REPORT

01-0606
SDMS 44948

Pre-Design Investigation Report for the Former Oxbow Areas J and K Removal Action

Volume I of III

General Electric Company
Pittsfield, Massachusetts

July 2003

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BLASLAND, BOUCK & LEE, INC.
engineers & scientists

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

Transmitted via Overnight Delivery

July 11, 2003

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)
Pre-Design Investigation Report

Dear Mr. Olson:

In accordance with the GE's approved *Pre-Design Investigation Work Plan for the Former Oxbow Areas J and K* (June 2002) and January 2003 Addendum to the Pre-Design Investigation Work Plan, enclosed is GE's *Pre-Design Investigation Report for the Former Oxbow Areas J and K*.

Please call John Novotny or me if you have any questions about this report.

Very truly yours,

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

Enclosure
V:\GE_Pittsfield_CD_Former_Oxbow_Areas_J_and_K\Reports and Presentations\PDI Report\4943219GCvrLtr.doc

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Richard Scapin, Chair, Pittsfield City Council
Pittsfield Department of Health
Michael Carroll, GE*
Rod McLaren, GE
Richard Gates, GE
James Nuss, BBL
James Bieke, 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
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1. Introduction

1.1 General

On October 27, 2000, a Consent Decree (CD) executed in 1999 by the General Electric Company (GE), the United States Environmental Protection Agency (EPA), the Massachusetts Department of Environmental Protection (MDEP), and several other government agencies was entered by the United States District Court for the District of Massachusetts. The CD requires (among other things) the performance of Removal Actions to address polychlorinated biphenyls (PCBs) and other hazardous constituents present in soils, sediment, and groundwater in several Removal Action Areas (RAAs) located in or near Pittsfield, Massachusetts. These RAAs are part of the GE-Pittsfield/Housatonic River Site (the Site). For each Removal Action, the CD and accompanying *Statement of Work for Removal Actions Outside the River* (SOW) (Appendix E to the CD) establish Performance Standards that must be achieved, as well as specific work plans and other documents that must be prepared to support the response actions for each RAA. These work plans/documents include a Pre-Design Investigation Work Plan, a Pre-Design Investigation Report, a Conceptual Removal Design/Removal Action (RD/RA) Work Plan (for some Removal Actions), and a Final RD/RA Work Plan.

This *Pre-Design Investigation Report for the Former Oxbow Areas J and K Removal Action* (Pre-Design Report) summarizes the pre-design soil investigations performed by GE within the areas designated as Former Oxbow Areas J and K, as well as related activities conducted by EPA. This report also evaluates the sufficiency of the data obtained from those investigations, in combination with data available from prior soil investigations, to support the development of a Conceptual RD/RA Work Plan for this Removal Action.

The pre-design investigation activities for Former Oxbow Areas J and K were performed in accordance with a document entitled *Pre-Design Investigation Work Plan for the Former Oxbow Areas J and K Removal Action* (PDI Work Plan) dated June 2002 and a January 2003 Addendum to the PDI Work Plan. These documents (collectively, the PDI Work Plans) were conditionally approved by EPA in letters dated November 19, 2002 and January 13, 2003, respectively. The field activities described in the PDI Work Plans were completed by GE between February 10 and March 10, 2003, and resulted in the collection of the majority of the pre-design soil data that will be used for future RD/RA evaluations for these areas. In addition, during the performance of the pre-design investigation sampling, split samples were collected and analyzed by EPA at select locations.

During preparation of the PDI Work Plans, an assessment of the existing soil data was performed. From that assessment, it was determined that certain existing data could be used to satisfy pre-design investigation requirements for these areas and/or to support future RD/RA evaluations. These usable historical data have been compiled and included in this Pre-Design Report.

In total, the soil data available to support RD/RA evaluations include results from approximately 970 analyses of soil samples collected from approximately 246 locations. Depending on the specific sample location and depth, these sampling data include results for PCBs and/or other constituents listed in Appendix IX of 40 CFR Part 264, plus three additional constituents -- benzidine, 2-chloroethylvinyl ether, and 1,2-diphenylhydrazine (Appendix IX+3).

1.2 Format of Document

This report summarizes the pre-design investigation activities performed by GE and provides an assessment regarding: (1) the sufficiency of the available soil data to support the design and evaluation of response actions to achieve the soil-related Performance Standards for Former Oxbow Areas J and K; and (2) whether additional information is needed prior to the preparation of the Conceptual RD/RA Work Plan. For the most part, the results of the recent pre-design activities, including the information obtained from other investigations at this RAA, are sufficient to characterize the soils within Former Oxbow Areas J and K and thus support future RD/RA activities. However, some remaining pre-design activities are needed to support future RD/RA evaluations and preparation of the Conceptual RD/RA Work Plan. A description of these remaining activities and a proposed schedule for future activities related to the RD/RA are also included in this report.

The remainder of this section provides a brief description of the Former Oxbow Areas J and K RAA. Section 2 describes the pre-design investigations conducted by GE (and EPA to a lesser extent), provides an overview of the available soil data from this area, and presents an assessment of the completeness of the pre-design investigations (relative to the PDI Work Plans and CD/SOW requirements). Section 3 summarizes and presents a proposed schedule for the completion of future activities related to RD/RA evaluations for this RAA.

Note that the pre-design activities summarized in this report pertain to soils only. Activities concerning groundwater at the Former Oxbow Areas J and K RAA are currently being addressed as part of the Groundwater Management Area 2 (GMA 2) monitoring program.

1.3 Description of Former Oxbow Areas J and K

Former Oxbow Areas J and K are located adjacent to the Housatonic River approximately 2,500 feet upstream of the Newell Street Bridge (Figure 1). Certain portions of this RAA originally consisted of land associated with oxbows or low-lying areas associated with the Housatonic River. Rechannelization and straightening of the Housatonic River in the early 1940s by the City of Pittsfield and United States Army Corps of Engineers separated these oxbows and low-lying areas from the active course of the river. The former oxbows and low-lying areas were subsequently filled with various materials from a variety of sources, resulting in its current surface elevations and topography. Former Oxbow Area J encompasses an area of approximately 6 acres generally located north of the Housatonic River, south of East Street, and between Fasce Street and Commercial Street. This area is somewhat larger than the area originally designated as Former Oxbow Area J in the SOW, due to a modification of the CD and SOW in February 2002 which expanded the RAA to include an adjacent property located to the east. Former Oxbow Area K encompasses an area of approximately 2.5 acres south of the Housatonic River across from the eastern portion of Former Oxbow Area J and generally to the northeast of Ventura Avenue. Figure 2 presents a larger site plan of Former Oxbow Areas J and K.

Additional information regarding each oxbow area is provided below.

1.3.1 Former Oxbow Area J

As noted above, the boundaries of Former Oxbow Area J depicted originally in the CD and SOW were expanded in February 2002 through a modification of the CD and SOW. That modification resulted in the inclusion of an additional property in this RAA (Parcel K10-11-5), based on the detection of PCBs and fill material in soil at that property as part of an investigation performed by others and unrelated to the CD and SOW (Scalise Associates, 2001). The current boundaries and configuration of Former Oxbow Area J are shown on Figure 2. This former oxbow area includes six commercial/industrial properties, as well as several utility-related easements and City-owned easements/rights-of-way. As shown on Figure 2, there are six properties that fall within Former Oxbow Area J, all of which are owned by parties other than GE:

- Parcel K10-11-1;
- Parcel K10-11-2;
- Parcel K10-11-3;
- Parcel K10-11-5;
- Parcel K10-12-1; and

- Parcel K10-13-1.

Several of these properties abut the Housatonic River (i.e., Parcels K10-11-2, K10-11-3, K10-11-5, and K10-12-1). Pursuant to the CD and SOW, both the riverbank and non-riverbank portions of these properties are part of this RAA.

Although primarily industrial/commercial in nature, certain small and discontinuous areas within Former Oxbow Area J are designated in the CD and SOW as recreational areas, and therefore are subject to different Performance Standards. In this Pre-Design Report, these recreational areas are shown as individual areas as depicted in the CD and SOW. However, as indicated in PDI Work Plan, GE anticipates that these areas will need to be discussed further with EPA, especially with respect to the selection of appropriate averaging area(s) for future RD/RA evaluations.

As shown on Figure 2, an undeveloped section of Longview Terrace and a right-of-way (ROW) for Zeno Street are located in the western portion of the Former Oxbow Area J. As required by EPA's November 19, 2002 conditional approval letter for the PDI Work Plan, pre-design sample locations in this area were configured so that the undeveloped section of Longview Terrace can be evaluated as a separate area during future RD/RA evaluations. Also, as required in that conditional approval letter, the Zeno Street ROW was divided (along its centerline) and will be combined with adjacent Parcels K10-11-1, K10-12-1, and K10-13-1 for future RD/RA evaluations.

1.3.2 Former Oxbow Area K

Former Oxbow Area K is comprised of approximately 2 acres of recreational properties/areas and approximately 0.5 acres of residential properties. Portions or all of the following five parcels, all of which are owned by parties other than GE, fall within Former Oxbow Area K:

- Parcel K10-10-3;
- Parcel K10-10-4;
- Parcel K10-10-5;
- Parcel K10-10-6; and
- Parcel K10-10-33.

In accordance with the CD and SOW, Parcels K10-10-3, K10-10-4, and K10-10-33 are considered recreational properties and Parcels K-10-10-5 and K-10-10-6 are considered residential properties. Each of these properties is privately owned by parties other than GE. The two residential parcels (Parcels K10-10-6 and K10-10-5) are under common ownership and are treated by the owner as a single residential property. The three non-residential properties within Former Oxbow Area K are adjacent to the Housatonic River (Parcels K10-10-3, K10-10-4, and K10-10-33). For these properties, both riverbank and non-riverbank portions are included in this RAA.

A ROW for Parkside Avenue is located north of Parcels K10-10-5 and K10-10-33 and south of Parcels K10-10-3 and K10-10-4 (Figure 2). As required by EPA's November 19, 2002 conditional approval letter for the PDI Work Plan, this ROW will be divided (along its centerline) and will be combined with the adjacent parcels for the purpose of performing subsequent RD/RA evaluations. As also required by that conditional approval letter, the 50-foot residential PCB grid spacing used for Parcel K10-10-5 was extended north into the adjacent half of the Parkside Avenue ROW.

2. Summary of Pre-Design Investigations

2.1 General

As discussed in Section 1, the data available to support future RD/RA soil evaluations within Former Oxbow Areas J and K will be derived from a number of different sources and sampling activities, including historical data, recent pre-design activities performed by GE, and EPA split sampling results. The majority of the data were obtained by GE as part of the pre-design investigations conducted between February 10 and March 10, 2003 in accordance with the PDI Work Plans. These investigations were performed on behalf of GE by Blasland, Bouck & Lee (BBL), while analytical services were provided by Severn Trent Laboratories, Inc.

During the performance of these activities, Weston Solutions, Inc. (Weston) performed oversight activities on behalf of EPA, including collection and analysis of split samples at certain locations identified by EPA. In total, the pre-design soil sampling effort (including the combined efforts of GE and EPA) involved the collection and analysis of approximately 440 soil samples from approximately 220 locations. The locations of the samples collected by GE and EPA during the pre-design investigation, as well as the locations of the usable historical samples, are identified on Figure 3 (for PCBs) and Figures 4 through 8 (for samples analyzed for other Appendix IX+3 constituents).

2.2 Summary of Pre-Design Sampling and Analysis Activities

With certain limited exceptions (discussed in Section 2.3), the pre-design sample locations, frequencies, depths, and analytes were consistent with the activities proposed in the PDI Work Plans. All field and analytical activities conducted by GE were performed in accordance with GE's approved *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP). Soil boring logs are presented in Appendix A to this report.

Soil samples collected by GE for PCB analysis during the pre-design investigations were analyzed for Aroclor-specific PCBs by EPA Method 8082. The PCB results were reported on a dry-weight basis with a detection limit of approximately 0.05 ppm for all Aroclors. Select GE soil samples were also analyzed for Appendix IX+3 constituents (excluding pesticides and herbicides), utilizing methods and reporting limits consistent with those presented in the FSP/QAPP and the PDI Work Plans. In addition, split samples were provided upon request to representatives from Weston.

At residential Parcels K10-10-5 and K10-10-6, an iterative approach was used to analyze PCBs in soil, as specified in the approved PDI Work Plans. As provided in those PDI Work Plans, samples were analyzed in successively deeper increments until PCBs (total PCBs in ppm) were non-detect, at very low levels, or until a maximum sampling depth of 15 feet. The following table summarizes the existing PCB samples analyzed at the residential parcels:

	Sample Depth (feet, bgs)							
Boring Location	**0-1**	**1-3**	**3-5**	**5-7**	**7-9**	**9-11**	**11-13**	**13-15**
RAA15-H11	X	X	X	--	--	--	--	--
RAA15-H13	X	X	X	--	--	--	--	--
RAA15-J9	X	X	X	--	--	--	--	--
RAA15-J11	X	X	X	X	--	--	--	--
RAA15-J15	X	X	X	X	X	--	--	--
RAA15-L9	X	X	X	--	--	--	--	--
RAA15-L11	X	X	X	--	--	--	--	--
RAA15-L13	X	X	X	X	X	X	X	X
RAA15-L15	X	X	X	X	X	X	X	X
RAA15-N11	X	X	X	--	--	--	--	--
RAA15-N13	X	X	X	--	--	--	--	--
RAA15-N15	X	X	X	X	X	--	--	--
RAA15-N17	X	X	X	X	X	--	--	--
RAA15-P13	X	X	X	X	--	--	--	--
RAA15-P15	X	X	X	--	--	--	--	--

2.3 Modifications to Pre-Design Sampling and Analysis Activities

During the performance of the pre-design investigations, the sampling and analysis program outlined in the PDI Work Plans as conditionally approved by EPA, were implemented based on field conditions and observations, sampling results, and/or communications with EPA. A summary of changes from the PDI Work Plans as conditionally approved by EPA is presented below. Each of these modifications was made with concurrence of EPA field representatives:

- 30 soil boring locations were relocated slightly (i.e., distances ranging from 3 to 12 feet) from the locations shown in the PDI Work Plans due to access restrictions at the proposed location (e.g., presence

of subsurface utilities or steep slopes at the river banks) (Figure 3). The possible movement of sample locations from their proposed locations was anticipated in the PDI Work Plans, and none of the adjustments significantly affect the overall characterization of soils within the RAA.

- At proposed soil borings RAA15-A24, RAA15-C20, and RAA15-E11, several attempts were made to advance the soil boring beyond subsurface obstructions encountered at depths of 1 foot (RAA15-A24), 3 feet (RAA15-E11), and 8 feet (RAA15-C20). To complete these borings to 15 feet bgs, the drilling locations were then offset as follows: RAA15-A24 was moved 15 feet northwest, RAA15-C20 was moved 3 feet north, and RAA15-E11 was moved 20 feet south of the locations proposed in the PDI Work Plans.

- Attempts to drill beyond subsurface obstructions (e.g., concrete/fill or cobbles) encountered at soil borings RAA15-A11, RAA15-C6, and RAA15-C11 were consistently met with drilling refusal, even when attempts were made to drill at different nearby locations. Because of the continued refusal that was encountered in these areas, these borings were terminated at depths of 3, 10, and 10.2 feet bgs, respectively.

None of the modifications identified above significantly affects the overall characterization of the soils within Former Oxbow Areas J and K. The offset described above for the RAA15-E11 boring resulted in its being located less than 10 feet outside the utility band for the sewer line at the southern part of Former Oxbow Area J. Thus, this boring is in close enough proximity to provide data for this section of the utility band. Although refusal was met at 3 feet bgs for the RAA15-A11 boring located in the utility band for the water line along the north side of the Former Oxbow J, there is an abundance of deeper subsurface sample data along the length of this utility within the site. In addition, while the RAA15-C11 boring met with refusal at 10.2 feet bgs, this depth is expected to be below the depth of the natural gas line in this area.

