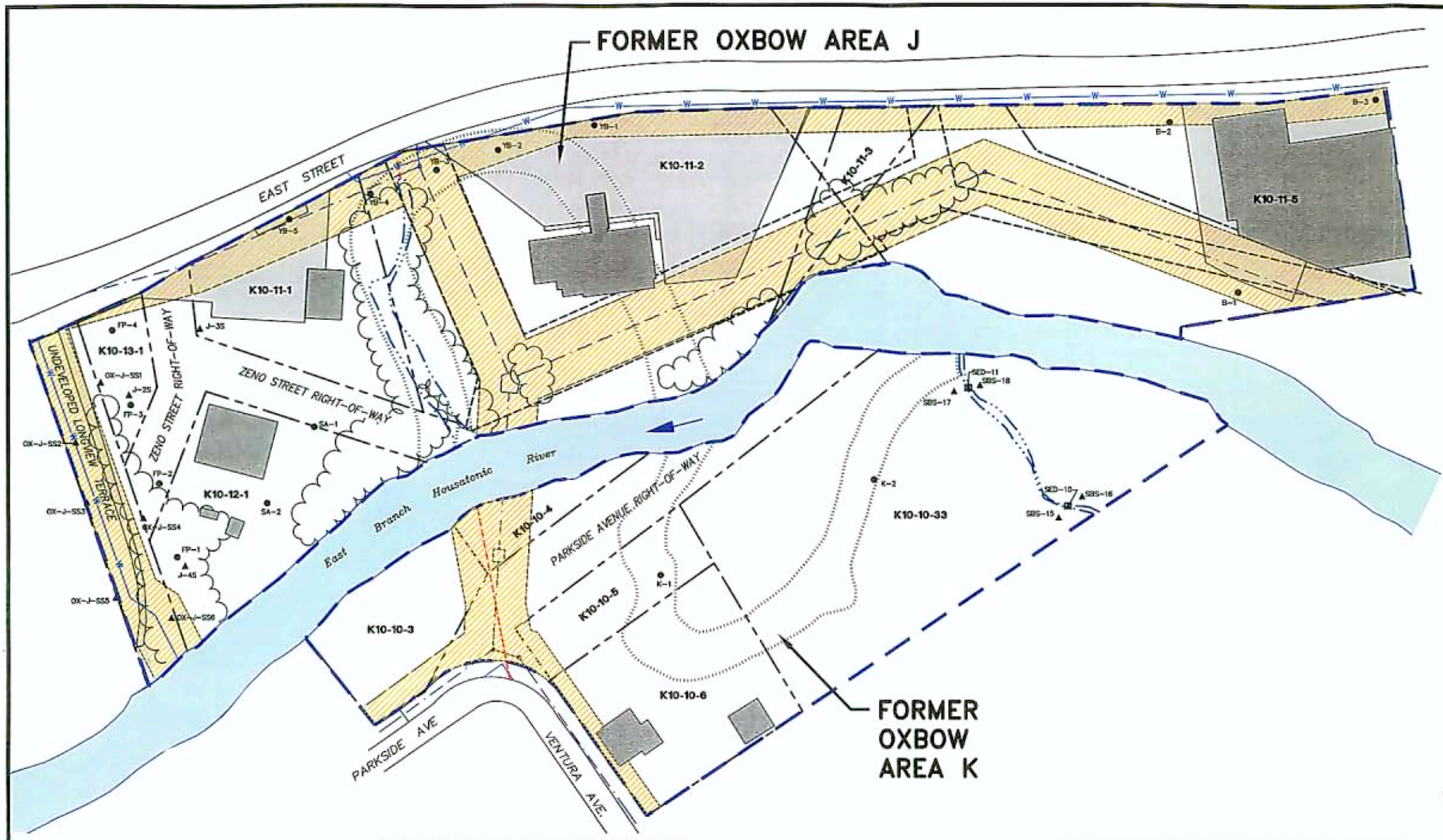
GENERAL ELECTRIC COMPANY
PITTSFIELD MASSACHUSETTS
FORMER OXBOW AREAS J AND K

SITE MAP

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

FIGURE 2

X: 40413X04.DWG
L: ON=*, OFF=REF
P: PAGESET/PLT-BL
1/2/03 SYR-54-LAF DMW LJP
N/40413001/40413801.DWG



LEGEND

- APPROXIMATE REMOVAL ACTION AREA BOUNDARY
- PROPERTY LINE
- WESTERN MASS. ELECTRIC CO. EASEMENT
- SEWER EASEMENT
- VEGETATION
- K10-10-6 PROPERTY ID
- ▲ OX-J-SS4 EXISTING SURFACE SOIL SAMPLE LOCATION
- ● YB-3 EXISTING SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- ⊠ SED-11 EXISTING SEDIMENT SAMPLE LOCATION
- APPROXIMATE SEWER LOCATION
- APPROXIMATE STORM DRAIN LOCATION
- APPROXIMATE WATER MAIN LOCATION
- BUILDING
- PAVED AREA
- FORMER OXBOW/LOW-LYING AREA
- APPROXIMATE LOCATION OF BAND SURROUNDING SUBSURFACE UTILITIES (25 FEET WIDE ON EACH SIDE OF UTILITY)
- STREAMS WITH INTERMITTENT FLOW

SUMMARY OF SOIL PCB SAMPLE RESULTS

(PPM DRY WT.)(SAMPLE INCREMENTS IN FEET)

Location ID	0 – 0.3	0 – 0.5	2 – 4	4 – 6	6 – 8	8 – 10	10 – 12	12 – 14	14 – 16	16 – 18	18 – 20	20 – 24	24 – 28	28 – 30
FP-1	0-4ft: ND(0.05)			4-8ft: ND(0.05)		8-12ft: ND(0.05)		12-16ft: ND(0.05)		16-20ft: ND(0.05)		ND(0.05)	ND(0.05)	ND(0.05)
FP-2	0-4ft: 1.3			4-8ft: ND(0.05)		---	---	---	---	---	---	---	---	---
FP-3	0-4ft: 2.8			4-8ft: 0.38		---	---	---	---	---	---	---	---	---
FP-4	0-4ft: 0.19			4-8ft: ND(0.05)		---	---	---	---	---	---	---	---	---
J-2S	0.53	---	---	---	---	---	---	---	---	---	---	---	---	---
J-3S	ND(0.022)	--	--	--	--	--	---	---	---	---	---	---	---	---
J-4S	1.9	---	---	---	---	---	---	---	---	---	---	---	---	---
OX-J-SS1	0.63	---	---	---	---	---	---	---	---	---	---	---	---	---
OX-J-SS2	1.6	---	---	---	---	---	---	---	---	---	---	---	---	---
OX-J-SS3	1.5	---	---	---	---	---	---	---	---	---	---	---	---	---
OX-J-SS4	1.3	---	---	---	---	---	---	---	---	---	---	---	---	---
OX-J-SS5	0.29[0.35]	---	---	---	---	---	---	---	---	---	---	---	---	---
OX-J-SS6	0.28	---	---	---	---	---	---	---	---	---	---	---	---	---
SA-1	0-4ft: 0.25			4-8ft: ND(0.05)		8-12ft: 0.05		---	---	---	---	---	---	---
SA-2	0-4ft: 0.2			4-8ft: 0.13		8-12ft: ND(0.05)		---	---	---	---	---	---	---
YB-1	0-4ft: 0.95			4-8ft: 0.43		---	---	---	---	---	---	---	---	---
YB-2	0-4ft: 2.3			4-8ft: 0.8		---	---	---	---	---	---	---	---	---
YB-3	0-4ft: 0.57			4-8ft: ND(0.05)		---	---	---	---	---	---	---	---	---
YB-4	0-4ft: 0.55			4-8ft: ND(0.05)		---	---	---	---	---	---	---	---	---
YB-5	0-4ft: 1.8			4-8ft: 0.08		---	---	---	---	---	---	---	---	---
K-1	0-2ft: 0.15		ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	---	---	---
K-2	0-2ft: 0.07		ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	---	---	---	---	---	---	---	---
SBS-15		0.69	---	---	---	---	---	---	---	---	---	---	---	---
SBS-16		0.22	---	---	---	---	---	---	---	---	---	---	---	---
SBS-17		1.2	---	---	---	---	---	---	---	---	---	---	---	---
SBS-18		0.88	---	---	---	---	---	---	---	---	---	---	---	---
B-1	---	---	ND(0.250)	---	---	---	---	---	---	---	---	---	---	---
B-2	---	---	2-6ft: 8.58	---	---	---	---	---	---	---	---	---	---	---
B-3	---	---	2-6ft: 2.27	---	---	---	---	---	---	---	---	---	---	---

TABLE NOTES:

1. -- = No sample collected.
2. ND = Not detected.
3. (0.05) = Detection limit.
3. [0.35] = Duplicate Sample

SUMMARY OF SEDIMENT PCB SAMPLE RESULTS

(PPM DRY WT.)(SAMPLE INCREMENTS IN FEET)

Location ID	0 – 0.5	0.5 – 1	1 – 1.5
SED-10	5.3	6.7	3.5
SED-11	6.4	0.43	ND(0.037)

GENERAL NOTES:

1. BASE MAP MODIFIED FROM PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC – FLOWN IN APRIL 1990.
2. FORMER RIVER CHANNEL AND OXBOW/LOW-LYING AREAS DELINEATED USING THE CITY OF PITTSFIELD'S RECHANNELIZATION MAPPING, 1940.
3. EASEMENTS AND PROPERTY LINES ARE APPROXIMATE.