Further, the number of samples that were not collected due to drilling refusal at the Former Oxbow Areas J and K RAA is minimal, and additional sample locations were added such that the amount of soil data available to characterize existing soils does not vary to any great extent. In addition, split sample data collected by EPA, further expands the available data set from which RD/RA evaluations will be conducted.

2.4 Summary of Available Soil Data

For Former Oxbow Areas J and K, the soil data available to support future RD/RA evaluations and the preparation of a Conceptual RD/RA Work Plan include the results of GE's recent pre-design investigations, as well as data available from prior GE investigations and data collected by EPA. The following table summarizes the available data:

Analytical Parameter	GE Pre-Design Soil Analyses	EPA Split Soil Analyses	Historical Soil Analyses	Total Soil Analyses
PCBs	428	2	39	469
VOCs	114	1	9	124
SVOCs	114	2	9	125
Dioxins/Furans	115	0	8	123
Inorganics	114	2	11	127

Note: Table does not include QA/QC sample analyses.

The locations from which these soil samples were collected are shown, by relevant depth increment, on Figures 3 through 8. Specifically, Figure 3 shows the locations of the samples collected for PCB analysis, while Figures 4 through 8 show the locations of the samples collected for Appendix IX+3 analyses from the 0- to 1-foot, 1- to 3-foot, 3- to 6-foot, 6- to 10-foot, and 10- to 15-foot depth increments, respectively.

The analytical results for the pre-design soil samples collected by GE are provided in Tables 1 and 2 for PCBs and other Appendix IX+3 constituents, respectively. Historical soil data are summarized in Tables 3 and 4 for PCBs and other Appendix IX+3 constituents, respectively. Tables 5 and 6 provide the results for PCBs and other Appendix IX constituents, respectively, for the samples analyzed by EPA. These results include the data from samples that were split with GE from pre-design investigation borings within this RAA. Note that the data tables that present Appendix IX+3 data only summarize the results for constituents that were detected in one or more samples during the respective investigations. Complete listings of the Appendix IX+3 laboratory results for GE's pre-design samples, historical samples, and EPA samples are included in Appendix B, as Tables B-1, B-2, and B-3, respectively.

2.5 Data Quality Assessment

For the pre-design activities performed by GE, quality control samples (i.e., matrix spike/matrix spike duplicates, field duplicates, and field blanks) were collected in accordance with the FSP/QAPP. The FSP/QAPP

also presents the quality control criteria and corrective action procedures to be followed for each analytical and field-generated quality control sample. Overall project quality assurance was provided by following the procedures for sample collection and analysis, corrective action, and data reporting and validation specified in the FSP/QAPP.

All of the GE pre-design soil analytical data have undergone data review validation in accordance with Section 7.5 of the FSP/QAPP. The results of this assessment for the most recent pre-design samples are summarized in a data validation report presented in Appendix C. As indicated in that report, 100% of the pre-design data collected by GE are considered to be usable, which is greater than the minimum required usability of 90% specified in the FSP/QAPP. Thus, the overall pre-design soil data set meets the data quality objectives set forth in the PDI Work Plans and the FSP/QAPP.

As indicated in the PDI Work Plans, the historical soil data were previously reviewed for overall quality, based on the accompanying laboratory documentation (where available). That data review resulted in the designation of some data as usable both to satisfy pre-design investigation requirements and for future RD/RA evaluations, other data as supplemental data for use in RD/RA evaluations, and other data as rejected or eliminated. The data presented in this report consist of the data in the first two of these categories. Based on the reviews in the PDI Work Plans, these data were found to be of acceptable quality for use in satisfying RD/RA requirements for the response actions for Former Oxbow Areas J and K (except for certain "supplemental" Appendix IX+3 data that the PDI Work Plans indicated would be re-evaluated in the Conceptual RD/RA Work Plan after the PCB-related response actions have been defined).

It is GE's understanding that the analytical results for the soil samples collected and analyzed by EPA were validated by EPA prior to receipt by GE. Therefore, these data are considered acceptable for use in future RD/RA evaluations pertaining to RD/RA activities.

2.6 Assessment of Pre-Design Data Needs

In accordance with Section 3.2 of the SOW, the Pre-Design Report is required to consider the sufficiency of the available data in terms of supporting subsequent RD/RA activities, and whether any additional or remaining data are needed. If additional data are needed, the Pre-Design Report is to include a proposal for further studies/investigations, as well as a schedule for such activities and the submission of any supplemental pre-design reports.

Based on review of the available data, GE has not identified any data gaps in completion of the pre-design investigations, as proposed in the PDI Work Plans and approved by EPA. Although minor modifications to the scope of sampling specified in the PDI Work Plans were implemented during the field activities, none of the modifications (described in Section 2.3) affects the overall characterization of soils within this RAA that was gained from the remaining sampling data.

GE has further reviewed the available soil characterization data to determine whether they will be sufficient to support the necessary RD/RA evaluations for this RAA, including the need for, type of, and scope of remediation actions to achieve the applicable Performance Standards both for PCBs and for other Appendix IX+3 constituents. Based on this review, it appears that there may or may not be a need for the collection of supplemental sampling data to support such evaluations for certain constituents and certain properties, depending on a number of factors that cannot be determined at this time. These factors include:

- Determination of the appropriate recreational-use averaging areas within Former Oxbow Area J (as discussed in Section 1.3.1 above);

- Information from the owners of the non-residential properties within this RAA as to whether they will agree to Grants of Environmental Restrictions and Easements (EREs) on their properties if the conditions for EREs (i.e., not achieving residential standards) are met (such information will determine whether GE will present a design for an ERE remediation or a Conditional Solutions at a given property, which in turn affects the appropriate depth increments for evaluation); and

- Further evaluation of the PCB and non-PCB data using the procedures described in the SOW to assess the need for and scope of remediation at each property or other averaging area to achieve the applicable Performance Standards.

In these circumstances, GE proposes to conduct further evaluations of the need for and type of supplemental sampling that may be required to perform the RD/RA evaluations following determination of the appropriate recreational vs. commercial/industrial averaging areas in Former Oxbow Area J, receipt of information from the non-residential property owners as to whether they will agree to EREs, and the conduct of at least preliminary assessments of the need for and scope of remediation actions to achieve the Performance Standards. If these evaluations indicate the need for supplemental data to support a potential response action, GE will propose the scope of such supplemental sampling to EPA for review and approval. If the evaluations indicate that no further

sampling data are necessary to complete the RD/RA evaluations, GE will so advise EPA and proceed directly to preparation of the Conceptual RD/RA Work Plan. The proposed schedule for these activities is described in Section 3.3 below.

3. Future Activities and Schedule

3.1 General

As discussed in Section 2.6 above, the available soil characterization data are sufficient to support the necessary evaluations for this RAA. However, presented in Section 3.2 below are remaining pre-design activities to be performed. Finally, Section 3.3 presents the proposed schedule for these future activities and summarizes the anticipated contents of the Conceptual RD/RA Work Plan.

3.2 Remaining Pre-Design Activities

As discussed in Section 2.6, it is possible that supplemental soil sampling may be needed in portions of this RAA to support the RD/RA evaluations to be presented in the Conceptual RD/RA Work Plan, depending on the factors listed in Section 2.6. If GE determines that such supplemental sampling is needed, GE will provide a proposal to EPA for such sampling on the schedule identified in Section 3.3.

In addition, portions of the available site mapping for Former Oxbow Areas J and K are not sufficient to support future RD/RA evaluations. The current mapping, as depicted on Figures 2 through 8 in this report, was primarily generated from aerial photogrammetry mapping conducted in 1990. Although this mapping is useful for identifying prominent features within this RAA (e.g., buildings, roadways, river banks, etc.) and the locations of the soil sampling locations, additional detailed site mapping is required to support RD/RA activities. As a result, GE will develop a detailed site map for Former Oxbow Areas J and K that will include the following information:

- Existing buildings, structures;
- Paved, gravel and unpaved areas;
- Surface elevations and topography;
- 100-year floodplain demarcation;
- Property boundaries and easements (e.g., utilities and ROWs);
- Selected utilities (e.g., manholes, telephone poles, etc.);
- Existing soil sampling locations; and
- Other prominent site features.

3.3 Schedule for Future Activities

In accordance with a prior agreement between GE and EPA under Paragraph 56.b of the CD (as documented in a letter from GE to EPA dated February 15, 2002), GE is required to provide a notice to EPA and MDEP following submission of the Pre-Design Report as to whether the owners of the non-GE-owned non-residential properties within this RAA would agree to execute and record EREs on their properties if the conditions for EREs (i.e., not achieving residential standards) are met. This notice is due one month after submission of the Pre-Design Report or at such other time as is proposed by GE and approved by EPA at the time of submission of that report. GE is planning to submit this notice within one month from the date of submission of this Pre-Design Report, unless GE cannot obtain a final decision on this issue from the relevant landowners within that time, in which case GE will so advise EPA within that time and will propose a schedule for providing the missing information.

In addition, as discussed in Section 2.6, GE will conduct an evaluation of the need for supplemental soil sampling after information is received on whether the non-residential property owners will agree to EREs, after a determination is made in consultation with EPA about the appropriate recreational vs. commercial/industrial averaging areas in Former Oxbow Area J, and after GE has performed at least preliminary RD/RA evaluations to assess the need for and scope of remediation to achieve the applicable Performance Standards for PCBs and other Appendix IX+3 constituents at each relevant property or other averaging area at this RAA. GE proposes to provide the results of this evaluation to EPA within four months from the date of EPA approval of this Pre-Design Report. If GE concludes that supplemental soil sampling is needed, GE will also include in that submittal a proposal for such supplemental sampling and a proposed schedule for completing that supplemental sampling and submitting a Conceptual RD/RA Work Plan for this RAA. If GE concludes that no supplemental soil sampling is needed, GE will so advise EPA by letter and propose a schedule for submitting the Conceptual RD/RA Work Plan, likely within approximately two months of EPA's approval of that letter.

The contents of the Conceptual RD/RA Work Plan, when submitted, will be consistent with Section 3.3 of the SOW and address the following topics:

- Results of the pre-design studies/investigations;
- An evaluation of the areas and depths subject to response actions to meet the PCB-related Performance Standards set forth in the CD and the SOW;

- An assessment of topography and property boundary mapping;
- An evaluation of the need for additional response actions to address non-PCB constituents and (if needed) the type of such response actions;
- An evaluation of other issues that may affect the type and extent of response actions;
- Preliminary plans and specifications to support the response actions;
- Summary of preliminary response action quantities, including soil removal, capping areas, etc.;
- Design assumptions and parameters; and
- Identification of Applicable or Relevant and Appropriate Requirements (ARARs) in accordance with Attachment B to the SOW.

Tables

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TABLE 1
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA15-A8	0-1	2/24/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.088	0.088
	1-3	2/24/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	3-6	2/24/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
	6-10	2/24/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.28	0.36	0.64
	10-15	2/24/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA15-A9	0-1	2/24/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.34	0.34
RAA15-A11	0-1	2/21/2003	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	2.8	2.8
	1-3	2/21/2003	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	ND(0.15)	2.2	2.2
RAA15-A13	0-1	2/25/2003	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	3.9	3.9
RAA15-A15	0-1	2/21/2003	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	ND(0.14)	1.8	1.8
	1-3	2/21/2003	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	4.2	3.3	7.5
	3-6	2/21/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.013 J	0.013 J
	6-10	2/21/2003	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) J [0.11 J]	0.021 J [0.047]	0.021 J [0.157 J]
	10-15	2/21/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.0089 J	0.0089 J
RAA15-A17	0-1	2/24/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.68	0.68
RAA15-A18	0-1	2/24/2003	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	5.7	5.7
	1-3	2/24/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.058	0.058
	3-6	2/24/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.018 J	0.018 J
	6-10	2/24/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	10-15	2/24/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA15-A19	0-1	2/24/2003	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	3.6	3.6
RAA15-A20	0-1	2/28/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.38	0.38
	1-3	2/28/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.036 J	0.054	0.090
	3-6	2/28/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-10	2/28/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	10-15	2/28/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.0082 J	ND(0.038)	ND(0.038)	ND(0.038)	0.0082 J
RAA15-A21	0-1	3/3/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.61	0.61
RAA15-A22	0-1	2/28/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.015 J	0.027 J	0.042 J
	1-3	2/28/2003	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	1.9	1.6	3.5
	3-6	2/28/2003	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	0.16 J [ND(0.038) J]	0.24 [0.20]	0.40 J [0.20 J]
	6-10	2/28/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	10-15	2/28/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA15-A23	0-1	3/3/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.21	0.21
RAA15-A24	0-1	2/28/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.16	0.16
	1-3	2/28/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.098	0.097	0.195
	6-10	2/28/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	10-15	2/28/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA15-A25	0-1	3/3/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.11	0.11
RAA15-A26	0-1	3/3/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	1.1	1.1
	1-3	3/3/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.12	0.12
	3-6	3/3/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.089	0.089
	6-10	3/3/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	10-15	3/3/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.0087 J	0.0087 J
RAA15-A27	0-1	3/3/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.55	0.55
RAA15-B6	0-1	3/6/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	1.2	1.2
RAA15-B7	0-1	2/25/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.060	0.060
RAA15-B8	0-1	2/25/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.24	0.43	0.67
RAA15-B9	0-1	2/25/2003	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	2.3	2.3
RAA15-B11	0-1	2/25/2003	ND(18)	ND(18)	ND(18)	ND(18)	ND(18)	ND(18)	500 J	500 J
RAA15-B13	0-1	2/25/2003	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	99	99
RAA15-B15	0-1	2/25/2003	ND(7.4) [ND(19)]	ND(7.4) [ND(19)]	ND(7.4) [ND(19)]	ND(7.4) [ND(19)]	ND(7.4) [ND(19)]	ND(7.4) [ND(19)]	150 [270 J]	150 [270 J]
RAA15-B17	0-1	2/25/2003	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	19	46	65
RAA15-B18	0-1	2/25/2003	ND(0.85)	ND(0.85)	ND(0.85)	ND(0.85)	ND(0.85)	ND(0.85)	15	15

TABLE 1
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA15-B19	0-1	2/25/2003	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	ND(4.9)	67	67
RAA15-B20	0-1	3/4/2003	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	280	280
RAA15-B21	0-1	3/3/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.085	0.085
RAA15-B22	0-1	2/28/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA15-B23	0-1	3/3/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA15-B24	0-1	3/3/2003	ND(0.045) [ND(0.048)]	ND(0.045) [ND(0.048)]	ND(0.045) [ND(0.048)]	ND(0.045) [ND(0.048)]	ND(0.045) [ND(0.048)]	ND(0.045) [ND(0.048)]	0.36 [0.30]	0.36 [0.30]
RAA15-C4	0-1	3/7/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.057	0.12	0.177
	1-3	3/7/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.052	0.080	0.132
	3-6	3/7/2003	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	0.056 [ND(0.037)]	0.092 [0.13]	0.148 [0.13]
	6-10	3/7/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.027 J	0.027 J
	10-15	3/7/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA15-C5	0-1	3/10/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.29	ND(0.041)	0.29
RAA15-C6	0-1	3/6/2003	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)	3.0	2.7	5.7
	1-3	3/6/2003	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.7	1.6	3.3
	3-6	3/6/2003	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	2.2	2.3	4.5
	6-10	3/6/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.85	1.1	1.95
RAA15-C7	0-1	2/25/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	1.3	1.3
RAA15-C8	0-1	2/26/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.39	0.39
	1-3	2/26/2003	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	3.9	3.5	7.4
	3-6	2/26/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.020 J	0.028 J	0.048 J
	6-10	2/26/2003	ND(0.71)	ND(0.71)	ND(0.71)	ND(0.71)	ND(0.71)	6.4	7.3	13.7
	10-15	2/26/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA15-C9	0-1	2/25/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.37	0.37
RAA15-C11	0-1	2/21/2003	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	69	69
	1-3	2/21/2003	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	25	25
	3-6	2/21/2003	ND(0.035) [ND(0.036)]	ND(0.035) [ND(0.036)]	ND(0.035) [ND(0.036)]	ND(0.035) [ND(0.036)]	ND(0.035) [ND(0.036)]	0.65 [0.61]	1.1 [0.95]	1.75 [1.56]
	6-10	2/21/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA15-C13	0-1	2/25/2003	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	3.5	3.5
RAA15-C15	0-1	2/21/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	1.0	1.0
	1-3	2/21/2003	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	12	12
	3-6	2/21/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.11	0.16	0.27
	6-10	2/21/2003	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	25	43	68
	10-15	2/21/2003	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	1.8	2.8	4.6
RAA15-C17	0-1	2/25/2003	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	23	23
RAA15-C18	0-1	2/26/2003	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	62	48	110
	1-3	2/26/2003	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	2.3	1.7	4.0
	3-6	2/26/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.065	0.082	0.147
	6-10	2/26/2003	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	10-15	2/26/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA15-C19	0-1	2/27/2003	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.32	0.32
RAA15-C20	0-1	3/4/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.28	0.28
	1-3	3/4/2003	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	0.029 J [0.036 J]	0.029 J [0.036 J]
	3-6	3/4/2003	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
	6-10	3/4/2003	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	10-15	3/4/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA15-C21	0-1	3/3/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.016 J	0.016 J
RAA15-C22	0-1	2/28/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.016 J	0.016 J
	1-3	2/28/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	3-6	2/28/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.15	0.17	0.32
	6-10	2/28/2003	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	2.7	2.8	5.5
	10-15	2/28/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.098	0.12	0.218
RAA15-C23	0-1	3/3/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.0089 J	0.0089 J