0 100' 200'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD MASSACHUSETTS

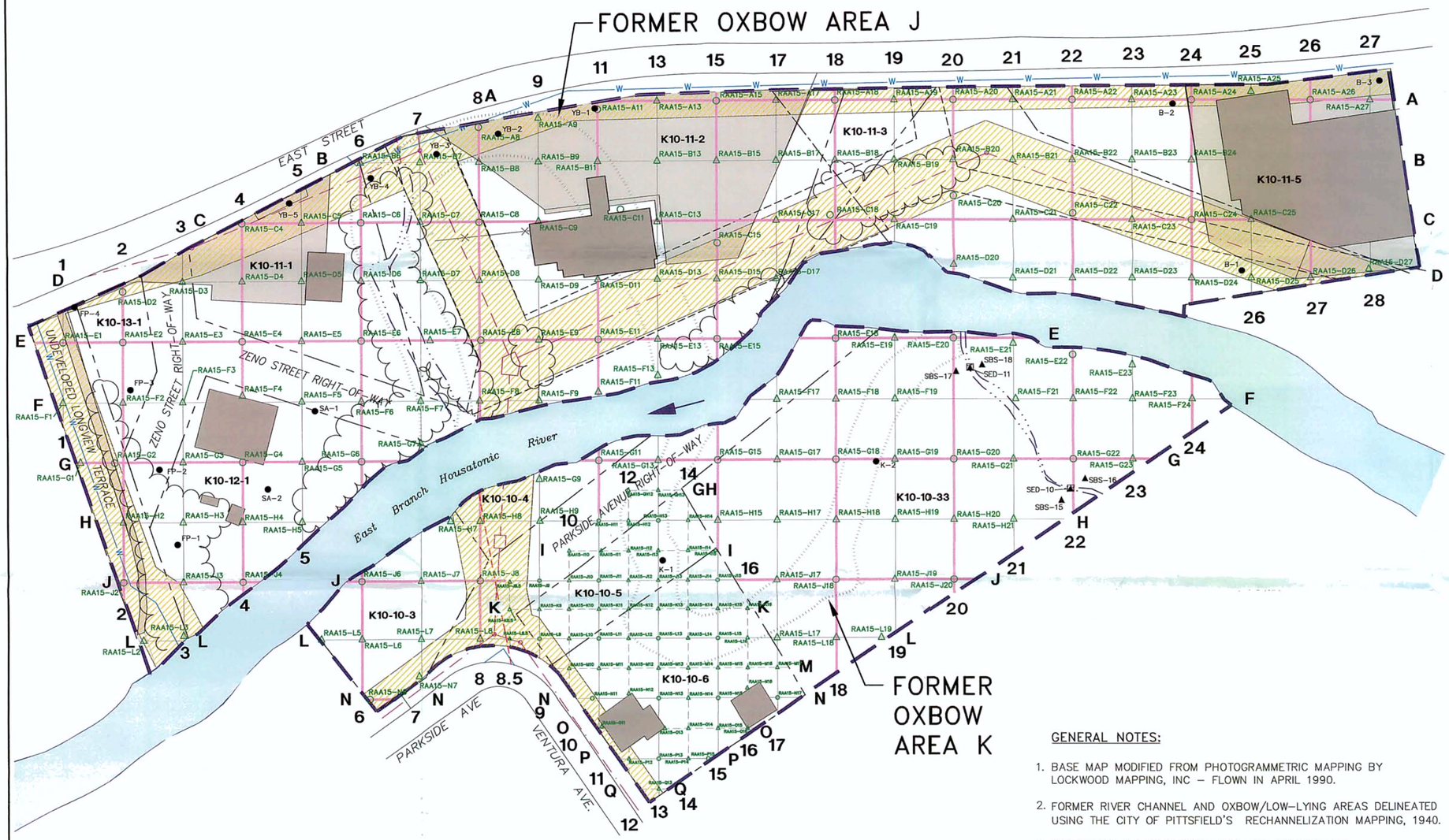
FORMER OXBOW AREAS J AND K

EXISTING SOIL SAMPLE LOCATIONS

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

FIGURE 3

X: 30154X05.DWG
L: ON=*, OFF=REF
P: PAGESET/PLT-BL
1/2/03 SYR-54-KMD DWW LJP
N/40413001/40413G11.DWG



LEGEND

- APPROXIMATE REMOVAL ACTION AREA BOUNDARY
- PROPERTY LINE
- WESTERN MASS. ELECTRIC CO. EASEMENT
- SEWER EASEMENT
- K10-10-6 PROPERTY ID
- ▲FP-1 EXISTING SURFACE SOIL SAMPLE LOCATION
- ●YB-3 EXISTING SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- SED-10 EXISTING SEDIMENT SAMPLE LOCATION
- RAA15-G5 PROPOSED SURFACE SOIL SAMPLE LOCATION
- RAA15-G6 PROPOSED SOIL BORING LOCATION
- BUILDING
- PAVED AREA
- FORMER OXBOW/LOW-LYING AREA
- APPROXIMATE SEWER LOCATION
- APPROXIMATE STORM DRAIN LOCATION
- W APPROXIMATE WATER MAIN LOCATION
- APPROXIMATE LOCATION OF BAND SURROUNDING SUBSURFACE UTILITIES (25 FEET WIDE ON EACH SIDE OF UTILITY)
- STREAMS WITH INTERMITTENT FLOW
- 25-FOOT SAMPLING GRID
- 50-FOOT SAMPLING GRID
- 100-FOOT GRID SAMPLING GRID

GENERAL NOTES:

1. BASE MAP MODIFIED FROM PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC - FLOWN IN APRIL 1990.
2. FORMER RIVER CHANNEL AND OXBOW/LOW-LYING AREAS DELINEATED USING THE CITY OF PITTSFIELD'S RECHANNELIZATION MAPPING, 1940.
3. EASEMENTS AND PROPERTY LINES ARE APPROXIMATE.

SUMMARY OF SOIL PCB SAMPLE RESULTS

(PPM DRY WT.)(SAMPLE INCREMENTS IN FEET)

Location ID	0 - 0.5	2 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	18 - 20	20 - 24	24 - 28	28 - 30
FP-1	0-4ft: ND(0.05)		4-8ft: ND(0.05)		8-12ft: ND(0.05)		12-16ft: ND(0.05)		16-20ft: ND(0.05)		ND(0.05)	ND(0.05)	ND(0.05)
FP-2	0-4ft: 13		4-8ft: ND(0.05)		--	--	--	--	--	--	--	--	--
FP-3	0-4ft: 2.8		4-8ft: 0.38		--	--	--	--	--	--	--	--	--
FP-4	0-4ft: 0.19		4-8ft: ND(0.05)		--	--	--	--	--	--	--	--	--
SA-1	0-4ft: 0.25		4-8ft: ND(0.05)		8-12ft: 0.05		--	--	--	--	--	--	--
SA-2	0-4ft: 0.2		4-8ft: 0.13		8-12ft: ND(0.05)		--	--	--	--	--	--	--
YB-1	0-4ft: 0.95		4-8ft: 0.43		--	--	--	--	--	--	--	--	--
YB-2	0-4ft: 2.3		4-8ft: 0.8		--	--	--	--	--	--	--	--	--
YB-3	0-4ft: 0.57		4-8ft: ND(0.05)		--	--	--	--	--	--	--	--	--
YB-4	0-4ft: 0.55		4-8ft: ND(0.05)		--	--	--	--	--	--	--	--	--
YB-5	0-4ft: 1.8		4-8ft: 0.08		--	--	--	--	--	--	--	--	--
K-1	0-2ft: 0.15	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	--	--	--
K-2	0-2ft: 0.07	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)	--	--	--	--	--	--	--	--
SBS-15	0.69	--	--	--	--	--	--	--	--	--	--	--	--
SBS-16	0.22	--	--	--	--	--	--	--	--	--	--	--	--
SBS-17	1.2	--	--	--	--	--	--	--	--	--	--	--	--
SBS-18	0.88	--	--	--	--	--	--	--	--	--	--	--	--
B-1	--	ND(0.250)	--	--	--	--	--	--	--	--	--	--	--
B-2	--	2-6ft: 8.58		--	--	--	--	--	--	--	--	--	--
B-3	--	2-6ft: 2.27		--	--	--	--	--	--	--	--	--	--

TABLE NOTES:

1. -- = No sample collected.
2. ND = Not detected.
3. (0.05) = Detection Limit

SUMMARY OF SEDIMENT PCB SAMPLE RESULTS

(PPM DRY WT.)(SAMPLE INCREMENTS IN FEET)