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA15-C24	0-1	3/3/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.041	0.041
	1-3	3/3/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.058	0.058
	3-6	3/3/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.019 J	0.019 J
	6-10	3/3/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.33	0.33
	10-15	3/3/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.046	0.042	0.088
RAA15-C25	0-1	3/4/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.17	0.17
RAA15-D2	0-1	3/10/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.66	0.66
	1-3	3/10/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.18	0.18
	3-6	3/10/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-10	3/10/2003	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]
	10-15	3/10/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.039	0.057	0.096
RAA15-D3	0-1	3/10/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.16	0.24	0.40
RAA15-D4	0-1	3/10/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA15-D5	0-1	3/10/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.69	0.60	1.29
RAA15-D6	0-1	3/6/2003	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.64	0.90	1.54
RAA15-D7	0-1	2/27/2003	ND(0.47)	ND(0.47)	ND(0.47)	ND(0.47)	ND(0.47)	ND(0.47)	4.1	4.1
RAA15-D8	0-1	2/27/2003	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	1.2	2.9	4.1
RAA15-D9	0-1	2/25/2003	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	ND(3.6)	38	38
RAA15-D11	0-1	2/25/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.93	0.93
RAA15-D13	0-1	2/25/2003	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	4.1	4.1
RAA15-D15	0-1	2/25/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.73	0.73
RAA15-D17	0-1	2/25/2003	ND(0.85)	ND(0.85)	ND(0.85)	ND(0.85)	ND(0.85)	ND(0.85)	14	14
RAA15-D20	0-1	3/4/2003	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.19	0.19
RAA15-D21	0-1	3/4/2003	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.083	0.083
RAA15-D22	0-1	3/4/2003	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.029 J	0.029 J
RAA15-D23	0-1	3/4/2003	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.095	0.095
RAA15-D24	0-1	3/4/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.017 J	0.017 J
RAA15-D25	0-1	3/4/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.082	0.19	0.272
RAA15-D26	0-1	3/4/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.73	0.73
RAA15-D27	0-1	3/4/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.43	0.43
RAA15-E1	0-1	3/10/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.081	0.081
	1-3	3/10/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	3-6	3/10/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	6-10	3/10/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.012 J	0.012 J
	10-15	3/10/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA15-E2	0-1	3/10/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.070	0.12	0.19
	1-3	3/10/2003	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	2.0	ND(0.20)	2.0
	3-6	3/10/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-10	3/10/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	10-15	3/10/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA15-E3	0-1	3/10/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.094	0.094
RAA15-E4	0-1	3/7/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.24	0.22	0.46
	1-3	3/7/2003	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	8.4	6.5	14.9
	3-6	3/7/2003	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	2.6	1.8	4.4
	6-10	3/7/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.10	0.078	0.178
	10-15	3/7/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.14	0.11	0.25
RAA15-E5	0-1	3/10/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.38	0.38

TABLE 1
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA15-E6	0-1	3/6/2003	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.24	0.73	0.97
	1-3	3/6/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.21	0.21
	3-6	3/6/2003	ND(0.040) [ND(0.040)]	ND(0.040) [ND(0.040)]	ND(0.040) [ND(0.040)]	ND(0.040) [ND(0.040)]	ND(0.040) [ND(0.040)]	0.46 J [ND(0.040) J]	0.48 J [0.28 J]	0.94 J [0.28 J]
	6-10	3/6/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.036 J	0.046	0.082
	10-15	3/6/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA15-E7	0-1	2/27/2003	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	ND(0.45)	2.5	5.0	7.5
RAA15-E8	0-1	2/26/2003	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	6.1	6.1
	1-3	2/26/2003	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	24	24
	3-6	2/26/2003	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	12	12
	6-10	2/26/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.11	0.11
	10-15	2/26/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA15-E9	0-1	2/27/2003	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	4.0	9.2	13.2
RAA15-E11	0-1	2/21/2003	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	4.2	4.2
	1-3	2/21/2003	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	25	36	61
	3-6	2/27/2003	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	ND(0.37)	1.9	3.0	4.9
	6-10	2/27/2003	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	ND(0.74)	4.0	6.7	10.7
	10-15	2/27/2003	ND(0.048) [ND(0.045)]	ND(0.048) [ND(0.045)]	ND(0.048) [ND(0.045)]	ND(0.048) [ND(0.045)]	ND(0.048) [ND(0.045)]	0.057 [0.052]	0.099 [0.087]	0.156 [0.139]
RAA15-E13	0-1	2/27/2003	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	ND(0.16)	0.51	1.5	2.01
RAA15-E15	0-1	2/26/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.37	0.37
	1-3	2/26/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.27	0.27
	3-6	2/26/2003	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	1.3	2.1	3.4
	6-10	2/26/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.057	0.070	0.127
	10-15	2/26/2003	ND(0.041) [ND(0.040)]	ND(0.041) [ND(0.040)]	ND(0.041) [ND(0.040)]	ND(0.041) [ND(0.040)]	ND(0.041) [ND(0.040)]	ND(0.041) [0.010 J]	0.019 J [0.020 J]	0.019 J [0.030 J]
RAA15-E18	0-1	2/20/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.21	0.21
	1-3	2/20/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.050	0.11	0.16
	3-6	2/20/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.15	0.15
	6-10	2/20/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.053	0.053
	10-15	2/20/2003	ND(0.039) [ND(0.041)]	ND(0.039) [ND(0.041)]	ND(0.039) [ND(0.041)]	ND(0.039) [ND(0.041)]	ND(0.039) [ND(0.041)]	ND(0.039) [ND(0.041)]	ND(0.039) [ND(0.041)]	ND(0.039) [ND(0.041)]
RAA15-E19	0-1	2/18/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.13	0.13
RAA15-E20	1-3	2/19/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.18	0.18
	3-6	2/19/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.040 J	0.053	0.093
	6-10	2/19/2003	ND(0.061)	ND(0.061)	ND(0.061)	0.12	ND(0.061)	ND(0.061)	0.11	0.23
	10-15	2/19/2003	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)	ND(0.13)
RAA15-E21	0-1	2/19/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.13	0.13
RAA15-E22	0-1	2/19/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.10	0.10
	1-3	2/19/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.26	0.26
	3-6	2/19/2003	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.25	0.25
	6-10	2/19/2003	ND(0.069)	ND(0.069)	ND(0.069)	ND(0.069)	ND(0.069)	ND(0.069)	ND(0.069)	ND(0.069)
	10-15	2/19/2003	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)
RAA15-E23	0-1	2/18/2003	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.15	0.15
RAA15-F1	0-1	3/6/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.22	0.22
RAA15-F2	0-1	3/10/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.43	0.43
RAA15-F3	0-1	3/6/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.058	0.12	0.178
RAA15-F4	0-1	3/6/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.053	0.080	0.133
RAA15-F5	0-1	3/6/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.21	0.28	0.49
RAA15-F6	0-1	3/6/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.24	0.23	0.47
RAA15-F7	0-1	3/5/2003	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.13	0.21	0.34
RAA15-F8	0-1	2/27/2003	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	1.8	1.8
RAA15-F9	0-1	2/27/2003	ND(0.041) [ND(0.042)]	ND(0.041) [ND(0.042)]	ND(0.041) [ND(0.042)]	ND(0.041) [ND(0.042)]	ND(0.041) [ND(0.042)]	ND(0.041) [ND(0.042)]	0.46 [0.49]	0.46 [0.49]
RAA15-F11	0-1	2/27/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.54	0.54
RAA15-F13	0-1	2/27/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.29	0.29
RAA15-F17	0-1	2/17/2003	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.13	0.13
RAA15-F18	0-1	2/18/2003	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.18	0.18

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA15-F19	0-1	2/18/2003	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	2.5	2.5
RAA15-F21	0-1	2/18/2003	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.041 J	0.041 J
RAA15-F22	0-1	2/18/2003	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.057	0.057
RAA15-F23	0-1	2/18/2003	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.084	0.084
RAA15-F24	0-1	2/18/2003	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.070	0.070
RAA15-G1	0-1	3/6/2003	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.84	0.84
RAA15-G2	0-1	3/7/2003	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.8	1.5	3.3
	1-3	3/7/2003	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	2.9	2.3	5.2
	3-6	3/7/2003	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	ND(0.38)	3.7	3.2	6.9
	6-10	3/7/2003	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.8	1.6	3.4
	10-15	3/7/2003	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA15-G3	0-1	3/6/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.16	0.14	0.30
RAA15-G4	0-1	3/4/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.066	0.066
	1-3	3/4/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.056	0.059	0.115
	3-6	3/4/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.021 J	0.024 J	0.045 J
	6-10	3/4/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.066	0.066
	10-15	3/4/2003	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.092	0.11	0.202
RAA15-G5	0-1	3/6/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.58	1.6	2.18
RAA15-G6	0-1	3/5/2003	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.038 J	0.038 J
	1-3	3/5/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.028 J	0.028 J
	3-6	3/5/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.015 J	0.015 J
	6-10	3/5/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	10-15	3/5/2003	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA15-G7	0-1	3/6/2003	ND(0.044)	ND(0.044)	0.037 J	ND(0.044)	ND(0.044)	ND(0.044)	0.40	0.437
RAA15-G9	0-1	2/13/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.26	0.26
RAA15-G11	0-1	2/13/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.042	0.042
	1-3	2/13/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	3-6	2/13/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	6-10	2/13/2003	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	10-15	2/13/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA15-G13	0-1	2/13/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.11	0.11
RAA15-G15	0-1	2/13/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.057	0.057
	1-3	2/13/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.016 J	0.016 J
	3-6	2/13/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	6-10	2/13/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	10-15	2/13/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.017 J	0.017 J
RAA15-G17	0-1	2/17/2003	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.089	0.089
RAA15-G18	10-15	2/14/2003	ND(0.042)	ND(0.042)	ND(0.042)	0.014 J	ND(0.042)	ND(0.042)	0.014 J	0.028 J
RAA15-G19	0-1	2/18/2003	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.053	0.053
RAA15-G20	0-1	2/14/2003	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.074	0.074
	1-3	2/14/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	3-6	2/14/2003	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	6-10	2/14/2003	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)	ND(0.066)
	10-15	2/14/2003	ND(0.11) [ND(0.12)]	ND(0.11) [ND(0.12)]	ND(0.11) [ND(0.12)]	ND(0.11) [ND(0.12)]	ND(0.11) [ND(0.12)]	ND(0.11) [ND(0.12)]	ND(0.11) [ND(0.12)]	ND(0.11) [ND(0.12)]
RAA15-G21	0-1	2/18/2003	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.24	0.24
RAA15-G22	1-3	2/19/2003	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.081	0.081
	3-6	2/19/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.021 J	0.021 J
	6-10	2/19/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	10-15	2/19/2003	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)	ND(0.056)
RAA15-G23	0-1	2/18/2003	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	ND(0.053)	0.094	0.094
RAA15-GH12	0-1	2/12/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.10	0.10
RAA15-GH13	0-1	2/12/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.16	0.16
RAA15-H2	0-1	3/5/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.53	0.54	1.07

TABLE 1
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA15-H3	0-1	3/5/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.82	0.72	1.54
RAA15-H4	0-1	3/5/2003	ND(0.81)	ND(0.81)	ND(0.81)	ND(0.81)	ND(0.81)	ND(0.81)	7.2	7.2
RAA15-H5	0-1	3/5/2003	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.037 J	0.037 J
RAA15-H7	0-1	2/13/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.14	0.14
RAA15-H8	0-1	2/13/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.063	0.063
RAA15-H9	0-1	2/13/2003	ND(0.042) [ND(0.045)]	ND(0.042) [ND(0.045)]	ND(0.042) [ND(0.045)]	ND(0.042) [ND(0.045)]	ND(0.042) [ND(0.045)]	ND(0.042) [ND(0.045)]	0.24 [0.23]	0.24 [0.23]
RAA15-H11	0-1	2/12/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.066	0.066
	1-3	2/12/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.011 J	0.011 J
	3-5	2/12/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA15-H12	0-1	2/12/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.088	0.088
RAA15-H13	0-1	2/12/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.050	0.050
	1-3	2/12/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	3-5	2/12/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA15-H14	0-1	2/12/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.053	0.053
RAA15-H15	0-1	2/17/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.10	0.10
RAA15-H17	0-1	2/17/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.084	0.084
RAA15-H18	0-1	2/18/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.061	0.061
RAA15-H19	0-1	2/18/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.067	0.067
RAA15-H20	0-1	2/18/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.080	0.080
RAA15-H21	0-1	2/18/2003	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.18	0.18
RAA15-I10	0-1	2/12/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.095	0.15	0.245
RAA15-I11	0-1	2/12/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.61	0.55	1.16
RAA15-I12	0-1	2/12/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.11	0.16	0.27
RAA15-I13	0-1	2/12/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.054	0.054
RAA15-I14	0-1	2/12/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.076	0.076
RAA15-I15	0-1	2/12/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.099	0.099
RAA15-J2	0-1	3/5/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.37	0.37
	1-3	3/5/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.096	0.18	0.276
	3-6	3/5/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.016 J	0.016 J
	6-10	3/5/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.016 J	0.016 J
	10-15	3/5/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA15-J3	0-1	3/5/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.094	0.094
RAA15-J4	0-1	3/5/2003	ND(0.043)	ND(0.043)	ND(0.043)	0.029 J	ND(0.043)	ND(0.043)	0.15	0.179
	1-3	3/5/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.048	0.048
	3-6	3/5/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-10	3/5/2003	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [ND(0.038)]	ND(0.038) [0.0070 J]	ND(0.038) [0.0070 J]
	10-15	3/5/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA15-J6	0-1	2/13/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.28	0.28
	1-3	2/13/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.19	0.19
	3-6	2/13/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.054	0.054
	6-10	2/13/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.039 J	0.039 J
	10-15	2/13/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.040 J	0.040 J
RAA15-J7	0-1	2/13/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.020 J	0.020 J
RAA15-J8	0-1	2/13/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.034 J	0.034 J
	1-3	2/13/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	3-6	2/13/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-10	2/13/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	10-15	2/13/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA15-J8.5	0-1	2/12/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.11	0.11