Location ID	0 - 0.5	0.5 - 1	1 - 1.5
SED-10	5.3	6.7	3.5
SED-11	6.4	0.43	ND(0.037)

0 100' 200'

GRAPHIC SCALE

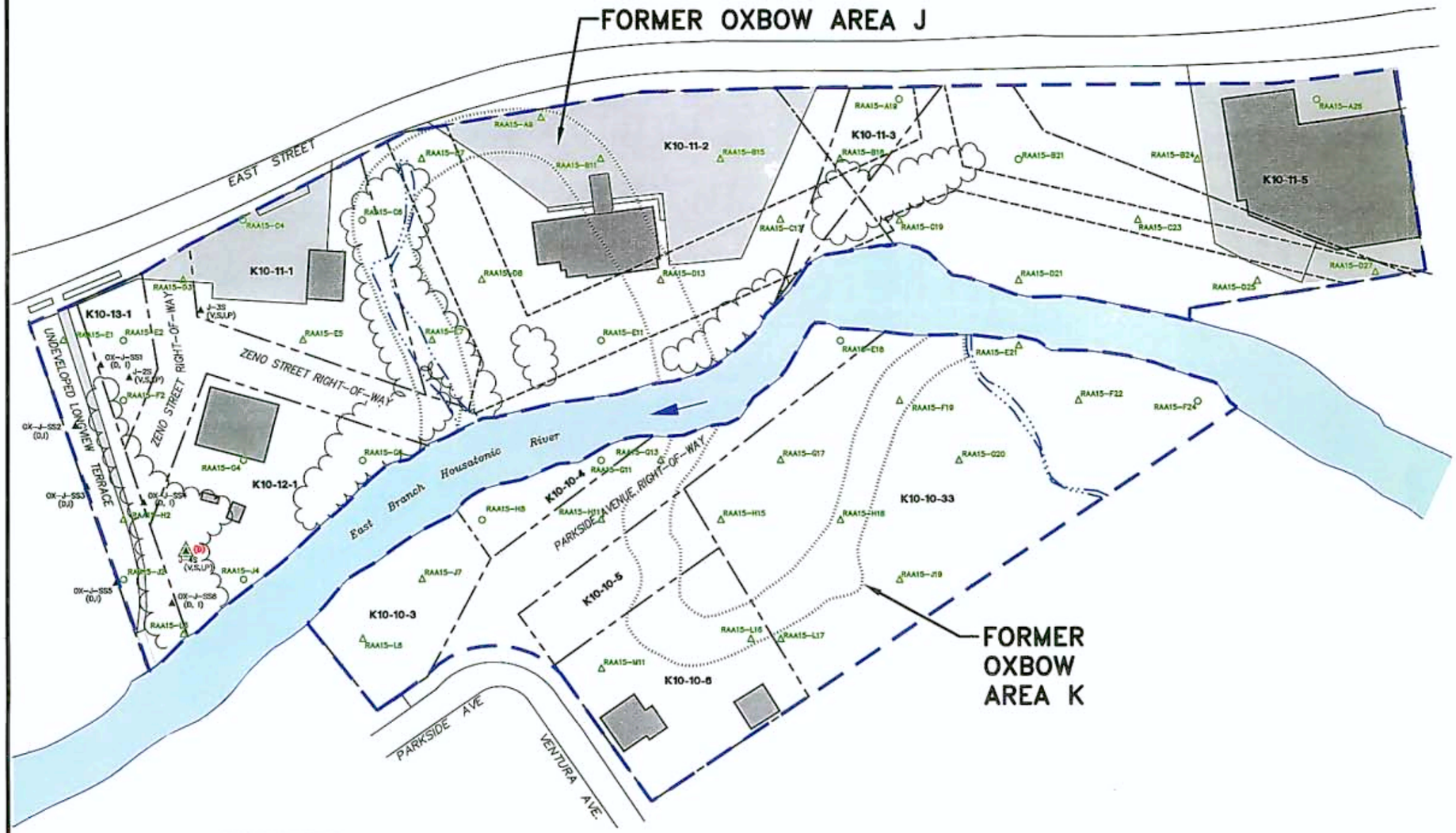
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FORMER OXBOW AREAS J AND K

PROPOSED AND EXISTING PCB CHARACTERIZATION LOCATIONS

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

FIGURE 4

X: 40413X05.DWG
L: ON=*, OFF=REF
P: PAGESET/PLT-DL
1/2/03 SYR-54-LAS SDL LJP
N/40413001/40413G07.DWG



LEGEND

- APPROXIMATE REMOVAL ACTION AREA BOUNDARY
- PROPERTY LINE
- WESTERN MASS. ELECTRIC CO. EASEMENT
- SEWER EASEMENT
- VEGETATION
- K10-10-6 PROPERTY ID
- EXISTING SURFACE SOIL SAMPLE LOCATION
- PROPOSED SURFACE SOIL SAMPLE LOCATIONS
- PROPOSED SOIL BORING LOCATIONS
- BUILDING
- PAVED AREA
- FORMER OXBOW/LOW-LYING AREA
- STREAMS WITH INTERMITTENT FLOW
- EXISTING SURFACE SOIL SAMPLING LOCATION PROPOSED FOR ADDITIONAL APPENDIX IX+3 SAMPLING

GENERAL NOTES:

1. BASE MAP MODIFIED FROM PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC – FLOWN IN APRIL 1990.
2. FORMER RIVER CHANNEL AND OXBOW/LOW-LYING AREAS DELINEATED USING THE CITY OF PITTSFIELD'S RECHANNELIZATION MAPPING, 1940.
3. EASEMENTS AND PROPERTY LINES ARE APPROXIMATE.
4. SOIL SAMPLES INCLUDE THE FOLLOWING PARAMETERS (EXCLUDING HERBICIDES AND PESTICIDES) UNLESS OTHERWISE INDICATED IN PARENTHESES.

   V = VOLATILE ORGANIC COMPOUNDS (VOCs)
   S = SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)
   D = POLYCHLORINATED DIBENZO-P-DIOXINS (PCDDs) AND POLYCHLORINATED DIBENZOFURANS (PCDFs)
   I = INORANICS
   P = PESTICIDES AND HERBICIDES

0 100' 200'

GRAPHIC SCALE

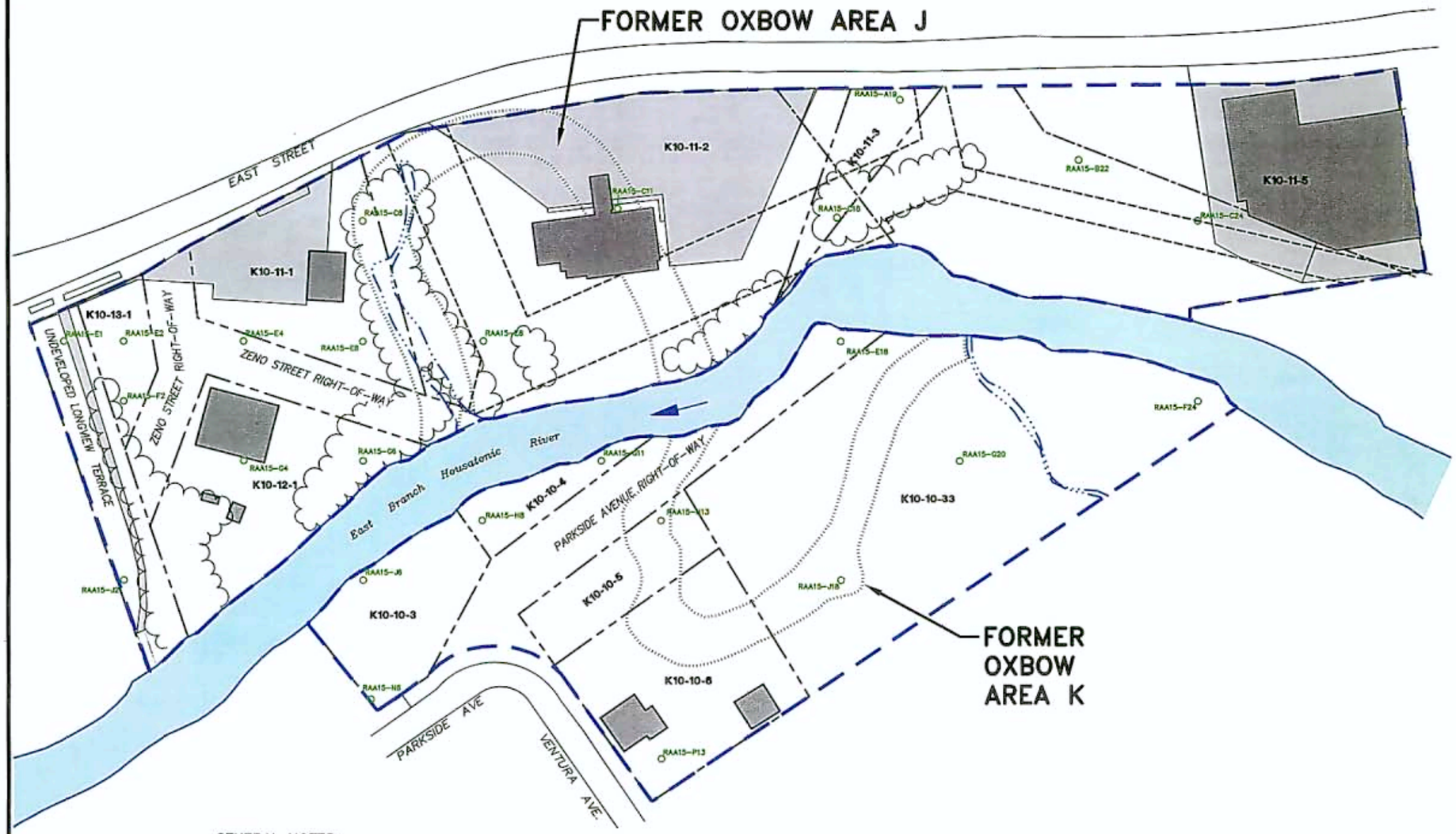
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FORMER OXBOW AREAS J AND K

EXISTING AND PROPOSED APPENDIX IX + 3 SOIL SAMPLE LOCATIONS (0- TO 1- FOOT INTERVAL)

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

FIGURE 5

X: 40413X05.DWG
L: ON=*, OFF=REF*
P: PAGESET/PLT-BL
1/2/03 SYR-54-KWD DWW LJP
N/40413001/40413G13.DWG



LEGEND

- APPROXIMATE REMOVAL ACTION AREA BOUNDARY
- PROPERTY LINE
- WESTERN MASS. ELECTRIC CO. EASEMENT
- SEWER EASEMENT
- VEGETATION
- K10-10-6 PROPERTY ID
- BUILDING
- PAVED AREA
- FORMER OXBOW/LOW-LYING AREA
- RAA15-F24 PROPOSED SOIL BORING LOCATION
- STREAMS WITH INTERMITTENT FLOW

GENERAL NOTES:

1. BASE MAP MODIFIED FROM PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC – FLOWN IN APRIL 1990.
2. FORMER RIVER CHANNEL AND OXBOW/LOW-LYING AREAS DELINEATED USING THE CITY OF PITTSFIELD'S RECHANNELIZATION MAPPING, 1940.
3. EASEMENTS AND PROPERTY LINES ARE APPROXIMATE.
4. SOIL SAMPLES INCLUDE THE FOLLOWING PARAMETERS (EXCLUDING HERBICIDES AND PESTICIDES) UNLESS OTHERWISE INDICATED IN PARENTHESES.

   V = VOLATILE ORGANIC COMPOUNDS (VOCs)
   S = SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)
   D = POLYCHLORINATED DIBENZO-P-DIOXINS (PCDDs) AND POLYCHLORINATED DIBENZOFURANS (PCDFs)
   I = INORANICS
   P = PESTICIDES AND HERBICIDES

0 100' 200'
GRAPHIC SCALE

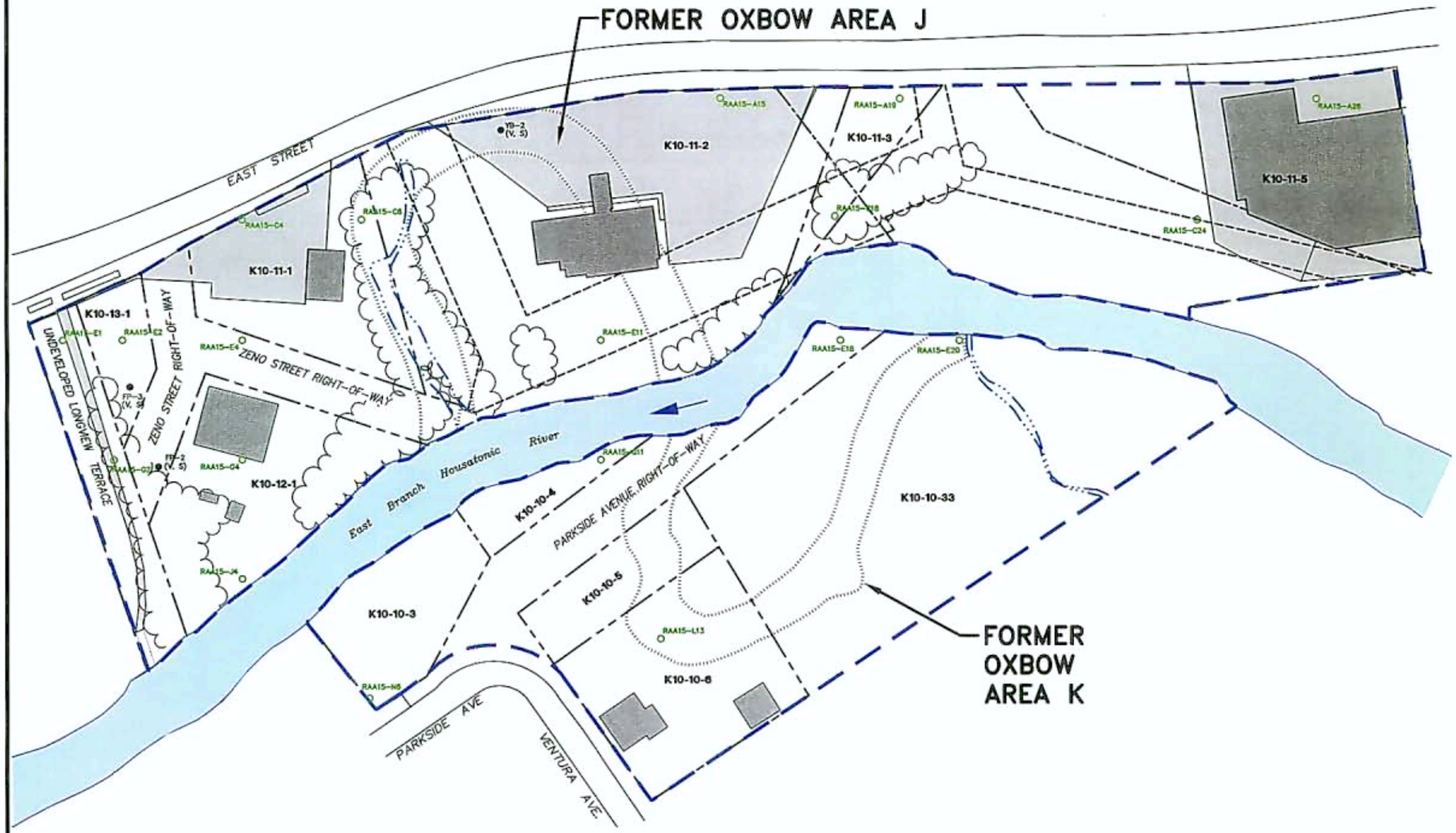
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FORMER OXBOW AREAS J AND K

EXISTING AND PROPOSED APPENDIX IX + 3 SOIL SAMPLE LOCATIONS (1- TO 3- FOOT INTERVAL)

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

FIGURE 6

X: 40413X03.DWG
L: ON=*, OFF=REF*
P: PAGESET/PLT-BL
1/2/03 SYR-54-LAS DMW LJP
N/40413001/40413014.DWG



GENERAL NOTES:

1. BASE MAP MODIFIED FROM PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC – FLOWN IN APRIL 1990.
2. FORMER RIVER CHANNEL AND OXBOW/LOW-LYING AREAS DELINEATED USING THE CITY OF PITTSFIELD'S RECHANNELIZATION MAPPING, 1940.
3. EASEMENTS AND PROPERTY LINES ARE APPROXIMATE.
4. SOIL SAMPLES INCLUDE THE FOLLOWING PARAMETERS (EXCLUDING HERBICIDES AND PESTICIDES) UNLESS OTHERWISE INDICATED IN PARENTHESES.