TABLE 1
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA15-J9	0-1	2/12/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.13	0.13
	1-3	2/12/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	3-5	2/12/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA15-J10	0-1	2/12/2003	ND(0.043) [ND(0.043)]	ND(0.043) [ND(0.043)]	ND(0.043) [ND(0.043)]	ND(0.043) [ND(0.043)]	ND(0.043) [ND(0.043)]	ND(0.043) [ND(0.043)]	0.19 [0.19]	0.19 [0.19]
RAA15-J11	0-1	2/11/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.45	0.38	0.83
	1-3	2/11/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.018 J	0.018 J
	3-5	2/11/2003	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.016 J	0.016 J
	5-7	2/11/2003	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
RAA15-J12	0-1	2/12/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.063	0.063
RAA15-J13	0-1	2/12/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.10	0.10
RAA15-J14	0-1	2/12/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.051	0.051
RAA15-J15	0-1	2/11/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.15	0.15
	1-3	2/11/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.053	0.051	0.104
	3-5	2/11/2003	ND(0.041)	ND(0.041)	ND(0.041)	0.012 J	ND(0.041)	ND(0.041)	0.039 J	0.051 J
	5-7	2/11/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.040	ND(0.039)	0.040
	7-9	2/11/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA15-J17	0-1	2/17/2003	ND(0.041) [ND(0.040)]	ND(0.041) [ND(0.040)]	ND(0.041) [ND(0.040)]	ND(0.041) [ND(0.040)]	ND(0.041) [ND(0.040)]	ND(0.041) [ND(0.040)]	0.061 [0.052]	0.061 [0.052]
RAA15-J18	0-1	2/14/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.069	0.069
	1-3	2/14/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	3-6	2/14/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	6-10	2/14/2003	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	10-15	2/14/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
RAA15-J19	0-1	2/18/2003	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.11	0.11
RAA15-J20	0-1	2/20/2003	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.060	0.060
	1-3	2/20/2003	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	3-6	2/20/2003	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	6-10	2/20/2003	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)	ND(0.084)
	10-15	2/20/2003	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)	ND(0.075)
RAA15-K8.5	0-1	2/12/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.072	0.15	0.222
RAA15-K9	0-1	2/12/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.14	0.14
RAA15-K10	0-1	2/12/2003	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.031 J	0.070	0.101
RAA15-K11	0-1	2/12/2003	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.35	0.56	0.91
RAA15-K12	0-1	2/12/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.15	0.15
RAA15-K13	0-1	2/12/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.14	0.14	0.28
RAA15-K14	0-1	2/12/2003	ND(0.040) [ND(0.20)]	ND(0.040) [ND(0.20)]	ND(0.040) [ND(0.20)]	ND(0.040) [ND(0.20)]	ND(0.040) [ND(0.20)]	0.74 [2.9]	0.41 [1.7]	1.15 [4.6]
RAA15-K15	0-1	2/12/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.041 J	0.058	0.099
RAA15-K16	0-1	2/12/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.20	0.20
RAA15-L2	0-1	3/5/2003	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.8	ND(0.20)	1.8
RAA15-L3	0-1	3/5/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.14	0.14
RAA15-L5	0-1	2/13/2003	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.26	0.26
RAA15-L6	0-1	2/13/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.15	0.15
RAA15-L7	0-1	2/13/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.054	0.054
RAA15-L8	0-1	2/13/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.26	0.26
RAA15-L8.5	0-1	2/12/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.13	0.13
RAA15-L9	0-1	2/11/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.34	0.34
	1-3	2/11/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.0071 J	0.0071 J
	3-5	2/11/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA15-L10	0-1	2/12/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.15	0.15
RAA15-L11	0-1	2/11/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.32	0.30	0.62
	1-3	2/11/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.029 J	0.033 J	0.062 J
	3-5	2/11/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA15-L12	0-1	2/12/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.73	0.73

TABLE 1
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA15-L13	0-1	2/11/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.63	0.42	1.05
	1-3	2/11/2003	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	2.4	2.4
	3-5	2/11/2003	ND(0.038)	ND(0.038)	ND(0.038)	0.13	ND(0.038)	0.17	0.11	0.41
	5-7	2/11/2003	ND(3.9)	ND(3.9)	ND(3.9)	ND(3.9)	ND(3.9)	25	ND(3.9)	25
	7-9	2/11/2003	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	35	ND(3.8)	35
	9-11	2/11/2003	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	3.0	ND(0.39)	3.0
	11-13	2/11/2003	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.40 J	ND(0.050)	0.40 J
	13-15	2/11/2003	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.014 J	ND(0.047)	0.014 J
RAA15-L14	0-1	2/12/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.22	0.19	0.41
RAA15-L15	0-1	2/11/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.15	0.15
	1-3	2/11/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.016 J	0.024 J	0.040 J
	3-5	2/11/2003	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	2.7	ND(0.19)	2.7
	5-7	2/11/2003	ND(7.8)	ND(7.8)	ND(7.8)	ND(7.8)	ND(7.8)	63	ND(7.8)	63
	7-9	2/11/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.29	ND(0.038)	0.29
	9-11	2/11/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.37	ND(0.039)	0.37
	11-13	2/11/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.78	ND(0.039)	0.78
	13-15	2/11/2003	ND(0.043) [ND(0.042) J]	ND(0.043) [ND(0.042) J]	ND(0.043) [ND(0.042) J]	ND(0.043) [ND(0.042) J]	ND(0.043) [ND(0.042) J]	0.50 [0.21 J]	ND(0.043) [0.093 J]	0.50 [0.303 J]
RAA15-L16	0-1	2/12/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.099	0.099
RAA15-L17	0-1	2/17/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.066	0.066
RAA15-L18	0-1	2/17/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.12	0.12
RAA15-L19	0-1	2/17/2003	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.051	0.051
RAA15-M10	0-1	2/12/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.013 J	0.016 J	0.029 J
RAA15-M11	0-1	2/12/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.033 J	0.033 J
RAA15-M12	0-1	2/11/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.20	0.35	0.55
RAA15-M13	0-1	2/11/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.89	1.3	2.19
RAA15-M14	0-1	2/11/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.12	0.12
RAA15-M15	0-1	2/11/2003	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.24	0.24
RAA15-M16	0-1	2/11/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.16	0.16
RAA15-M17	0-1	2/11/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.17	0.27	0.44
RAA15-N6	0-1	2/13/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.084	0.084
	1-3	2/13/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.021 J	0.021 J
	3-6	2/13/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-10	2/13/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	10-15	2/13/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA15-N7	0-1	2/13/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.083	0.083
RAA15-N11	0-1	2/10/2003	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.16	0.16
	1-3	2/10/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.029 J	0.029 J
	3-5	2/10/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA15-N12	0-1	2/11/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.10	0.13	0.23
RAA15-N13	0-1	2/10/2003	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	1.6	1.6
	1-3	2/10/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.18	0.18
	3-5	2/10/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA15-N14	0-1	2/11/2003	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.88	0.88
RAA15-N15	0-1	2/10/2003	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	2.1	2.1
	1-3	2/10/2003	ND(0.36) [ND(0.74)]	ND(0.36) [ND(0.74)]	ND(0.36) [ND(0.74)]	ND(0.36) [ND(0.74)]	ND(0.36) [ND(0.74)]	8.1 [11]	4.2 [5.4]	12.3 [16.4]
	3-5	2/10/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.22	0.30	0.52
	5-7	2/10/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.046	ND(0.036)	0.046
	7-9	2/10/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)

TABLE 1
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR PCBs

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA15-N16	0-1	2/11/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.18	0.30	0.48
RAA15-N17	0-1	2/10/2003	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.38	0.38
	1-3	2/10/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.13	0.13
	3-5	2/10/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.038	0.038
	5-7	2/10/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.017 J	0.039	0.10	0.156
	7-9	2/10/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA15-O11	0-1	2/12/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.091	0.091
RAA15-O13	0-1	2/11/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.062	0.062
RAA15-O14	0-1	2/11/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.090	0.087	0.177
RAA15-O15	0-1	2/11/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	1.4	1.4
RAA15-O16	0-1	2/11/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	1.6	0.76	2.36
RAA15-P12	0-1	2/11/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.020 J	0.020 J
RAA15-P13	0-1	2/10/2003	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.13	0.13
	1-3	2/10/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.051	0.051
	3-5	2/10/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.0096 J	0.0096 J
	5-7	2/10/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA15-P14	0-1	2/11/2003	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	0.057	0.061	0.118
RAA15-P15	0-1	2/10/2003	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.15	0.15
	1-3	2/10/2003	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.026 J	0.026 J
	3-5	2/10/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA15-Q13	0-1	2/11/2003	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.082	0.13	0.212

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and were submitted to Severn Trent Laboratories, Inc. for analysis of PCBs .
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan, General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved November 4, 2002 and resubmitted December 10, 2002).
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Field duplicate sample results are presented in brackets.

Data Qualifiers:

J - Indicates that the associated numerical value is an estimated concentration.

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA15-A9 0-1 02/24/03	RAA15-A15 3-6 02/21/03	RAA15-A15 4-6 02/21/03	RAA15-A19 0-1 02/24/03	RAA15-A19 1-3 02/24/03
Volatile Organics					
2-Butanone	ND(0.0052) J	NA	ND(0.0050)	ND(0.0068) J	ND(0.0046) J
Acetone	ND(0.021) J	NA	ND(0.020)	ND(0.027) J	ND(0.018) J
Benzene	ND(0.0052)	NA	0.00050 J	ND(0.0068)	ND(0.0046)
Carbon Disulfide	ND(0.0052)	NA	ND(0.0050)	ND(0.0068)	ND(0.0046)
Chloroform	ND(0.0052)	NA	ND(0.0050)	ND(0.0068)	ND(0.0046)
Ethylbenzene	ND(0.0052)	NA	ND(0.0050)	ND(0.0068)	ND(0.0046)
Methylene Chloride	0.00083 J	NA	ND(0.0050)	ND(0.0068)	ND(0.0046)
Toluene	0.00057 J	NA	ND(0.0050)	ND(0.0068)	0.00077 J
trans-1,2-Dichloroethene	ND(0.0052)	NA	ND(0.0050)	ND(0.0068)	ND(0.0046)
Trichloroethene	ND(0.0052)	NA	ND(0.0050)	ND(0.0068)	ND(0.0046)
Vinyl Chloride	ND(0.010)	NA	ND(0.0099)	ND(0.014)	ND(0.0092)
Xylenes (total)	ND(0.0052)	NA	ND(0.0050)	ND(0.0068)	ND(0.0046)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.37)	ND(1.5)	NA	ND(3.8)	ND(18)
1,2,4-Trichlorobenzene	ND(0.37)	ND(1.5)	NA	ND(3.8)	ND(18)
1,4-Dichlorobenzene	ND(0.37)	ND(1.5)	NA	ND(3.8)	ND(18)
1,4-Naphthoquinone	ND(1.8)	ND(7.1)	NA	ND(18)	ND(86)
2-Methylnaphthalene	ND(0.37)	1.6	NA	ND(3.8)	9.5 J
3&4-Methylphenol	ND(0.74)	ND(2.9)	NA	ND(7.6)	ND(36)
3,3'-Dichlorobenzidine	ND(1.8)	ND(7.1)	NA	ND(18)	ND(86)
3-Methylcholanthrene	ND(1.8)	ND(7.1)	NA	ND(18)	ND(86)
Acenaphthene	ND(0.37)	ND(1.5)	NA	ND(3.8)	ND(18)
Acenaphthylene	ND(0.37)	2.6	NA	2.4 J	44
Aniline	ND(0.37)	ND(1.5)	NA	1.0 J	ND(18)
Anthracene	ND(0.37)	0.97 J	NA	1.2 J	19
Benzo(a)anthracene	0.053 J	1.8	NA	6.6	99
Benzo(a)pyrene	0.054 J	2.9	NA	8.5	110
Benzo(b)fluoranthene	0.055 J	2.0	NA	8.0	110
Benzo(g,h,i)perylene	ND(0.37)	1.8	NA	2.7 J	35
Benzo(k)fluoranthene	ND(0.37)	1.9	NA	8.5	75
bis(2-Ethylhexyl)phthalate	ND(0.37)	ND(1.5)	NA	ND(3.8)	ND(18)
Chrysene	0.061 J	2.2	NA	7.1	100
Dibenzo(a,h)anthracene	ND(0.37)	0.49 J	NA	0.83 J	12 J
Dibenzofuran	ND(0.37)	0.16 J	NA	ND(3.8)	1.8 J
Diethylphthalate	ND(0.37)	ND(1.5)	NA	ND(3.8)	ND(18)
Di-n-Butylphthalate	ND(0.37)	ND(1.5)	NA	ND(3.8)	ND(18)
Fluoranthene	0.13 J	2.4	NA	14	160
Fluorene	ND(0.37)	0.33 J	NA	ND(3.8)	5.0 J
Hexachlorobenzene	ND(0.37)	ND(1.5)	NA	ND(3.8)	ND(18)
Indeno(1,2,3-cd)pyrene	ND(0.37)	1.7	NA	3.4 J	40
Isophorone	ND(0.37)	ND(1.5)	NA	ND(3.8)	ND(18)
Naphthalene	ND(0.37)	1.9	NA	0.33 J	17 J
Pentachlorobenzene	ND(0.37)	ND(1.5)	NA	ND(3.8)	ND(18)
Pentachlorophenol	ND(1.8)	ND(7.1)	NA	ND(18)	ND(86)
Phenanthrene	0.075 J	2.3	NA	3.8	53
Phenol	ND(0.37)	ND(1.5)	NA	ND(3.8)	ND(18)
Pyrene	0.086 J	3.4	NA	12	220