   V = VOLATILE ORGANIC COMPOUNDS (VOCs)
   S = SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)
   D = POLYCHLORINATED DIBENZO-P-DIOXINS (PCDDs) AND POLYCHLORINATED DIBENZOFURANS (PCDFs)
   I = INORANICS
   P = PESTICIDES AND HERBICIDES

0 100' 200'
GRAPHIC SCALE

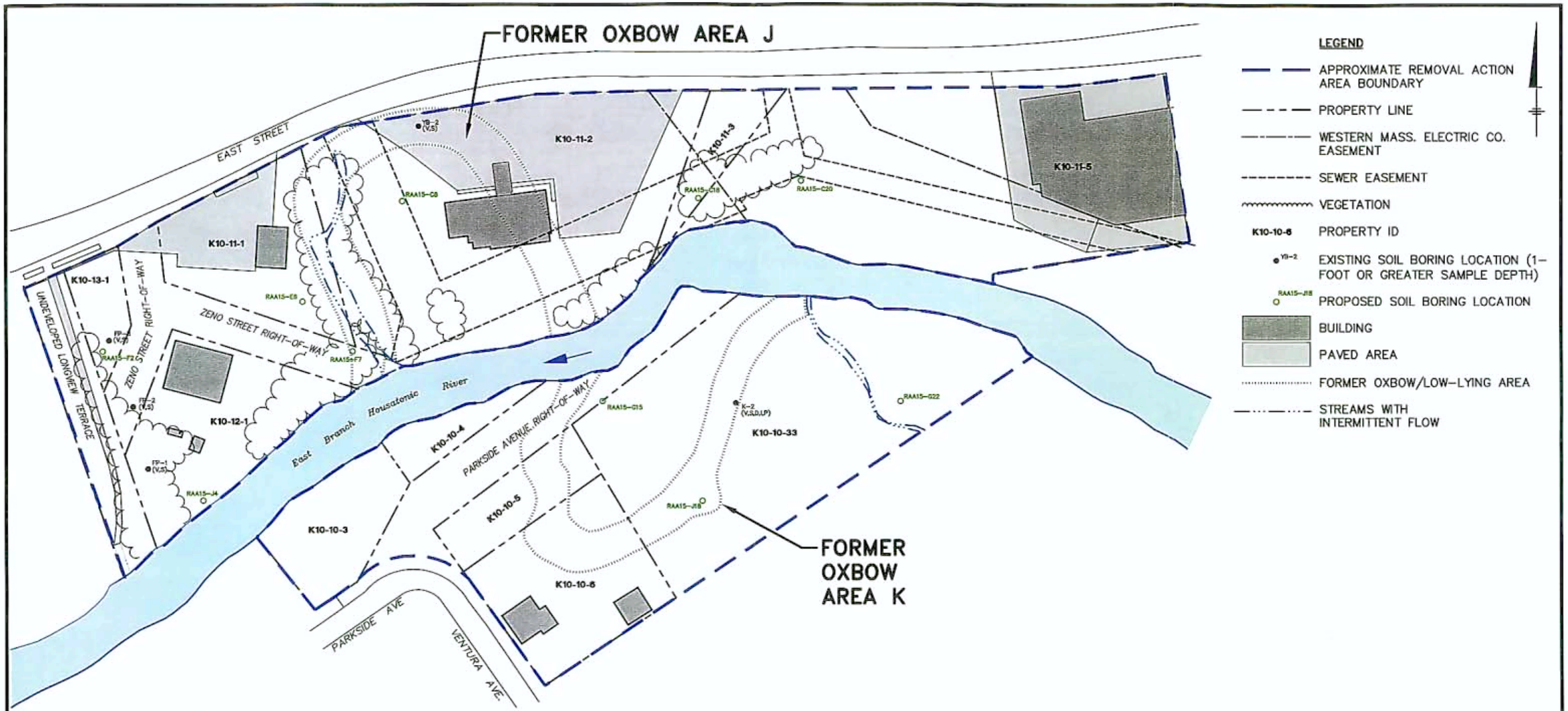
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FORMER OXBOW AREAS J AND K

EXISTING AND PROPOSED APPENDIX IX + 3 SOIL SAMPLE LOCATIONS (3- TO 6- FOOT INTERVAL)

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

FIGURE 7

X: 40413X05.DWG
L: ON=*, OFF=REF*
P: PAGESET/PLT-BL
1/2/02 SYR-54-LAS DWW LJP
N/40413001/40413G15.DWG



GENERAL NOTES:

1. BASE MAP MODIFIED FROM PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC – FLOWN IN APRIL 1990.
2. FORMER RIVER CHANNEL AND OXBOW/LOW-LYING AREAS DELINEATED USING THE CITY OF PITTSFIELD'S RECHANNELIZATION MAPPING, 1940.
3. EASEMENTS AND PROPERTY LINES ARE APPROXIMATE.
4. SOIL SAMPLES INCLUDE THE FOLLOWING PARAMETERS (EXCLUDING HERBICIDES AND PESTICIDES) UNLESS OTHERWISE INDICATED IN PARENTHESES.

   V = VOLATILE ORGANIC COMPOUNDS (VOCs)
   S = SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)
   D = POLYCHLORINATED DIBENZO-P-DIOXINS (PCDDs) AND POLYCHLORINATED DIBENZOFURANS (PCDFs)
   I = INORANICS
   P = PESTICIDES AND HERBICIDES

0 100' 200'
GRAPHIC SCALE

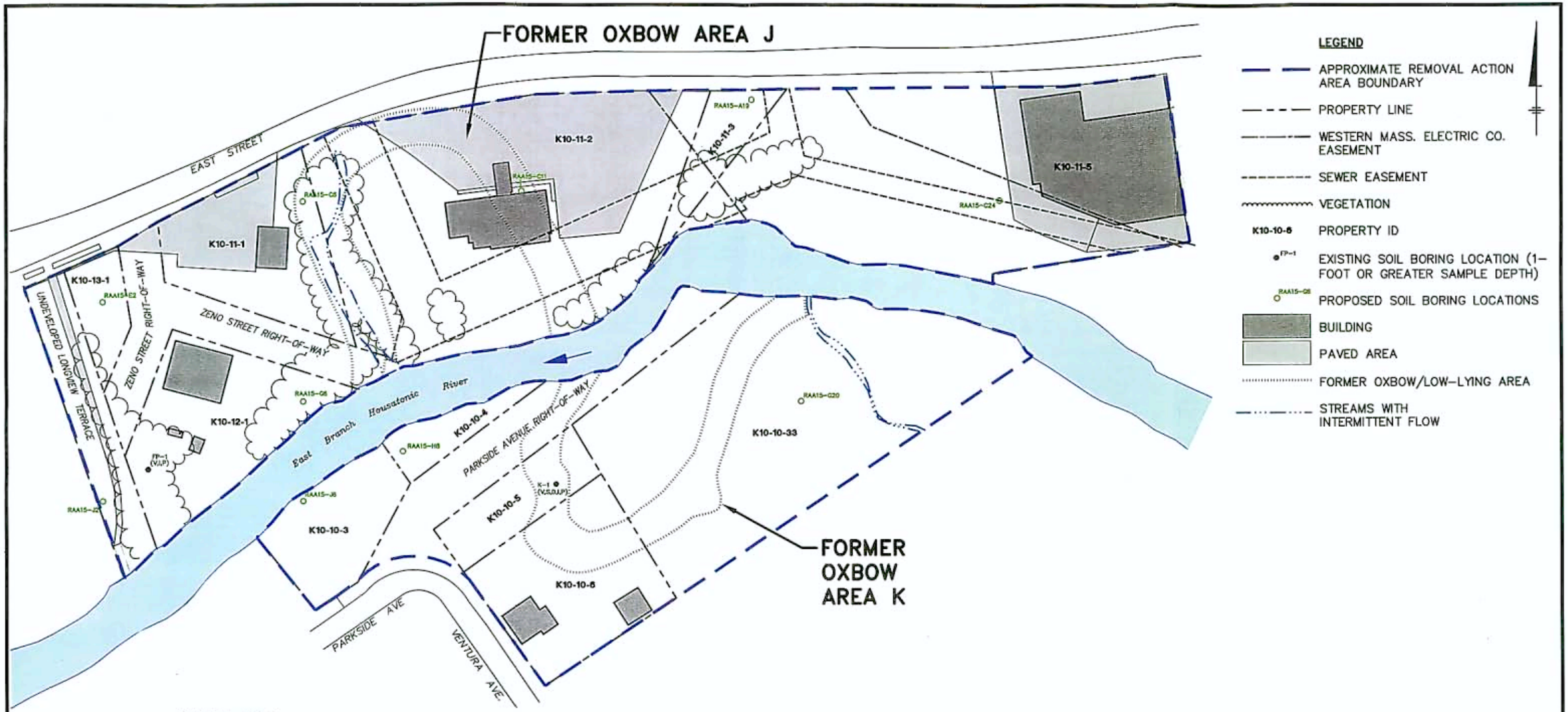
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FORMER OXBOW AREAS J AND K

EXISTING AND PROPOSED APPENDIX IX + 3 SOIL SAMPLE LOCATIONS (6- TO 10- FOOT INTERVAL)

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

FIGURE 8

X: 40413X05.DWG
L: ON=*, OFF=REF*
P: PAGESET/PLT-BL
1/2/03 SYR-54-LJP DMW LJP
N/40413001/40413C16.DWG



GENERAL NOTES:

1. BASE MAP MODIFIED FROM PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC – FLOWN IN APRIL 1990.
2. FORMER RIVER CHANNEL AND OXBOW/LOW-LYING AREAS DELINEATED USING THE CITY OF PITTSFIELD'S RECHANNELIZATION MAPPING, 1940.
3. EASEMENTS AND PROPERTY LINES ARE APPROXIMATE.
4. SOIL SAMPLES INCLUDE THE FOLLOWING PARAMETERS (EXCLUDING HERBICIDES AND PESTICIDES) UNLESS OTHERWISE INDICATED IN PARENTHESES.