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-A9 0-1 02/24/03	RAA15-A15 3-6 02/21/03	RAA15-A15 4-6 02/21/03	RAA15-A19 0-1 02/24/03	RAA15-A19 1-3 02/24/03
Furans					
2,3,7,8-TCDF	ND(0.0000014) X	ND(0.0000028) X	NA	ND(0.000033)	0.000012 J
TCDFs (total)	ND(0.000020) X	ND(0.000016) X	NA	ND(0.00050) X	ND(0.00011) X
1,2,3,7,8-PeCDF	ND(0.00000066) X	0.00000075 J	NA	0.000011	0.0000036 J
2,3,4,7,8-PeCDF	0.0000014 J	0.00000077 J	NA	0.000018	0.0000050 J
PeCDFs (total)	ND(0.000050) X	ND(0.0000096) X	NA	ND(0.0011) X	ND(0.00020) X
1,2,3,4,7,8-HxCDF	0.0000029 J	0.00000097 J	NA	0.000024	ND(0.000030) X
1,2,3,6,7,8-HxCDF	ND(0.0000046) X	ND(0.00000055) X	NA	ND(0.00016) X	ND(0.0000039) X
1,2,3,7,8,9-HxCDF	ND(0.00000014)	ND(0.00000015)	NA	0.00000067 J	ND(0.0000016) X
2,3,4,6,7,8-HxCDF	0.00000078 J	0.00000023 J	NA	0.000014	0.0000036 J
HxCDFs (total)	ND(0.000044) X	ND(0.0000038) X	NA	ND(0.00090) X	ND(0.00017) X
1,2,3,4,6,7,8-HpCDF	0.0000062	ND(0.00000094) X	NA	0.000054	0.000014 J
1,2,3,4,7,8,9-HpCDF	0.0000012 J	ND(0.00000022)	NA	0.0000072	0.0000071 J
HpCDFs (total)	0.000016	ND(0.0000017) X	NA	0.00015	0.000040 J
OCDF	0.0000075 J	0.0000013 J	NA	0.000053 J	0.000013 J
Dioxins					
2,3,7,8-TCDD	ND(0.00000029)	ND(0.00000037)	NA	ND(0.0000022)	ND(0.0000026)
TCDDs (total)	ND(0.00000029)	ND(0.0000029) X	NA	ND(0.0000022)	ND(0.0000026)
1,2,3,7,8-PeCDD	ND(0.00000020)	ND(0.00000022)	NA	ND(0.0000018) X	ND(0.0000014) X
PeCDDs (total)	ND(0.00000022) X	ND(0.0000031) X	NA	ND(0.000012) X	ND(0.0000035) X
1,2,3,4,7,8-HxCDD	ND(0.00000019)	ND(0.00000024)	NA	ND(0.0000016) X	ND(0.0000030) X
1,2,3,6,7,8-HxCDD	ND(0.00000045) X	ND(0.00000023)	NA	ND(0.0000043) X	ND(0.0000023) X
1,2,3,7,8,9-HxCDD	ND(0.00000028) X	ND(0.00000037) X	NA	0.0000043 J	ND(0.0000018)
HxCDDs (total)	ND(0.0000023) X	ND(0.0000027) X	NA	ND(0.000046) X	ND(0.000016) X
1,2,3,4,6,7,8-HpCDD	0.000010	0.0000011 J	NA	0.000050	0.0000084 J
HpCDDs (total)	0.000018	0.0000019 J	NA	0.000096	ND(0.000016) X
OCDD	0.00011	ND(0.0000049)	NA	0.00035 J	0.000041 J
Total TEQs (WHO TEFs)	0.0000019	0.0000011	NA	0.000027	0.0000087
Inorganics					
Antimony	ND(6.70)	ND(6.70)	NA	ND(6.90)	0.450 B
Arsenic	3.00	5.40	NA	4.50	5.00
Barium	15.7 B	29.0	NA	34.5	19.8 B
Beryllium	0.180 B	0.150 B	NA	0.280 B	0.260 B
Cadmium	0.450 B	0.170 B	NA	1.00	0.580
Chromium	4.40 J	6.70	NA	9.90 J	6.80 J
Cobalt	4.30 B	6.40	NA	6.10	6.20
Copper	10.6 J	26.6	NA	33.3 J	32.5 J
Cyanide	ND(0.560)	0.210 B	NA	1.20	0.390 B
Lead	12.1 J	20.0	NA	173 J	18.8 J
Mercury	0.0180 B	0.0730	NA	0.120	0.140
Nickel	8.30 J	12.8	NA	13.2 J	12.4 J
Selenium	ND(0.560)	ND(0.560)	NA	ND(0.580)	ND(0.540)
Silver	ND(1.10)	ND(1.10)	NA	ND(1.20)	ND(1.10)
Thallium	ND(1.10) J	ND(1.10) J	NA	ND(1.20) J	ND(1.10) J
Tin	ND(2.70)	ND(6.30)	NA	ND(4.70)	ND(3.90)
Vanadium	6.50 J	8.20	NA	13.8 J	9.60 J
Zinc	29.1 J	44.6	NA	132 J	43.0 J

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-A19 3-6 02/24/03	RAA15-A19 4-6 02/24/03	RAA15-A19 10-12 02/24/03	RAA15-A19 10-15 02/24/03	RAA15-A26 0-1 03/03/03	RAA15-A26 3-6 03/03/03
Volatile Organics						
2-Butanone	NA	ND(0.0060) J	ND(0.0061) J	NA	ND(0.0052) J	NA
Acetone	NA	ND(0.024) J	ND(0.024) J	NA	ND(0.021)	NA
Benzene	NA	0.016	ND(0.0061)	NA	ND(0.0052)	NA
Carbon Disulfide	NA	ND(0.0060)	ND(0.0061)	NA	ND(0.0052)	NA
Chloroform	NA	ND(0.0060)	ND(0.0061)	NA	ND(0.0052)	NA
Ethylbenzene	NA	0.00082 J	ND(0.0061)	NA	ND(0.0052)	NA
Methylene Chloride	NA	ND(0.0060)	ND(0.0061)	NA	0.0024 J	NA
Toluene	NA	0.0059 J	0.0015 J	NA	ND(0.0052)	NA
trans-1,2-Dichloroethene	NA	ND(0.0060)	ND(0.0061)	NA	ND(0.0052)	NA
Trichloroethene	NA	ND(0.0060)	ND(0.0061)	NA	ND(0.0052)	NA
Vinyl Chloride	NA	ND(0.012)	ND(0.012)	NA	ND(0.010)	NA
Xylenes (total)	NA	ND(0.0060)	ND(0.0061)	NA	ND(0.0052)	NA
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene	ND(15)	NA	NA	ND(0.42)	ND(7.4)	ND(0.36)
1,2,4-Trichlorobenzene	ND(15)	NA	NA	ND(0.42)	ND(7.4)	ND(0.36)
1,4-Dichlorobenzene	ND(15)	NA	NA	ND(0.42)	ND(7.4)	ND(0.36)
1,4-Naphthoquinone	ND(72)	NA	NA	ND(2.0)	ND(36)	ND(1.8)
2-Methylnaphthalene	13 J	NA	NA	ND(0.42)	ND(7.4)	ND(0.36)
3&4-Methylphenol	ND(30)	NA	NA	ND(0.84)	ND(15)	ND(0.73)
3,3'-Dichlorobenzidine	ND(72)	NA	NA	ND(2.0)	ND(36)	ND(1.8)
3-Methylcholanthrene	ND(72)	NA	NA	ND(2.0)	ND(36)	ND(1.8)
Acenaphthene	1.6 J	NA	NA	ND(0.42)	1.2 J	0.048 J
Acenaphthylene	31	NA	NA	ND(0.42)	ND(7.4)	0.026 J
Aniline	ND(15)	NA	NA	ND(0.42)	ND(7.4)	ND(0.36)
Anthracene	16	NA	NA	ND(0.42)	2.9 J	0.18 J
Benzo(a)anthracene	52	NA	NA	ND(0.42)	6.5 J	0.40
Benzo(a)pyrene	49	NA	NA	ND(0.42)	5.8 J	0.37
Benzo(b)fluoranthene	40	NA	NA	ND(0.42)	4.9 J	0.34 J
Benzo(g,h,i)perylene	16	NA	NA	ND(0.42)	1.9 J	0.14 J
Benzo(k)fluoranthene	41	NA	NA	ND(0.42)	5.7 J	0.31 J
bis(2-Ethylhexyl)phthalate	ND(15)	NA	NA	ND(0.42)	ND(7.4)	ND(0.36)
Chrysene	56	NA	NA	ND(0.42)	6.7 J	0.42
Dibenzo(a,h)anthracene	5.3 J	NA	NA	ND(0.42)	ND(7.4)	0.050 J
Dibenzofuran	2.3 J	NA	NA	ND(0.42)	0.74 J	0.040 J
Diethylphthalate	ND(15)	NA	NA	ND(0.42)	ND(7.4)	ND(0.36)
Di-n-Butylphthalate	ND(15)	NA	NA	ND(0.42)	ND(7.4)	ND(0.36)
Fluoranthene	88	NA	NA	ND(0.42)	15	0.86
Fluorene	9.3 J	NA	NA	ND(0.42)	1.4 J	0.057 J
Hexachlorobenzene	ND(15)	NA	NA	ND(0.42)	ND(7.4)	ND(0.36)
Indeno(1,2,3-cd)pyrene	17	NA	NA	ND(0.42)	2.3 J	0.18 J
Isophorone	ND(15)	NA	NA	ND(0.42)	ND(7.4)	ND(0.36)
Naphthalene	19	NA	NA	ND(0.42)	ND(7.4)	0.024 J
Pentachlorobenzene	ND(15)	NA	NA	ND(0.42)	ND(7.4)	ND(0.36)
Pentachlorophenol	ND(72)	NA	NA	ND(2.0)	ND(36)	ND(1.8)
Phenanthrene	85	NA	NA	ND(0.42)	12	0.67
Phenol	ND(15)	NA	NA	ND(0.42)	ND(7.4)	ND(0.36)
Pyrene	99	NA	NA	ND(0.42)	10	0.62

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-A19 3-6 02/24/03	RAA15-A19 4-6 02/24/03	RAA15-A19 10-12 02/24/03	RAA15-A19 10-15 02/24/03	RAA15-A26 0-1 03/03/03	RAA15-A26 3-6 03/03/03
Furans						
2,3,7,8-TCDF	ND(0.0000072) X	NA	NA	ND(0.00000023)	0.0000073 J	ND(0.0000028) X
TCDFs (total)	ND(0.000020) X	NA	NA	ND(0.00000023)	ND(0.000080) X	ND(0.000023) X
1,2,3,7,8-PeCDF	ND(0.00000092)	NA	NA	ND(0.00000016)	0.0000028 J	ND(0.00000047)
2,3,4,7,8-PeCDF	0.0000021 J	NA	NA	ND(0.00000015)	0.0000047 J	ND(0.00000077) X
PeCDFs (total)	ND(0.0000082) X	NA	NA	ND(0.00000016)	ND(0.00023) X	ND(0.000038) X
1,2,3,4,7,8-HxCDF	ND(0.00000090)	NA	NA	ND(0.00000013)	ND(0.000039) X	ND(0.0000011) X
1,2,3,6,7,8-HxCDF	ND(0.00000083)	NA	NA	ND(0.00000012)	0.0000054 J	ND(0.0000046) X
1,2,3,7,8,9-HxCDF	ND(0.0000011)	NA	NA	ND(0.00000016)	ND(0.00000089)	ND(0.00000043)
2,3,4,6,7,8-HxCDF	ND(0.00000095)	NA	NA	ND(0.00000014)	0.0000041 J	ND(0.00000049) X
HxCDFs (total)	ND(0.0000015) X	NA	NA	ND(0.00000018) X	ND(0.00022) X	ND(0.000028) X
1,2,3,4,6,7,8-HpCDF	0.0000031 J	NA	NA	ND(0.00000022)	0.000030 J	0.0000022 J
1,2,3,4,7,8,9-HpCDF	ND(0.0000018) J	NA	NA	ND(0.00000027)	0.000019 J	ND(0.00000062)
HpCDFs (total)	0.0000031 J	NA	NA	ND(0.00000024)	0.00011	ND(0.0000049) X
OCDF	ND(0.0000021) J	NA	NA	ND(0.00000052) J	0.00011 J	ND(0.0000027)
Dioxins						
2,3,7,8-TCDD	ND(0.0000019)	NA	NA	ND(0.00000033)	ND(0.0000018)	ND(0.00000085)
TCDDs (total)	ND(0.0000019)	NA	NA	ND(0.00000033)	ND(0.0000018)	ND(0.00000085)
1,2,3,7,8-PeCDD	ND(0.0000011)	NA	NA	ND(0.00000021)	ND(0.0000012)	ND(0.00000045)
PeCDDs (total)	ND(0.0000011)	NA	NA	ND(0.00000021)	ND(0.000019) X	ND(0.00000045)
1,2,3,4,7,8-HxCDD	ND(0.0000015)	NA	NA	ND(0.00000025)	ND(0.0000014)	ND(0.00000065)
1,2,3,6,7,8-HxCDD	ND(0.0000014)	NA	NA	ND(0.00000024)	ND(0.0000014)	ND(0.00000061)
1,2,3,7,8,9-HxCDD	ND(0.0000014)	NA	NA	ND(0.00000025)	ND(0.0000014)	ND(0.00000063)
HxCDDs (total)	ND(0.0000014)	NA	NA	ND(0.00000025)	ND(0.000038) X	ND(0.0000021) X
1,2,3,4,6,7,8-HpCDD	ND(0.0000018)	NA	NA	ND(0.00000035)	ND(0.000018) X	0.0000024 J
HpCDDs (total)	ND(0.0000018)	NA	NA	ND(0.00000035)	ND(0.000034) X	0.0000053 J
OCDD	0.000010 J	NA	NA	0.0000013 J	0.00025 J	0.000022 J
Total TEQs (WHO TEFs)	0.0000034	NA	NA	0.00000039	0.0000085	0.0000015
Inorganics						
Antimony	ND(6.80)	NA	NA	ND(7.70)	ND(6.70) J	ND(6.60) J
Arsenic	4.50	NA	NA	2.20	5.60	5.00
Barium	36.4	NA	NA	32.3	32.9	25.0
Beryllium	0.360 B	NA	NA	0.380 B	ND(0.380)	ND(0.430)
Cadmium	0.470 B	NA	NA	0.810	ND(0.560)	ND(0.550)
Chromium	12.1 J	NA	NA	9.90 J	9.50	8.60
Cobalt	4.90 B	NA	NA	9.40	8.20	6.60
Copper	28.1 J	NA	NA	17.2 J	44.6	16.6
Cyanide	0.460 B	NA	NA	ND(0.640)	ND(0.560)	ND(0.550)
Lead	22.3 J	NA	NA	8.20 J	35.8 J	14.4 J
Mercury	0.150	NA	NA	ND(0.0430)	0.0790	0.0810
Nickel	11.0 J	NA	NA	17.1 J	15.1	12.9
Selenium	0.440 B	NA	NA	ND(0.640)	ND(0.560)	ND(0.550)
Silver	ND(1.10)	NA	NA	ND(1.30)	ND(1.10)	ND(1.10)
Thallium	ND(1.10) J	NA	NA	0.920 J	ND(1.10) J	ND(1.10) J
Tin	ND(3.80)	NA	NA	ND(3.90)	ND(4.90)	ND(4.10)
Vanadium	11.0 J	NA	NA	11.8 J	12.7	10.2
Zinc	44.8 J	NA	NA	58.7 J	69.2	56.2

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-A26 4-6 03/03/03	RAA15-B7 0-1 02/25/03	RAA15-B11 0-1 02/25/03	RAA15-B15 0-1 02/25/03
Volatile Organics				
2-Butanone	0.0030 J	ND(0.0048) J	ND(0.0043) J	ND(0.0049) J [ND(0.0050) J]
Acetone	0.013 J	ND(0.019) J	ND(0.017) J	ND(0.020) J [ND(0.020) J]
Benzene	ND(0.0046)	ND(0.0048)	ND(0.0043)	ND(0.0049) [ND(0.0050)]
Carbon Disulfide	ND(0.0046)	ND(0.0048)	ND(0.0043)	ND(0.0049) [ND(0.0050)]
Chloroform	0.0018 J	ND(0.0048)	ND(0.0043)	ND(0.0049) [ND(0.0050)]
Ethylbenzene	ND(0.0046)	ND(0.0048)	ND(0.0043)	ND(0.0049) [ND(0.0050)]
Methylene Chloride	0.0012 J	ND(0.0048)	0.0024 J	ND(0.0049) [ND(0.0050)]
Toluene	ND(0.0046)	ND(0.0048)	0.0015 J	ND(0.0049) [ND(0.0050)]
trans-1,2-Dichloroethene	ND(0.0046)	ND(0.0048)	ND(0.0043)	ND(0.0049) [ND(0.0050)]
Trichloroethene	ND(0.0046)	ND(0.0048)	ND(0.0043)	ND(0.0049) [ND(0.0050)]
Vinyl Chloride	ND(0.0093)	ND(0.0096)	ND(0.0086)	ND(0.0098) [ND(0.010)]
Xylenes (total)	ND(0.0046)	ND(0.0048)	ND(0.0043)	ND(0.0049) [ND(0.0050)]
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	NA	ND(0.71)	ND(1.4)	ND(2.9) [ND(2.9)]
1,2,4-Trichlorobenzene	NA	ND(0.71)	1.8	0.29 J [0.27 J]
1,4-Dichlorobenzene	NA	ND(0.71)	ND(1.4)	ND(2.9) [ND(2.9)]
1,4-Naphthoquinone	NA	ND(3.5)	ND(7.0)	ND(14) [ND(14)]
2-Methylnaphthalene	NA	ND(0.71)	0.15 J	ND(2.9) [ND(2.9)]
3&4-Methylphenol	NA	ND(1.4)	ND(2.9)	ND(5.7) [ND(5.9)]
3,3'-Dichlorobenzidine	NA	ND(3.5)	0.95 J	ND(14) [ND(14)]
3-Methylcholanthrene	NA	ND(3.5)	0.29 J	ND(14) [ND(14)]
Acenaphthene	NA	ND(0.71)	1.3 J	ND(2.9) [ND(2.9)]
Acenaphthylene	NA	ND(0.71)	0.13 J	ND(2.9) [ND(2.9)]
Aniline	NA	ND(0.71)	0.18 J	ND(2.9) [ND(2.9)]
Anthracene	NA	ND(0.71)	4.1	ND(2.9) [ND(2.9)]
Benzo(a)anthracene	NA	ND(0.71)	9.7	ND(2.9) [ND(2.9)]
Benzo(a)pyrene	NA	ND(0.71)	9.6	ND(2.9) [ND(2.9)]
Benzo(b)fluoranthene	NA	ND(0.71)	11	ND(2.9) [ND(2.9)]
Benzo(g,h,i)perylene	NA	ND(0.71)	3.5	ND(2.9) [ND(2.9)]
Benzo(k)fluoranthene	NA	ND(0.71)	5.2	ND(2.9) [ND(2.9)]
bis(2-Ethylhexyl)phthalate	NA	ND(0.71)	ND(1.4)	ND(2.9) [ND(2.9)]
Chrysene	NA	ND(0.71)	10	ND(2.9) [ND(2.9)]
Dibenzo(a,h)anthracene	NA	ND(0.71)	1.6	ND(2.9) [ND(2.9)]
Dibenzofuran	NA	ND(0.71)	0.70 J	ND(2.9) [ND(2.9)]
Diethylphthalate	NA	ND(0.71)	ND(1.4)	ND(2.9) [ND(2.9)]
Di-n-Butylphthalate	NA	ND(0.71)	ND(1.4)	ND(2.9) [ND(2.9)]
Fluoranthene	NA	ND(0.71)	19	ND(2.9) [ND(2.9)]
Fluorene	NA	ND(0.71)	1.4	ND(2.9) [ND(2.9)]
Hexachlorobenzene	NA	ND(0.71)	ND(1.4)	ND(2.9) [ND(2.9)]
Indeno(1,2,3-cd)pyrene	NA	ND(0.71)	4.2	ND(2.9) [ND(2.9)]
Isophorone	NA	ND(0.71)	ND(1.4)	ND(2.9) [ND(2.9)]
Naphthalene	NA	ND(0.71)	0.27 J	ND(2.9) [ND(2.9)]
Pentachlorobenzene	NA	ND(0.71)	ND(1.4)	ND(2.9) [ND(2.9)]
Pentachlorophenol	NA	ND(3.5)	ND(7.0)	ND(14) [ND(14)]
Phenanthrene	NA	ND(0.71)	13	ND(2.9) [ND(2.9)]
Phenol	NA	ND(0.71)	ND(1.4)	ND(2.9) [ND(2.9)]
Pyrene	NA	ND(0.71)	16	ND(2.9) [ND(2.9)]

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-A26 4-6 03/03/03	RAA15-B7 0-1 02/25/03	RAA15-B11 0-1 02/25/03	RAA15-B15 0-1 02/25/03
Furans				
2,3,7,8-TCDF	NA	ND(0.00000045) X	ND(0.00014) XJ	ND(0.000088) X [ND(0.000090) X]
TCDFs (total)	NA	ND(0.000047) X	ND(0.0011) X	ND(0.00071) X [ND(0.00081) X]
1,2,3,7,8-PeCDF	NA	0.0000017 J	0.00014 J	0.000096 [0.000086]
2,3,4,7,8-PeCDF	NA	ND(0.000035) X	0.00018	0.00012 [0.00011]
PeCDFs (total)	NA	ND(0.00022) X	ND(0.0031) XQJ	ND(0.0018) X [ND(0.0016) X]
1,2,3,4,7,8-HxCDF	NA	0.0000096	0.00075	ND(0.00057) X [ND(0.00049) X]
1,2,3,6,7,8-HxCDF	NA	ND(0.0000012) X	ND(0.00044) XJ	0.000096 [0.000093]
1,2,3,7,8,9-HxCDF	NA	ND(0.00000036)	0.000045 J	0.000020 J [0.000016 J]
2,3,4,6,7,8-HxCDF	NA	ND(0.00000021) X	0.000069	0.000038 J [0.000035]
HxCDFs (total)	NA	ND(0.00026) X	ND(0.0029) X	ND(0.0016) X [ND(0.0015) X]
1,2,3,4,6,7,8-HpCDF	NA	0.000079	0.00065	0.00042 [0.00032]
1,2,3,4,7,8,9-HpCDF	NA	ND(0.0000013) X	0.00044	0.00022 [0.00016]
HpCDFs (total)	NA	ND(0.000084) X	0.0017	0.00095 [ND(0.00072) X]
OCDF	NA	0.0000081 J	0.0015	0.00084 [0.00052]
Dioxins				
2,3,7,8-TCDD	NA	ND(0.00000036)	ND(0.0000016) X	ND(0.0000014) [ND(0.0000015)]
TCDDs (total)	NA	ND(0.00000036)	ND(0.0000053) X	0.0000020 J [ND(0.0000020) X]
1,2,3,7,8-PeCDD	NA	ND(0.00000054)	ND(0.0000053) X	ND(0.0000026) X [ND(0.0000027) X]
PeCDDs (total)	NA	ND(0.0000028) X	ND(0.000052) X	ND(0.000020) X [ND(0.000040) X]
1,2,3,4,7,8-HxCDD	NA	ND(0.00000034)	ND(0.0000026) X	ND(0.0000033) X [ND(0.0000039) X]
1,2,3,6,7,8-HxCDD	NA	ND(0.00000032)	ND(0.0000072)	ND(0.0000049) X [ND(0.0000043)]
1,2,3,7,8,9-HxCDD	NA	ND(0.00000033)	ND(0.0000074)	ND(0.0000055) [ND(0.0000050) X]
HxCDDs (total)	NA	ND(0.0000081) X	ND(0.000078) X	ND(0.000053) X [ND(0.000052) X]
1,2,3,4,6,7,8-HpCDD	NA	0.0000018 J	0.000040 J	0.000024 J [0.000020 J]
HpCDDs (total)	NA	ND(0.0000035) X	0.000083 J	0.000050 J [0.000044 J]
OCDD	NA	0.000015 J	0.00026 J	0.00013 J [0.000083 J]
Total TEQs (WHO TEFs)	NA	0.000011	0.00023	0.00012 [0.00011]
Inorganics				
Antimony	NA	ND(6.50)	ND(6.50)	ND(6.50) [ND(6.70)]
Arsenic	NA	6.70	3.40	2.30 [2.90]
Barium	NA	15.3 J	27.2 J	17.5 J [25.9 J]
Beryllium	NA	0.300 B	0.300 B	0.310 B [0.260 B]
Cadmium	NA	ND(0.540)	0.110 B	ND(0.540) [ND(0.550)]
Chromium	NA	11.7 J	7.30 J	4.70 J [7.90 J]
Cobalt	NA	12.0	4.50 B	4.60 B [5.10 B]
Copper	NA	25.2 J	31.5 J	20.9 J [25.6 J]
Cyanide	NA	ND(0.540)	ND(0.540)	ND(0.540) [ND(0.200)]
Lead	NA	11.5 J	34.4 J	15.5 J [27.8 J]
Mercury	NA	0.0200 B	0.130	0.0400 [0.0550]
Nickel	NA	20.5	9.90	8.60 [10.3]
Selenium	NA	ND(0.540)	ND(0.540)	ND(0.540) [ND(0.550)]
Silver	NA	ND(1.10)	ND(1.10)	ND(1.10) [ND(1.10)]
Thallium	NA	0.950 B	ND(1.10)	ND(1.10) [ND(1.10)]
Tin	NA	ND(3.40)	ND(4.50)	ND(4.20) [ND(5.60)]
Vanadium	NA	11.9	7.50	26.2 [22.1]
Zinc	NA	61.1	51.7	31.5 [48.5]

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-B18 0-1 02/25/03	RAA15-B21 0-1 03/03/03	RAA15-B22 1-3 02/28/03	RAA15-B24 0-1 03/03/03
Volatile Organics				
2-Butanone	ND(0.0059) J	ND(0.0051) J	ND(0.0055) J	ND(0.0086) J [ND(0.0081) J]
Acetone	ND(0.024) J	ND(0.020)	ND(0.022) J	ND(0.034) [ND(0.033)]
Benzene	ND(0.0059)	ND(0.0051)	ND(0.0055)	ND(0.0086) [ND(0.0081)]
Carbon Disulfide	ND(0.0059)	ND(0.0051)	ND(0.0055)	ND(0.0086) [ND(0.0081)]
Chloroform	ND(0.0059)	ND(0.0051)	ND(0.0055)	ND(0.0086) [ND(0.0081)]
Ethylbenzene	ND(0.0059)	ND(0.0051)	ND(0.0055)	ND(0.0086) [ND(0.0081)]
Methylene Chloride	ND(0.0059)	0.0018 J	ND(0.0055)	0.0034 J [0.0037 J]
Toluene	ND(0.0059)	ND(0.0051)	ND(0.0055)	ND(0.0086) [ND(0.0081)]
trans-1,2-Dichloroethene	ND(0.0059)	ND(0.0051)	ND(0.0055)	ND(0.0086) [ND(0.0081)]
Trichloroethene	ND(0.0059)	ND(0.0051)	ND(0.0055)	ND(0.0086) [ND(0.0081)]
Vinyl Chloride	ND(0.012)	ND(0.010)	ND(0.011)	ND(0.017) [ND(0.016)]
Xylenes (total)	ND(0.0059)	ND(0.0051)	ND(0.0055)	ND(0.0086) [ND(0.0081)]
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(1.7)	ND(1.5)	ND(0.39)	ND(0.45) [ND(0.44)]
1,2,4-Trichlorobenzene	ND(1.7)	ND(1.5)	ND(0.39)	ND(0.45) [ND(0.44)]
1,4-Dichlorobenzene	ND(1.7)	ND(1.5)	ND(0.39)	ND(0.45) [ND(0.44)]
1,4-Naphthoquinone	ND(8.2)	ND(7.1)	ND(1.9)	ND(2.2) [ND(2.1)]
2-Methylnaphthalene	0.23 J	ND(1.5)	ND(0.39)	0.12 J [0.053 J]
3&4-Methylphenol	ND(3.4)	ND(2.9)	ND(0.77)	ND(0.91) [ND(0.88)]
3,3'-Dichlorobenzidine	ND(8.2)	ND(7.1)	ND(1.9)	ND(2.2) [ND(2.1)]
3-Methylcholanthrene	ND(8.2)	ND(7.1)	ND(1.9)	ND(2.2) [ND(2.1)]
Acenaphthene	0.27 J	0.24 J	ND(0.39)	0.052 J [0.038 J]
Acenaphthylene	0.94 J	0.47 J	ND(0.39)	0.095 J [0.099 J]
Aniline	1.4 J	ND(1.5)	ND(0.39)	ND(0.45) [ND(0.44)]
Anthracene	0.96 J	0.76 J	ND(0.39)	0.13 J [0.13 J]
Benzo(a)anthracene	2.6	1.8	ND(0.39)	0.38 J [0.39 J]
Benzo(a)pyrene	2.9	1.9	ND(0.39)	0.46 [0.46]
Benzo(b)fluoranthene	3.0	1.7	ND(0.39)	0.49 [0.55]
Benzo(g,h,i)perylene	1.1 J	0.64 J	ND(0.39)	0.17 J [0.11 J]
Benzo(k)fluoranthene	3.2	2.0	ND(0.39)	0.46 [0.54]
bis(2-Ethylhexyl)phthalate	ND(1.7)	ND(1.5)	ND(0.39)	0.068 J [0.25 J]
Chrysene	3.1	2.1	ND(0.39)	0.50 [0.55]
Dibenzo(a,h)anthracene	0.32 J	0.23 J	ND(0.39)	ND(0.45) [ND(0.44)]
Dibenzofuran	0.20 J	0.16 J	ND(0.39)	ND(0.45) [ND(0.44)]
Diethylphthalate	ND(1.7)	ND(1.5)	ND(0.39)	ND(0.45) [ND(0.44)]
Di-n-Butylphthalate	ND(1.7)	ND(1.5)	ND(0.39)	ND(0.45) [ND(0.44)]
Fluoranthene	6.6	4.6	ND(0.39)	0.94 [1.2]
Fluorene	0.38 J	0.38 J	ND(0.39)	0.057 J [0.058 J]
Hexachlorobenzene	ND(1.7)	ND(1.5)	ND(0.39)	ND(0.45) [ND(0.44)]
Indeno(1,2,3-cd)pyrene	1.2 J	0.76 J	ND(0.39)	0.19 J [0.14 J]
Isophorone	ND(1.7)	ND(1.5)	ND(0.39)	ND(0.45) [ND(0.44)]
Naphthalene	0.38 J	0.13 J	ND(0.39)	0.065 J [0.041 J]
Pentachlorobenzene	ND(1.7)	ND(1.5)	ND(0.39)	ND(0.45) [ND(0.44)]
Pentachlorophenol	ND(8.2)	ND(7.1)	ND(1.9)	ND(2.2) [ND(2.1)]
Phenanthrene	3.5	3.1	ND(0.39)	0.61 [0.69]
Phenol	0.33 J	ND(1.5)	ND(0.39)	ND(0.45) [ND(0.44)]
Pyrene	4.7	2.9	ND(0.39)	0.65 [0.65]