   V = VOLATILE ORGANIC COMPOUNDS (VOCs)
   S = SEMI-VOLATILE ORGANIC COMPOUNDS (SVOCs)
   D = POLYCHLORINATED DIBENZO-P-DIOXINS (PCDDs) AND POLYCHLORINATED DIBENZOFURANS (PCDFs)
   I = INORANICS
   P = PESTICIDES AND HERBICIDES

0 100' 200'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FORMER OXBOW AREAS J AND K

EXISTING AND PROPOSED APPENDIX IX + 3 SOIL SAMPLE LOCATIONS (10- TO 15- FOOT INTERVAL)

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

FIGURE 9

X: 40413X05.DWG
L: ON=*, OFF=REF*
P: PAGESET/PLT=BL
1/2/03 SYR-54-LAS DWW LJP
N/40113001/40113G17.DWG

Appendix

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

Appendix A

Compilation of Prior Soil Sampling Data

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

TABLE A-1

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

SUMMARY OF PCB DETECTIONS IN SOIL/SEDIMENT

Location	Sample ID	Depth (feet)	Sample Date	Total PCB Concentration (ppm)
Oxbow J				
FP-1	FP-1 , 0-4	0-4	10/5/89	ND (0.05)
FP-1	FP-1 , 4-8	4-8	10/5/89	ND (0.05)
FP-1	FP-1 , 8-12	8-12	10/5/89	ND (0.05)
FP-1	FP-1 , 12-16	12-16	10/5/89	ND (0.05)
FP-1	FP-1 , 16-20	16-20	10/5/89	ND (0.05)
FP-1	FP-1 , 20-24	20-24	10/5/89	ND (0.05)
FP-1	FP-1 , 24-28	24-28	10/5/89	ND (0.05)
FP-1	FP-1 , 28-30	28-30	10/5/89	ND (0.05)
FP-2	FP-2 , 0-4	0-4	10/5/89	13
FP-2	FP-2 , 4-8	4-8	10/5/89	ND (0.05)
FP-3	FP-3 , 0-4	0-4	10/5/89	2.8
FP-3	FP-3 , 4-8	4-8	10/5/89	0.38
FP-4	FP-4 , 0-4	0-4	10/5/89	0.19
FP-4	FP-4 - 4-8	4-8	10/5/89	ND (0.05)
SA-1	SA-1 , 0-4	0-4	10/5/89	0.25
SA-1	SA-1 , 4-8	4-8	10/5/89	ND (0.05)
SA-1	SA-1 , 8-12	8-12	10/5/89	0.05
SA-2	SA-2 , 0-4	0-4	10/5/89	0.20
SA-2	SA-2 , 4-8	4-8	10/5/89	0.13
SA-2	SA-2 , 8-12	8-12	10/5/89	ND (0.05)
YB-1	YB-1 , 0-4	0-4	10/6/89	0.95
YB-1	YB-1 , 4-8	4-8	10/6/89	0.43
YB-2	YB-2 , 0-4	0-4	10/6/89	2.3
YB-2	YB-2 , 4-8	4-8	10/6/89	0.80
YB-3	YB-3 , 0-4	0-4	10/6/89	0.57
YB-3	YB-3 , 4-8	4-8	10/6/89	ND (0.05)
YB-4	YB-4 , 0-4	0-4	10/6/89	0.55
YB-4	YB-4 , 4-8	4-8	10/6/89	ND (0.05)
YB-5	YB-5 , 0-4	0-4	10/6/89	1.8
YB-5	YB-5 , 4-8	4-8	10/6/89	0.08
J-2S	ROJ2S	0-0.3	12/10/91	0.53
J-3S	ROJ3S	0-0.3	12/10/91	ND (0.022)
J-4S	ROJ4S	0-0.3	12/10/91	1.9
OX-J-SS1	OX-J-SS1	0-0.3	9/16/94	0.63
OX-J-SS2	OX-J-SS2	0-0.3	9/16/94	1.6
OX-J-SS3	OX-J-SS3	0-0.3	9/16/94	1.5
OX-J-SS4	OX-J-SS4	0-0.3	9/16/94	1.3
OX-J-SS5	OX-J-SS5	0-0.3	9/16/94	0.29 [0.35]
OX-J-SS6	OX-J-SS6	0-0.3	9/16/94	0.28
B-1	B-1 2-4	2-4	7/5/01	ND (0.250)
B-2	B-2 2-6	2-6	7/5/01	8.58
B-3	B-3 2-6	2-6	7/5/01	2.27
Oxbow K				
K-1	ROO1B0002	0-2	1/31/91	0.15
K-1	ROO1B0204	2-4	1/31/91	ND (0.05)
K-1	ROO1B0406	4-6	1/31/91	ND (0.05)
K-1	ROO1B0608	6-8	1/31/91	ND (0.05)
K-1	ROO1B0810	8-10	1/31/91	ND (0.05)
K-1	ROO1B1012	10-12	1/31/91	ND (0.05)
K-1	ROO1B1214	12-14	1/31/91	ND (0.05)
K-1	ROO1B1416	14-16	1/31/91	ND (0.05)

TABLE A-1

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

SUMMARY OF PCB DETECTIONS IN SOIL/SEDIMENT

Location	Sample ID	Depth (feet)	Sample Date	Total PCB Concentration (ppm)
K-1	ROO1B1618	16-18	1/31/91	ND (0.05)
K-1	ROO1B1820	18-20	1/31/91	ND (0.05)
K-2	ROO2B0002	0-2	1/31/91	0.07
K-2	ROO2B0204	2-4	1/31/91	ND (0.05)
K-2	ROO2B0406	4-6	1/31/91	ND (0.05)
K-2	ROO2B0608	6-8	1/31/91	ND (0.05)
K-2	ROO2B0810	8-10	1/31/91	ND (0.05)
SBS-15	K10-10-33-SBS-15	0-0.5	4/28/98	0.69
SBS-16	K10-10-33-SBS-16	0-0.5	4/28/98	0.22
SBS-17	K10-10-33-SBS-17	0-0.5	4/28/98	1.2
SBS-18	K10-10-33-SBS-18	0-0.5	4/28/98	0.88
SED-10	K10-10-33-SED-10	0-0.5	4/28/98	5.3
SED-10	K10-10-33-SED-10	0.5-1	4/28/98	6.7
SED-10	K10-10-33-SED-10	1-1.5	4/28/98	3.5
SED-11	K10-10-33-SED-11	0-0.5	4/28/98	6.4
SED-11	K10-10-33-SED-11	0.5-1	4/28/98	0.43
SED-11	K10-10-33-SED-11	1-1.5	4/28/98	ND (0.037)

NOTES:

1. Concentrations are reported in dry weight parts per million (ppm). Only detected analytes are shown.
2. ND - Not detected with detection limit in parentheses.
3. K10-10-33-SBS and -SED series data obtained from: *Supplemental Investigation Summary Report for* Goodrich *Brook (Parcel K10-10-33)* ; BBL; May 18, 1998.
4. B-1, B-2, and B-3 data obtained from: *Environmental Site Assessment, 1400 East Street* ; Scalise . Associates, Inc.; July 2001.
5. Remaining data obtained from: *MCP Phase I and Interim Phase II Report for Former Housatonic River Oxbow Areas A, B, C, J and K, Volume I of II;* BBL; February 1996.

TABLE A-2

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

SUMMARY OF VOC DETECTIONS IN SOIL

	Oxbow J								Oxbow K	
Location:	**FP-1**	**FP-2**	**FP-3**	**YB-2**	**YB-4**	**J-2S**	**J-3S**	**J-4S**	**K-1**	**K-2**
Depth (feet):	8-12	4-8	4-8	4-8	0-4	0-0.3	0-0.3	0-0.3	14-16	8-10
Sample Date:	10/5/89	10/5/89	10/5/89	10/6/89	10/6/89	12/10/91	12/10/91	12/10/91	01/31/91	01/31/91
Parameter										
Methylene Chloride	0.006 B	0.006 B	0.005 BJ	0.003 BJ	0.002 BJ	0.074 B	0.055 B	0.087 B	0.033 B	0.038 B
Acetone	NA	NA	NA	NA	NA	0.039	0.028	0.059	0.022 B	0.032 B
Toluene	0.004 J	0.003 J	0.003 J	0.001 J	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)
1, 1, 1-Trichloroethane	ND (0.005)	ND (0.005)	ND (0.005)	0.004 J	0.005	ND (0.012)	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)
1, 1, 2-Trichloro-1, 2, 2, -Trifluoroethene	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	0.003 J	0.002 J	0.003 J	ND (0.012)	ND (0.012)
Trichloroethene	0.001 J	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.005)	ND (0.006)	ND (0.005)	ND (0.007)	ND (0.006)	ND (0.006)

NOTES:

1. Concentrations are reported in dry weight parts per million (ppm). Only detected analytes are shown.
2. ND - Not detected with detection limits in parentheses.
3. NA - Parameter not analyzed.
4. J - Indicates an estimated concentration below the sample quantitation limit.
5. B - Indicates the compound was found in the associated blank, as well as in the sample
6. Data obtained from : *MCP Phase I and Interim Phase II Report for Former Housatonic River, Oxbow Areas A, B, C, J and K, Volume I of II;* BBL; February 1996.

TABLE A-3

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

SUMMARY OF SVOC DETECTIONS IN SOIL

	Oxbow J								Oxbow K	
Location:	**FP-1**	**FP-2**	**FP-3**	**YB-2**	**YB-4**	**J-2S**	**J-3S**	**J-4S**	**K-1**	**K-2**
Depth (feet):	8 - 12	4 - 8	4 - 8	4 - 8	0 - 4	0-0.3	0-0.3	0-0.3	14-16	8-10
Sample Date:	10/5/89	10/5/89	10/5/89	10/6/89	10/6/89	12/10/91	12/10/91	12/10/91	01/31/91	01/31/91
Parameter										
Acenaphthene	ND (2)	ND (1.9)	1.3 J	ND (2)	ND (2)	0.052 J	0.063 J	ND (1.2)	ND (0.39)	ND (0.4)
Acenaphthylene	ND (2)	ND (1.9)	0.43 J	0.27 J	0.42 J	NA	ND (0.36)	0.25 J	ND (0.39)	ND (0.4)
Anthracene	ND (2)	ND (1.9)	3.6	ND (2)	0.26 J	0.14 J	0.1 J	0.18 J	ND (0.39)	ND (0.4)
Benzo(a)anthracene	ND (2)	0.26 J	8.1	0.30 J	0.65 J	0.57	0.63	1.5	ND (0.39)	0.045 J
Benzo(a)pyrene	ND (2)	0.20 J	5.6	0.37 J	0.93 J	0.45	0.60	1.5	ND (0.39)	0.042 J
Benzo(b)fluoranthene	ND (2)	ND (1.9)	5.0	0.38 J	1.0 J	0.58 X	0.65 X	3.2 X	ND (0.39)	0.086 JX
Benzo(g,h,i)perylene	ND (2)	ND (1.9)	3.5	ND (2)	0.77 J	0.28 J	0.35 J	ND (1.2)	ND (0.39)	ND (0.4)
Benzo(k)fluoranthene	ND (2)	ND (1.9)	4.2	0.46 J	0.91 J	0.58 X	0.65 X	3.2 X	ND (0.39)	0.086 JX
bis(2-Ethylhexyl)phthalate	ND (2)	ND (1.9)	ND (2)	ND (2)	ND (2)	ND (0.38)	0.053 J	0.42 J	ND (0.39)	0.067 J
Chrysene	ND (2)	0.23 J	5.8	0.31 J	0.64 J	0.7	0.64	2.2	ND (0.39)	0.059 J
Dibenzo(a,h)anthracene	ND (2)	ND (1.9)	0.73 J	ND (2)	0.24 J	0.097 J	0.088 J	ND (1.2)	ND (0.39)	ND (0.4)
Di-n-butylphthalate	ND (2)	ND (1.9)	ND (2)	ND (2)	ND (2)	ND (0.38)	ND (0.36)	0.15 J	ND (0.39)	0.053 J
Fluoranthene	0.35 J	0.55 J	15	0.47 J	0.89 J	1	1.2	2.8	ND (0.39)	0.080 J
Fluorene	ND (2)	ND (1.9)	1.5 J	ND (2)	ND (2)	0.058 J	0.049 J	0.14 J	ND (0.39)	ND (0.4)
Ideno(1,2,3-cd)pyrene	ND (2)	ND (1.9)	3.0	ND (2)	0.66 J	0.32 J	0.29 J	ND (1.2)	ND (0.39)	ND (0.4)
Naphthalene	ND (2)	ND (1.9)	1.2 J	ND (2)	ND (2)	NA	ND (0.36)	0.15 J	ND (0.39)	ND (0.4)
N-nitrosodiphenylamine	ND (2)	ND (1.9)	0.25 J	ND (2)	0.63 J	ND (0.38)	ND (0.36)	ND (1.2)	ND (0.39)	ND (0.4)
Phenanthrene	0.48 J	0.48 J	17	0.29 J	0.43 J	0.77	0.63	1.7	ND (0.39)	0.053 J
Pyrene	0.27 J	0.42 J	13	0.70 J	0.94 J	0.81	1.0	2.4	ND (0.39)	0.097 J
Total Phenols	NA	NA	NA	NA	NA	ND (0.12)	ND (0.11)	0.29	ND (0.12)	ND (0.12)

NOTES:

1. Concentrations are reported in dry weight parts per million (ppm). Only detected analytes are shown.
2. ND - Not detected with detection limits in parentheses.
3. NA - Parameter not analyzed.
4. J - The analyte was detected and is considered an estimated value.
5. X - Indicates coeluting indistinguishable isomers.
6. Data obtained from: *MCP Phase I and Interim Phase II Report for Former Housatonic River Oxbow Areas A, B, C, J and K, Volume I of II;* BBL; February 1996.

TABLE A-4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

SUMMARY OF PCDDs and PCDFs DETECTIONS IN SUBSURFACE SOIL

Location:	J-2S	J-4S	OX-J-SS1	OX-J-SS2	OX-J-SS3	OX-J-SS4	OX-J-SS5	OX-J-SS6	K-1	K-2
Depth (feet):	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3
Sample Date:	12/10/91	12/10/91	09/16/94	09/15/94	09/15/94	09/16/94	09/15/94	09/16/94	01/31/91	01/31/91
Parameter										
Furans										
1,2,7,8-TCDF	NA	NA	0.0000026	0.0000078	0.000015	0.000019	0.0000032	0.0000083	NA	NA
2,3,7,8-TCDF	ND(0.000018) X	0.00023	0.0000068	0.000016	0.000037	0.000035	0.0000057	0.000013	ND(0.00024)	ND(0.000032)
TCDFs (total)	ND(0.000018) X	0.017	ND(0.000059) X	0.00016 X	0.00032 X	ND(0.00032) X	0.000065 X	ND(0.00011) X	ND(0.000040)	ND(0.000067)
1,2,3,7,8-PeCDF	NA	NA	0.0000023 J	0.0000059	0.0000099	0.000018	0.0000020 A	0.0000035	NA	NA
2,3,4,7,8-PeCDF	NA	NA	0.0000098	0.000016	0.0000076	0.000039	0.0000067	0.0000069	NA	NA
PeCDFs (total)	0.00015	0.057	ND(0.00013) X	0.00026 X	0.00046 X	ND(0.00045) X	0.000097 X	ND(0.000094) X	ND(0.000049)	ND(0.000043)
1,2,3,4,7,8-HxCDF	NA	NA	0.0000046	0.000015	0.000018	0.000036	0.0000043	0.0000048	NA	NA
1,2,3,6,7,8-HxCDF	NA	NA	0.0000066	0.000026 X	0.000030 X	ND(0.000032) X	0.0000060 X	ND(0.0000065) X	NA	NA
1,2,3,7,8,9-HxCDF	NA	NA	0.0000011 J	0.0000029	0.0000036	0.0000062	0.00000099 A	0.0000011 J	NA	NA
2,3,4,6,7,8-HxCDF	NA	NA	0.0000094	0.000016	0.000035	0.000031	0.0000072 X	ND(0.0000077) X	NA	NA
HxCDFs (total)	0.00017	0.023	ND(0.00013) X	0.00035 X	0.00052 X	ND(0.00050) X	0.000092 X	ND(0.000092) X	ND(0.000077)	ND(0.000079)
1,2,3,4,6,7,8-HpCDF	NA	NA	ND(0.000026) X	0.00016 X	0.00011 X	ND(0.00015) X	0.000024 X	ND(0.000022) X	NA	NA
1,2,3,4,7,8,9-HpCDF	NA	NA	0.0000021 J	0.0000060	0.0000064	0.000013	0.0000021 A	0.0000019 J	NA	NA
HpCDFs (total)	ND(0.000068) X	0.0026	ND(0.000061) X	0.00030 X	0.00023 X	ND(0.00042) X	0.000052 X	ND(0.000046) X	ND(0.00011)	ND(0.00010)
OCDF	0.000045	0.00031	0.000033	0.00010	0.000089	0.00029	0.000026	0.000022	ND(0.00018)	ND(0.00018)
Total Furans	0.00037	0.10	0.000033	0.0012	0.0016	0.00029	0.00033	0.000022	ND(0.00024)	ND(0.00018)
Dioxins										
2,3,7,8-TCDD	ND(0.000019)	ND(0.000028)	ND(0.00000046)	ND(0.00000046)	ND(0.00000032)	0.00000055	ND(0.00000036)	0.00000047	ND(0.000048)	ND(0.000071)
TCDDs (total)	ND(0.000035)	ND(0.000027) X	0.00000082	0.0000035	0.0000046	0.0000099	0.00000069	0.0000038	ND(0.000048)	ND(0.000071)
1,2,3,7,8-PeCDD	NA	NA	ND(0.00000083) I	ND(0.0000021) I	ND(0.0000020) I	ND(0.0000030) X	ND(0.00000049)	0.00000071	NA	NA
PeCDDs (total)	ND(0.000011)	0.0016	ND(0.0000012) I	0.000014	0.0000084	0.000011	ND(0.0000010)	0.0000019	ND(0.000072)	ND(0.000070)
1,2,3,4,7,8-HxCDD	NA	NA	0.0000011 J	0.0000019 A	0.0000020 A	0.0000043	0.00000068 A	0.00000078 J	NA	NA
1,2,3,6,7,8-HxCDD	NA	NA	0.0000029	0.0000052	0.0000074	0.000023	0.0000019 A	0.0000022 J	NA	NA
1,2,3,7,8,9-HxCDD	NA	NA	0.0000019 J	0.0000031	0.0000038	0.0000068	0.0000011 A	0.0000014 J	NA	NA
HxCDDs (total)	ND(0.000014)	0.0085	0.000024	0.000047	0.000057	0.00013	0.000015	0.000020	ND(0.00011)	ND(0.00011)
1,2,3,4,6,7,8-HpCDD	NA	NA	0.000050	0.000091	0.00011	0.00068	0.000034	0.000037	NA	NA
HpCDDs (total)	0.000061	0.0067	0.00010	0.00017	0.00025	0.0021	0.000074	0.00010	ND(0.00012)	ND(0.00013)
OCDD	0.00021	0.0020	0.00039	0.00086	0.00084	0.0065	0.00026	0.00027	ND(0.00024)	ND(0.00022)
Total Dioxins	0.00027	0.019	0.00051	0.0011	0.0012	0.0088	0.00035	0.00040	ND(0.00024)	ND(0.00022)
Total TEQs (WHO TEFs)	NC	NC	0.0000098	0.000021	0.000021	0.000047	0.0000073	0.0000084	NC	NC