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA15-B18 0-1 02/25/03	RAA15-B21 0-1 03/03/03	RAA15-B22 1-3 02/28/03	RAA15-B24 0-1 03/03/03
Furans				
2,3,7,8-TCDF	ND(0.000027) X	ND(0.00000054) X	ND(0.00000018)	0.0000054 J [ND(0.0000070) X]
TCDFs (total)	ND(0.00026) X	ND(0.0000031) X	ND(0.00000018)	ND(0.000032) X [ND(0.000042) X]
1,2,3,7,8-PeCDF	0.000012 J	ND(0.00000011)	ND(0.00000010)	0.0000016 J [0.0000021 J]
2,3,4,7,8-PeCDF	0.000023 J	0.00000026 J	ND(0.000000096)	ND(0.0000017) X [0.0000022 J]
PeCDFs (total)	ND(0.00060) X	ND(0.0000091) X	ND(0.000000099)	ND(0.000033) X [ND(0.000048) X]
1,2,3,4,7,8-HxCDF	0.000041 J	0.00000028 J	0.00000011 J	0.00000028 J [0.0000025 J]
1,2,3,6,7,8-HxCDF	ND(0.000054) X	ND(0.00000080) X	ND(0.00000013) X	ND(0.0000036) X [ND(0.0000053) X]
1,2,3,7,8,9-HxCDF	ND(0.0000014) X	ND(0.000000081)	ND(0.000000081)	ND(0.00000040) [ND(0.000000066)]
2,3,4,6,7,8-HxCDF	0.000015 J	0.00000024 J	ND(0.000000073)	0.0000010 J [0.0000011 J]
HxCDFs (total)	ND(0.00051) X	ND(0.0000071) XQJ	ND(0.00000024) X	ND(0.000026) X [ND(0.000042) X]
1,2,3,4,6,7,8-HpCDF	0.000065	0.00000099 J	ND(0.000000092)	0.000011 J [0.000020]
1,2,3,4,7,8,9-HpCDF	0.000018 J	ND(0.00000012)	ND(0.00000011)	ND(0.00000046) [ND(0.00000068) X]
HpCDFs (total)	ND(0.00020) X	ND(0.0000027) X	ND(0.00000010)	0.000021 J [ND(0.000038) X]
OCDF	0.00012 J	ND(0.0000017)	0.00000033 J	ND(0.000010) [0.000020]
Dioxins				
2,3,7,8-TCDD	ND(0.0000014)	ND(0.00000024)	ND(0.00000024)	ND(0.0000011) [ND(0.00000074) X]
TCDDs (total)	ND(0.0000022) X	ND(0.00000024)	ND(0.00000024)	ND(0.0000011) [ND(0.0000018) X]
1,2,3,7,8-PeCDD	ND(0.0000023) X	ND(0.00000011)	ND(0.00000012)	ND(0.00000059) [ND(0.00000026) X]
PeCDDs (total)	ND(0.0000083) X	ND(0.00000011)	ND(0.00000012)	ND(0.00000059) [ND(0.0000024) X]
1,2,3,4,7,8-HxCDD	ND(0.0000024) X	0.00000013 J	ND(0.00000016)	0.00000013 J [ND(0.00000026) X]
1,2,3,6,7,8-HxCDD	ND(0.0000052) X	ND(0.00000022) X	ND(0.00000015)	ND(0.00000049) [0.00000088 J]
1,2,3,7,8,9-HxCDD	ND(0.0000044) X	0.00000031 J	ND(0.00000015)	ND(0.00000051) [0.00000067 J]
HxCDDs (total)	ND(0.000061) X	ND(0.0000014) X	ND(0.00000015)	ND(0.0000032) X [ND(0.0000077) X]
1,2,3,4,6,7,8-HpCDD	0.00014	0.0000026 J	ND(0.00000014)	0.0000094 J [0.000017]
HpCDDs (total)	0.00053	0.0000053 J	ND(0.00000018) X	0.000019 J [ND(0.000034) X]
OCDD	0.0011 J	ND(0.000017)	ND(0.0000012) X	0.000079 J [0.00017 QJ]
Total TEQs (WHO TEFs)	0.000027	0.00000052	0.00000027	0.0000025 [0.0000032]
Inorganics				
Antimony	0.580 B	ND(6.70) J	ND(7.00) J	ND(8.20) J [ND(8.00) J]
Arsenic	4.50	2.40	2.80	5.00 [4.90]
Barium	38.1 J	20.6 B	24.7	56.0 [54.1]
Beryllium	0.550 B	ND(0.400)	0.400 B	ND(0.620) [ND(0.650)]
Cadmium	0.290 B	ND(0.560)	ND(0.590)	0.280 B [0.170 B]
Chromium	12.6 J	6.30	7.60	38.5 [34.6]
Cobalt	7.70	6.00	6.80	8.10 [8.80]
Copper	33.2 J	13.1	12.2	66.2 [64.4]
Cyanide	ND(0.310)	ND(0.560)	ND(0.590)	0.250 B [ND(0.670)]
Lead	181 J	17.8 J	5.20	96.4 J [86.2 J]
Mercury	0.110	0.0290 B	ND(0.0390)	0.250 [0.250]
Nickel	14.2	10.1	12.2	26.7 [27.2]
Selenium	ND(0.640)	ND(0.560)	0.650	0.720 [ND(0.670)]
Silver	ND(1.30)	ND(1.10)	ND(1.20)	0.300 B [0.150 B]
Thallium	ND(1.30)	ND(1.10) J	ND(1.20) J	ND(1.40) J [ND(1.30) J]
Tin	ND(7.00)	ND(3.80)	ND(11.7)	ND(7.60) [ND(7.10)]
Vanadium	20.7	8.10	9.20	17.8 [15.6]
Zinc	127	43.0	41.3 J	126 [109]

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA15-C4 0-1 03/07/03	RAA15-C4 3-6 03/07/03	RAA15-C4 4-6 03/07/03
Volatile Organics			
2-Butanone	ND(0.0050) J	NA	ND(0.0058) J [ND(0.0057) J]
Acetone	ND(0.020) J	NA	ND(0.023) J [ND(0.023) J]
Benzene	ND(0.0050)	NA	ND(0.0058) [ND(0.0057)]
Carbon Disulfide	ND(0.0050)	NA	ND(0.0058) [ND(0.0057)]
Chloroform	ND(0.0050)	NA	ND(0.0058) [ND(0.0057)]
Ethylbenzene	ND(0.0050)	NA	ND(0.0058) [ND(0.0057)]
Methylene Chloride	ND(0.0050)	NA	ND(0.0058) [ND(0.0057)]
Toluene	ND(0.0050)	NA	ND(0.0058) [ND(0.0057)]
trans-1,2-Dichloroethene	ND(0.0050)	NA	ND(0.0058) [ND(0.0057)]
Trichloroethene	ND(0.0050)	NA	0.0015 J [0.0046 J]
Vinyl Chloride	ND(0.010)	NA	ND(0.012) [ND(0.011)]
Xylenes (total)	ND(0.0050)	NA	ND(0.0058) [ND(0.0057)]
Semivolatile Organics			
1,2,4,5-Tetrachlorobenzene	ND(0.39)	ND(0.38) [ND(0.37)]	NA
1,2,4-Trichlorobenzene	ND(0.39)	ND(0.38) [ND(0.37)]	NA
1,4-Dichlorobenzene	ND(0.39)	ND(0.38) [ND(0.37)]	NA
1,4-Naphthoquinone	ND(1.9)	ND(1.8) [ND(1.8)]	NA
2-Methylnaphthalene	0.046 J	0.031 J [0.024 J]	NA
3&4-Methylphenol	ND(0.77)	ND(0.76) [ND(0.75)]	NA
3,3'-Dichlorobenzidine	ND(1.9)	ND(1.8) [ND(1.8)]	NA
3-Methylcholanthrene	ND(1.9)	ND(1.8) [ND(1.8)]	NA
Acenaphthene	ND(0.39)	ND(0.38) [0.048 J]	NA
Acenaphthylene	0.31 J	0.11 J [0.075 J]	NA
Aniline	ND(0.39)	ND(0.38) [ND(0.37)]	NA
Anthracene	0.19 J	0.082 J [0.14 J]	NA
Benzo(a)anthracene	1.2	0.44 [0.41]	NA
Benzo(a)pyrene	1.3	0.50 [0.41]	NA
Benzo(b)fluoranthene	1.2	0.36 J [0.31 J]	NA
Benzo(g,h,i)perylene	0.94	0.33 J [0.24 J]	NA
Benzo(k)fluoranthene	1.0	0.43 [0.35 J]	NA
bis(2-Ethylhexyl)phthalate	ND(0.39)	ND(0.38) [ND(0.37)]	NA
Chrysene	1.4	0.51 [0.46]	NA
Dibenzo(a,h)anthracene	0.33 J	0.11 J [0.069 J]	NA
Dibenzofuran	ND(0.39)	ND(0.38) [ND(0.37)]	NA
Diethylphthalate	ND(0.39)	ND(0.38) [ND(0.37)]	NA
Di-n-Butylphthalate	ND(0.39)	ND(0.38) [ND(0.37)]	NA
Fluoranthene	1.7	0.71 [0.75]	NA
Fluorene	ND(0.39)	ND(0.38) [0.044 J]	NA
Hexachlorobenzene	ND(0.39)	ND(0.38) [ND(0.37)]	NA
Indeno(1,2,3-cd)pyrene	1.0	0.35 J [0.26 J]	NA
Isophorone	ND(0.39)	ND(0.38) [ND(0.37)]	NA
Naphthalene	0.062 J	0.050 J [0.032 J]	NA
Pentachlorobenzene	ND(0.39)	ND(0.38) [ND(0.37)]	NA
Pentachlorophenol	ND(1.9)	ND(1.8) [ND(1.8)]	NA
Phenanthrene	0.95	0.34 J [0.51]	NA
Phenol	ND(0.39)	ND(0.38) [ND(0.37)]	NA
Pyrene	1.8	0.82 [0.71]	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA15-C4 0-1 03/07/03	RAA15-C4 3-6 03/07/03	RAA15-C4 4-6 03/07/03
Furans			
2,3,7,8-TCDF	ND(0.0000022) X	ND(0.0000074) X [ND(0.0000079) X]	NA
TCDFs (total)	ND(0.000041) X	ND(0.000087) X [ND(0.000098) X]	NA
1,2,3,7,8-PeCDF	0.0000013 J	0.0000022 J [ND(0.0000028) X]	NA
2,3,4,7,8-PeCDF	0.0000015 J	0.0000026 J [ND(0.0000026) X]	NA
PeCDFs (total)	ND(0.00010) X	ND(0.000097) XQJ [ND(0.00014) X]	NA
1,2,3,4,7,8-HxCDF	0.0000027 J	0.0000041 J [0.0000032 J]	NA
1,2,3,6,7,8-HxCDF	ND(0.000015) X	ND(0.000011) X [0.0000019 J]	NA
1,2,3,7,8,9-HxCDF	ND(0.00000015)	0.00000014 J [0.00000018 J]	NA
2,3,4,6,7,8-HxCDF	0.0000010 J	ND(0.0000014) X [ND(0.0000020) X]	NA
HxCDFs (total)	ND(0.000069) XQJ	ND(0.000059) XQJ [ND(0.000079) XQJ]	NA
1,2,3,4,6,7,8-HpCDF	0.0000037 J	0.0000054 J [0.0000079]	NA
1,2,3,4,7,8,9-HpCDF	ND(0.00000088) X	0.0000011 J [0.0000013 J]	NA
HpCDFs (total)	ND(0.0000097) X	ND(0.000011) X [ND(0.000018) X]	NA
OCDF	ND(0.0000031)	ND(0.0000040) [0.0000043 J]	NA
Dioxins			
2,3,7,8-TCDD	ND(0.00000034)	0.00000085 J [ND(0.00000027)]	NA
TCDDs (total)	ND(0.00000074) X	ND(0.000067) X [ND(0.000016) X]	NA
1,2,3,7,8-PeCDD	ND(0.00000023)	0.0000025 J [0.00000069 J]	NA
PeCDDs (total)	ND(0.0000014) X	ND(0.000039) XQJ [ND(0.000013) X]	NA
1,2,3,4,7,8-HxCDD	ND(0.00000025)	0.0000016 J [ND(0.00000038) X]	NA
1,2,3,6,7,8-HxCDD	ND(0.00000024)	0.0000012 J [0.00000066 J]	NA
1,2,3,7,8,9-HxCDD	ND(0.00000025)	ND(0.0000012) XQJ [ND(0.00000059) XQJ]	NA
HxCDDs (total)	ND(0.0000025) X	ND(0.000020) XQJ [ND(0.000011) XQJ]	NA
1,2,3,4,6,7,8-HpCDD	0.0000010 QJ	0.0000038 J [0.0000027 QJ]	NA
HpCDDs (total)	0.0000023 QJ	0.0000092 J [0.0000075 QJ]	NA
OCDD	0.0000071 J	0.000010 QJ [0.000012 QJ]	NA
Total TEQs (WHO TEFs)	0.0000024	0.0000066 [0.0000028]	NA
Inorganics			
Antimony	ND(7.00)	0.520 B [ND(6.80)]	NA
Arsenic	5.60	12.4 [8.50]	NA
Barium	29.5	65.6 [71.0]	NA
Beryllium	ND(0.550)	0.670 [0.590]	NA
Cadmium	ND(0.590)	ND(0.580) [ND(0.0520)]	NA
Chromium	8.20	9.20 [7.00]	NA
Cobalt	8.80	9.20 [6.00]	NA
Copper	37.1 J	53.6 J [35.5 J]	NA
Cyanide	0.220 B	ND(0.580) [ND(0.570)]	NA
Lead	64.9 J	28.6 J [75.0 J]	NA
Mercury	0.540	1.30 [1.40]	NA
Nickel	15.0 J	17.3 J [12.4 J]	NA
Selenium	ND(0.590)	ND(0.580) [ND(0.570)]	NA
Silver	ND(1.20)	ND(1.20) [ND(1.10)]	NA
Thallium	ND(1.20)	0.700 B [ND(1.10)]	NA
Tin	20.6	ND(8.00) [ND(6.80)]	NA
Vanadium	10.4	14.7 [10.6]	NA
Zinc	61.8	74.2 [107]	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-C6 0-1 03/06/03	RAA15-C6 1-3 03/06/03	RAA15-C6 3-6 03/06/03	RAA15-C6 4-6 03/06/03	RAA15-C8 6-8 02/26/03
Volatile Organics					
2-Butanone	ND(0.0076)	ND(0.0059)	NA	ND(0.0053)	ND(0.0053) J
Acetone	ND(0.031) J	ND(0.023) J	NA	ND(0.021) J	ND(0.021) J
Benzene	ND(0.0076)	ND(0.0059)	NA	ND(0.0053)	ND(0.0053)
Carbon Disulfide	ND(0.0076)	ND(0.0059)	NA	ND(0.0053)	ND(0.0053)
Chloroform	ND(0.0076)	ND(0.0059)	NA	ND(0.0053)	ND(0.0053)
Ethylbenzene	ND(0.0076)	ND(0.0059)	NA	ND(0.0053)	ND(0.0053)
Methylene Chloride	ND(0.0076)	ND(0.0059)	NA	ND(0.0053)	0.0023 J
Toluene	ND(0.0076)	ND(0.0059)	NA	ND(0.0053)	0.0012 J
trans-1,2-Dichloroethene	ND(0.0076)	ND(0.0059)	NA	ND(0.0053)	ND(0.0053)
Trichloroethene	ND(0.0076)	ND(0.0059)	NA	ND(0.0053)	ND(0.0053)
Vinyl Chloride	ND(0.015)	ND(0.012)	NA	ND(0.011)	ND(0.011)
Xylenes (total)	ND(0.0076)	ND(0.0059)	NA	ND(0.0053)	ND(0.0053)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(27)	0.69	ND(1.6)	NA	NA
1,2,4-Trichlorobenzene	ND(27)	0.040 J	ND(1.6)	NA	NA
1,4-Dichlorobenzene	ND(27)	ND(0.40)	ND(1.6)	NA	NA
1,4-Naphthoquinone	ND(130)	ND(2.0)	ND(7.7)	NA	NA
2-Methylnaphthalene	ND(27)	0.055 J	0.098 J	NA	NA
3&4-Methylphenol	ND(53)	ND(0.81)	ND(3.2)	NA	NA
3,3'-Dichlorobenzidine	ND(130)	ND(2.0)	ND(7.7)	NA	NA
3-Methylcholanthrene	ND(130)	ND(2.0)	ND(7.7)	NA	NA
Acenaphthene	ND(27)	0.055 J	ND(1.6)	NA	NA
Acenaphthylene	ND(27)	0.13 J	0.88 J	NA	NA
Aniline	ND(27)	ND(0.40)	ND(1.6)	NA	NA
Anthracene	ND(27)	0.21 J	0.49 J	NA	NA
Benzo(a)anthracene	ND(27)	0.64	2.1	NA	NA
Benzo(a)pyrene	ND(27)	0.65	2.3	NA	NA
Benzo(b)fluoranthene	ND(27)	0.60	2.2	NA	NA
Benzo(g,h,i)perylene	ND(27)	0.25 J	0.92 J	NA	NA
Benzo(k)fluoranthene	ND(27)	0.63	2.2	NA	NA
bis(2-Ethylhexyl)phthalate	ND(27)	0.11 J	ND(1.6)	NA	NA
Chrysene	ND(27)	0.73	2.6	NA	NA
Dibenzo(a,h)anthracene	ND(27)	0.10 J	0.35 J	NA	NA
Dibenzofuran	ND(27)	0.053 J	ND(1.6)	NA	NA
Diethylphthalate	ND(27)	ND(0.40)	ND(1.6)	NA	NA
Di-n-Butylphthalate	ND(27)	ND(0.40)	ND(1.6)	NA	NA
Fluoranthene	ND(27)	1.3	4.8	NA	NA
Fluorene	ND(27)	0.072 J	ND(1.6)	NA	NA
Hexachlorobenzene	ND(27)	ND(0.40)	ND(1.6)	NA	NA
Indeno(1,2,3-cd)pyrene	ND(27)	0.31 J	1.2 J	NA	NA
Isophorone	ND(27)	0.28 J	ND(1.6)	NA	NA
Naphthalene	ND(27)	0.065 J	0.12 J	NA	NA
Pentachlorobenzene	ND(27)	ND(0.40)	ND(1.6)	NA	NA
Pentachlorophenol	ND(130)	ND(2.0)	ND(7.7)	NA	NA
Phenanthrene	ND(27)	0.87	2.3	NA	NA
Phenol	ND(27)	ND(0.40)	ND(1.6)	NA	NA
Pyrene	ND(27)	1.0	3.4	NA	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-C6 0-1 03/06/03	RAA15-C6 1-3 03/06/03	RAA15-C6 3-6 03/06/03	RAA15-C6 4-6 03/06/03	RAA15-C8 6-8 02/26/03
Furans					
2,3,7,8-TCDF	ND(0.00018) X	ND(0.000086) X	ND(0.000059) X	NA	NA
TCDFs (total)	ND(0.0012) XQJ	ND(0.00062) XQJ	ND(0.00071) X	NA	NA
1,2,3,7,8-PeCDF	0.00018	0.000065	0.000018	NA	NA
2,3,4,7,8-PeCDF	0.00015	0.000064	0.000023	NA	NA
PeCDFs (total)	ND(0.0017) X	ND(0.00096) X	ND(0.0015) X	NA	NA
1,2,3,4,7,8-HxCDF	0.00039	0.00016	0.000028	NA	NA
1,2,3,6,7,8-HxCDF	ND(0.00020) X	0.000064	ND(0.00022) X	NA	NA
1,2,3,7,8,9-HxCDF	0.000021	0.0000044 J	0.0000013 J	NA	NA
2,3,4,6,7,8-HxCDF	0.000039	0.000022	0.000014	NA	NA
HxCDFs (total)	ND(0.0013) X	ND(0.00072) X	ND(0.0011) X	NA	NA
1,2,3,4,6,7,8-HpCDF	0.00027	0.00012	0.000070	NA	NA
1,2,3,4,7,8,9-HpCDF	0.000092	0.000034	0.0000099	NA	NA
HpCDFs (total)	ND(0.00048) X	ND(0.00022) X	ND(0.00018) X	NA	NA
OCDF	0.00021	0.000087	0.000043	NA	NA
Dioxins					
2,3,7,8-TCDD	ND(0.00000079) X	ND(0.00000041) X	ND(0.00000071) X	NA	NA
TCDDs (total)	ND(0.000017) X	ND(0.000011) X	ND(0.000021) X	NA	NA
1,2,3,7,8-PeCDD	ND(0.000014) X	ND(0.0000056) X	ND(0.0000025) X	NA	NA
PeCDDs (total)	ND(0.000055) X	ND(0.000026) X	ND(0.000027) X	NA	NA
1,2,3,4,7,8-HxCDD	0.0000023 J	ND(0.0000012) X	0.0000018 J	NA	NA
1,2,3,6,7,8-HxCDD	0.0000042 J	0.0000028 J	0.0000041 J	NA	NA
1,2,3,7,8,9-HxCDD	ND(0.0000026) XQJ	ND(0.0000022) X	0.0000038 QJ	NA	NA
HxCDDs (total)	ND(0.000093) XQJ	ND(0.000047) X	ND(0.000050) XQJ	NA	NA
1,2,3,4,6,7,8-HpCDD	0.000031	0.000028	0.000029	NA	NA
HpCDDs (total)	0.000065	0.000064	0.000059	NA	NA
OCDD	0.00016 QJ	0.00027 QJ	0.00019	NA	NA
Total TEQs (WHO TEFs)	0.00016	0.000070	0.000034	NA	NA
Inorganics					
Antimony	0.520 B	0.790 B	2.20 B	NA	NA
Arsenic	4.30	7.00	7.20	NA	NA
Barium	79.1	101	125	NA	NA
Beryllium	0.300 B	0.390 B	0.380 B	NA	NA
Cadmium	0.490 B	0.130 B	0.500 B	NA	NA
Chromium	9.70	8.30	12.5	NA	NA
Cobalt	4.90 B	4.40 B	4.90 B	NA	NA
Copper	33.5	38.5	50.6	NA	NA
Cyanide	0.550 B	0.220 B	0.290 B	NA	NA
Lead	188	98.2	220	NA	NA
Mercury	0.700	0.190	2.70	NA	NA
Nickel	10.7	10.3	13.2	NA	NA
Selenium	ND(0.670)	ND(0.610)	ND(0.600)	NA	NA
Silver	ND(1.30)	ND(1.20)	ND(1.20)	NA	NA
Thallium	ND(1.30)	ND(1.20)	1.00 B	NA	NA
Tin	ND(7.40)	ND(9.20)	ND(13.0)	NA	NA
Vanadium	14.9	15.6	19.0	NA	NA
Zinc	688	68.7	133	NA	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA15-C8 6-10 02/26/03	RAA15-C11 1-3 02/21/03	RAA15-C17 0-1 02/25/03	RAA15-C18 1-3 02/26/03	RAA15-C18 3-6 02/26/03
Volatile Organics					
2-Butanone	NA	ND(0.0045)	ND(0.0051) J	ND(0.0049) J	NA
Acetone	NA	ND(0.018)	ND(0.020) J	ND(0.019) J	NA
Benzene	NA	ND(0.0045)	ND(0.0051)	ND(0.0049)	NA
Carbon Disulfide	NA	0.00069 J	ND(0.0051)	ND(0.0049)	NA
Chloroform	NA	ND(0.0045)	ND(0.0051)	ND(0.0049)	NA
Ethylbenzene	NA	ND(0.0045)	ND(0.0051)	ND(0.0049)	NA
Methylene Chloride	NA	ND(0.0045)	ND(0.0051)	0.0027 J	NA
Toluene	NA	ND(0.0045)	ND(0.0051)	0.0014 J	NA
trans-1,2-Dichloroethene	NA	ND(0.0045)	ND(0.0051)	ND(0.0049)	NA
Trichloroethene	NA	ND(0.0045)	ND(0.0051)	ND(0.0049)	NA
Vinyl Chloride	NA	ND(0.0030)	ND(0.010)	ND(0.0097)	NA
Xylenes (total)	NA	ND(0.0045)	ND(0.0051)	ND(0.0049)	NA
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.35)	ND(7.7)	ND(1.6)	ND(0.39)	ND(0.44)
1,2,4-Trichlorobenzene	ND(0.35)	ND(7.7)	ND(1.6)	0.12 J	ND(0.44)
1,4-Dichlorobenzene	ND(0.35)	ND(7.7)	ND(1.6)	ND(0.39)	ND(0.44)
1,4-Naphthoquinone	ND(1.7)	ND(37)	ND(7.9)	ND(1.9)	ND(2.1)
2-Methylnaphthalene	ND(0.35)	2.0 J	ND(1.6)	ND(0.39)	ND(0.44)
3&4-Methylphenol	ND(0.71)	ND(15)	ND(3.3)	ND(0.78)	ND(0.87)
3,3'-Dichlorobenzidine	ND(1.7)	ND(37)	ND(7.9)	ND(1.9)	ND(2.1)
3-Methylcholanthrene	ND(1.7)	2.1 J	ND(7.9)	ND(1.9)	ND(2.1)
Acenaphthene	ND(0.35)	9.7	0.12 J	ND(0.39)	ND(0.44)
Acenaphthylene	ND(0.35)	0.65 J	0.38 J	0.11 J	0.099 J
Aniline	ND(0.35)	ND(7.7)	ND(1.6)	ND(0.39)	ND(0.44)
Anthracene	ND(0.35)	27	0.44 J	0.055 J	0.057 J
Benzo(a)anthracene	ND(0.35)	86	1.5 J	0.20 J	0.20 J
Benzo(a)pyrene	ND(0.35)	71	1.5 J	0.27 J	0.25 J
Benzo(b)fluoranthene	ND(0.35)	68	1.7	0.27 J	0.27 J
Benzo(g,h,i)perylene	ND(0.35)	21	0.53 J	0.099 J	0.088 J
Benzo(k)fluoranthene	ND(0.35)	37	1.8	0.28 J	0.30 J
bis(2-Ethylhexyl)phthalate	ND(0.35)	ND(7.7)	ND(1.6)	ND(0.39)	ND(0.44)
Chrysene	ND(0.35)	92	1.8	0.26 J	0.27 J
Dibenzo(a,h)anthracene	ND(0.35)	11	ND(1.6)	ND(0.39)	ND(0.44)
Dibenzofuran	ND(0.35)	6.2 J	ND(1.6)	ND(0.39)	ND(0.44)
Diethylphthalate	ND(0.35)	ND(7.7)	ND(1.6)	ND(0.39)	ND(0.44)
Di-n-Butylphthalate	ND(0.35)	ND(7.7)	ND(1.6)	ND(0.39)	ND(0.44)
Fluoranthene	ND(0.35)	190	4.2	0.46	0.52
Fluorene	ND(0.35)	13	ND(1.6)	ND(0.39)	ND(0.44)
Hexachlorobenzene	ND(0.35)	ND(7.7)	ND(1.6)	ND(0.39)	ND(0.44)
Indeno(1,2,3-cd)pyrene	ND(0.35)	26	0.65 J	0.11 J	0.11 J
Isophorone	ND(0.35)	ND(7.7)	ND(1.6)	ND(0.39)	ND(0.44)
Naphthalene	ND(0.35)	4.7 J	0.12 J	ND(0.39)	0.028 J
Pentachlorobenzene	ND(0.35)	ND(7.7)	ND(1.6)	ND(0.39)	ND(0.44)
Pentachlorophenol	ND(1.7)	ND(37)	ND(7.9)	ND(1.9)	ND(2.1)
Phenanthrene	ND(0.35)	120	1.7	0.17 J	0.21 J
Phenol	ND(0.35)	ND(7.7)	ND(1.6)	ND(0.39)	ND(0.44)
Pyrene	ND(0.35)	140	2.5	0.34 J	0.38 J