TABLE A-4

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

SUMMARY OF PCDDs and PCDFs DETECTIONS IN SUBSURFACE SOIL

NOTES:

1. Concentrations are reported in dry weight parts per million (ppm). Only detected analytes are shown.
2. NA - Not Analyzed - Laboratory did not report results for this analyte.
3. NC - Not Calculated
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. Total dioxins/furans determined as the sum of the total homolog concentrations; non-detect values considered as zero.
6. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. In Environmental Health Perspectives 106(2), December 1998.
7. J series samples analyzed by ChemWest Analytical Laboratories, Inc.
8. OX series samples analyzed by Alta Analytical Laboratory, Inc., El Dorado Hills, CA.
9. Data obtained from: MCP Phase I and Interim Phase II Report for Former Housatonic River, Oxbow Areas A, B, C, J and K, Volume I of II, February 1996.
10. Data Qualifiers:
    J - The compound or analyte was positively identified, but the associated numerical value is an estimated concentration.
    X - Estimated maximum possible concentration.
    I - Indicates the presence of chemical interferences.
    A - The amount detected is below the Method Quantitation Limit.

TABLE A-5

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

SUMMARY OF INORGANIC DETECTIONS IN SOIL

	Oxbow J									Oxbow K	
Location:	**J-2S**	**J-3S**	**J-4S**	**OX-J-SS1**	**OX-J-SS2**	**OX-J-SS3**	**OX-J-SS4**	**OX-J-SS5**	**OX-J-SS6**	**K-1**	**K-2**
Depth (feet):	0 - 0.3	0 - 0.3	0 - 0.3	0 - 0.3	0 - 0.3	0 - 0.3	0 - 0.3	0 - 0.3	0 - 0.3	14 - 16	8 - 10
Sample Date:	12/10/91	12/10/91	12/10/91	09/16/94	09/16/94	09/16/94	09/16/94	09/16/94	09/16/94	01/31/91	01/31/91
Parameter											
Aluminum	5,670*	5,500	10,100*	NA	NA	NA	NA	NA	NA	4,200	2,900
Antimony	10.5 JN	ND (7.7)	11.1 JN	NA	NA	NA	NA	NA	NA	ND (1.2)	ND (1.2)
Arsenic	21.9 A	5.5 A	9.5	NA	NA	NA	NA	NA	NA	2	ND (1.2)
Barium	41.5 J	28.0 J	66.8	NA	NA	NA	NA	NA	NA	ND (24)	ND (24)
Beryllium	ND (0.24)	ND (0.21)	0.30 J	NA	NA	NA	NA	NA	NA	ND 0.59)	ND (0.6)
Calcium	9,570 E	8,240 E	18,100 E	NA	NA	NA	NA	NA	NA	17,000	ND (600)
Chromium	41	7.7	17.8	NA	NA	NA	NA	NA	NA	3.2	4.2
Cobalt	9.4 J	5.6 J	14.8 J	NA	NA	NA	NA	NA	NA	ND (5.9)	ND (6.0)
Copper	95.6 N	12.0 N	58.8 N	NA	NA	NA	NA	NA	NA	11	ND (3.0)
Iron	68,700*	14,400*	44,200*	NA	NA	NA	NA	NA	NA	12,000	7,400
Lead	121*	13.5*	195*	NA	NA	NA	NA	NA	NA	ND (12)	ND (12)
Magnesium	7,150	4,590	11,500	NA	NA	NA	NA	NA	NA	9,800	1,300
Manganese	854 N*	214 N*	987 N*	NA	NA	NA	NA	NA	NA	300	56
Mercury	0.60	ND (0.11)	0.21	NA	NA	NA	NA	NA	NA	ND (0.12)	ND (0.12)
Nickel	43.8	9.9	27.9	NA	NA	NA	NA	NA	NA	9.3	ND (4.8)
Potassium	393 J	969 J	1,120 J	NA	NA	NA	NA	NA	NA	ND (590)	ND (600)
Sodium	120 J	166 J	174 J	NA	NA	NA	NA	NA	NA	ND (590)	ND (600)
Vanadium	14.1	11.6	27.3	NA	NA	NA	NA	NA	NA	5.9	ND (6.0)
Zinc	164	33	266	NA	NA	NA	NA	NA	NA	38	19
Sulfide	65	ND (11)	ND (14.9)	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide	120	ND (0.55)	ND (0.75)	ND (0.6)	ND (0.59)	ND (0.62)	ND (0.63)	ND (0.58)	ND (0.56)	ND (0.59)	ND (0.6)
TOC	NA	NA	NA	30,900	12,900	22,200	32,300	11,600	1,600 [133,300	NA	NA

TABLE A-5

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

SUMMARY OF INORGANIC DETECTIONS IN SOIL

NOTES:

1. Concentrations are reported in dry weight parts per million (ppm). Only detected analytes are shown.
2. ND - Not detected with detection limits in parentheses.
3. NA - Parameter not analyzed.
4. J - Indicates the reported value is less than the contract required detection limit (CRDL), but greater than the instrument detection limit (IDL).
5. E - The reported value is estimated because of a reported interference.
6. * - Indicates a non-homogeneous sample matrix in regard to the flagged analyte.
7. N - Indicates the sample matrix spike analysis was outside control limits.
8. A - Indicates spike recoveries are outside the range of 85% to 115%. Reported results are produced from a single-point method-of-standard-addition calculation.
9. Data obtained from: *MCP Phase I and Interim Phase II Report for Former Housatonic River Oxbow Areas A, B, C, J and K, Volume I of II;* BBL; February 1996.

TABLE A-6

GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

ADDENDUM TO PRE-DESIGN INVESTIGATION WORK PLAN FOR
FORMER OXBOW AREAS J AND K REMOVAL ACTION

SUMMARY OF PESTICIDE AND HERBICIDE DETECTIONS IN SOIL

Location:	J-2S	J-3S	J-4S	K-1	K-2
Depth (feet):	0 - 0.3	0 - 0.3	0 - 0.3	14 - 16	8 - 10
Sample Date:	12/10/91	12/10/91	12/10/91	1/31/91	1/31/91
Parameter					
Organochloride Pesticides:					
4, 4'-DDT	ND (0.021)	0.0069	ND (0.0052)	ND (0.0041)	ND (0.0041)
Organophosphorus Pesticides:					
None Detected	--	--	--	--	--
Herbicides:					
2, 4-D	ND (0.120)	ND (0.11)	ND (0.15)	0.22	ND (0.120)
2, 4, 5-TP (silvex)	ND (0.029)	ND (0.027)	ND (0.037)	0.051	ND (0.03)
2, 4, 5-T	ND (0.029)	ND (0.027)	ND (0.037)	0.052	ND (0.03)

NOTES:

1. Concentrations are reported in dry weight parts per million (ppm). Only detected analytes are shown.
2. ND - Not detected with detection limits in parentheses.
3. -- Indicates that all analytes for a parameter group (e.g., Organophosphorus Pesticides) are not detected.
4. Data obtained from: *MCP Phase I and Interim Phase II Report for Former Housatonic River Oxbow Areas A, B, C, J and K, Volume I of II;* BBL; February 1996.