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-C8 6-10 02/26/03	RAA15-C11 1-3 02/21/03	RAA15-C17 0-1 02/25/03	RAA15-C18 1-3 02/26/03	RAA15-C18 3-6 02/26/03
Furans					
2,3,7,8-TCDF	0.00000074 J	ND(0.000038) X	ND(0.000016) X	ND(0.000027) X	ND(0.000014) X
TCDFs (total)	ND(0.0000079) X	ND(0.00071) X	ND(0.00015) X	ND(0.00020) X	ND(0.00010) X
1,2,3,7,8-PeCDF	ND(0.00000018)	0.000020 J	0.0000076 J	0.0000099 J	ND(0.0000051) X
2,3,4,7,8-PeCDF	ND(0.00000036) X	0.000030 J	0.000015 J	0.000012 J	ND(0.0000036) X
PeCDFs (total)	ND(0.000020) X	ND(0.0017) X	ND(0.00040) X	ND(0.00035) X	ND(0.000086) X
1,2,3,4,7,8-HxCDF	0.00000056 J	0.000085	0.000024 J	0.000037	0.0000057 J
1,2,3,6,7,8-HxCDF	ND(0.0000025) X	ND(0.00021) X	ND(0.000041) X	ND(0.000048) X	ND(0.000011) X
1,2,3,7,8,9-HxCDF	ND(0.00000012)	ND(0.0000044) X	ND(0.0000015)	ND(0.00000063)	ND(0.00000061)
2,3,4,6,7,8-HxCDF	0.00000029 J	0.000021 J	0.0000086 J	0.0000054 J	ND(0.0000015) X
HxCDFs (total)	ND(0.000017) X	ND(0.0014) X	ND(0.00035) X	ND(0.00029) X	ND(0.000072) X
1,2,3,4,6,7,8-HpCDF	ND(0.0000011) X	0.00012	0.000049 J	0.000084	0.000042 J
1,2,3,4,7,8,9-HpCDF	ND(0.00000016)	0.000047 J	0.000013 J	0.000031	ND(0.0000020) XJ
HpCDFs (total)	ND(0.0000023) X	0.00029	ND(0.00014) X	0.00021 J	ND(0.000083) XJ
OCDF	0.0000015 J	0.00017	0.000094 J	0.00025 J	0.000039 J
Dioxins					
2,3,7,8-TCDD	ND(0.00000035)	ND(0.0000014)	ND(0.0000011)	ND(0.0000012)	ND(0.0000016)
TCDDs (total)	ND(0.00000035)	ND(0.0000029) X	0.0000017 J	ND(0.0000012)	ND(0.0000016)
1,2,3,7,8-PeCDD	ND(0.00000019)	ND(0.0000047) X	ND(0.0000016) X	ND(0.0000013) X	ND(0.0000012)
PeCDDs (total)	ND(0.00000019)	ND(0.000036) X	ND(0.0000081) X	ND(0.0000060) X	ND(0.0000012)
1,2,3,4,7,8-HxCDD	ND(0.00000018)	ND(0.0000025) X	ND(0.0000022)	ND(0.0000021) X	ND(0.0000012)
1,2,3,6,7,8-HxCDD	ND(0.00000017)	0.0000055 J	ND(0.0000044) X	ND(0.0000020) X	ND(0.0000016) X
1,2,3,7,8,9-HxCDD	ND(0.00000018)	ND(0.0000040) X	ND(0.0000046) X	ND(0.0000022) X	ND(0.0000012)
HxCDDs (total)	ND(0.00000089) X	ND(0.000054) X	ND(0.000036) X	ND(0.000022) X	ND(0.0000087) X
1,2,3,4,6,7,8-HpCDD	ND(0.0000013) X	0.000076	0.000085	0.000030	0.000022 J
HpCDDs (total)	ND(0.00000056)	0.00014	0.00016	0.000056 J	0.000037 J
OCDD	0.0000092 J	0.00064	0.00062	0.00027	0.00026 J
Total TEQs (WHO TEFs)	0.00000069	0.000046	0.000018	0.000018	0.0000052
Inorganics					
Antimony	ND(6.40) J	ND(7.00)	ND(0.520)	ND(7.10) J	ND(8.00) J
Arsenic	2.20	4.30	5.90	5.30	5.20
Barium	14.4 B	50.1	47.6 J	75.0	66.4
Beryllium	ND(0.310)	0.0940 B	0.550 B	0.600	0.720
Cadmium	ND(0.530)	0.440 B	0.530 B	ND(0.120)	ND(0.660)
Chromium	4.20	8.90	18.9 J	21.2	31.6
Cobalt	5.20 B	6.00	8.60	8.40	9.00
Copper	8.60	51.7	52.0 J	28.3	30.5
Cyanide	0.200 B	0.200 B	ND(0.290)	ND(0.590)	0.310 B
Lead	4.50	37.8	128 J	31.8	52.0
Mercury	0.0170 B	0.250	0.140	0.220	0.270
Nickel	8.50 J	14.1	18.3	16.8 J	16.7 J
Selenium	ND(0.530) J	ND(0.580)	ND(0.620)	ND(0.590) J	0.390 B
Silver	ND(1.10)	0.210 B	ND(1.20)	ND(1.20)	ND(1.30)
Thallium	ND(1.10)	ND(1.20) J	ND(1.20)	ND(1.20)	ND(1.30)
Tin	ND(4.10)	ND(6.30)	ND(8.20)	ND(6.80)	ND(7.90)
Vanadium	ND(5.00)	10.5	24.4	17.6	16.4
Zinc	28.4	84.3	165	73.0	101

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA15-C18 4-6 02/26/03	RAA15-C18 6-10 02/26/03	RAA15-C18 8-10 02/26/03	RAA15-C19 0-1 02/27/03	RAA15-C20 6-10 03/04/03	RAA15-C20 8-10 03/04/03
Volatile Organics						
2-Butanone	ND(0.0063) J	NA	ND(0.0063) J	ND(0.013) J	NA	ND(0.0078) J
Acetone	ND(0.025) J	NA	ND(0.025) J	ND(0.053) J	NA	ND(0.031)
Benzene	ND(0.0063)	NA	ND(0.0063)	ND(0.013)	NA	ND(0.0078)
Carbon Disulfide	ND(0.0063)	NA	ND(0.0063)	ND(0.013)	NA	ND(0.0078)
Chloroform	ND(0.0063)	NA	ND(0.0063)	ND(0.013)	NA	ND(0.0078)
Ethylbenzene	ND(0.0063)	NA	ND(0.0063)	ND(0.013)	NA	ND(0.0078)
Methylene Chloride	0.0023 J	NA	0.0032 J	ND(0.013)	NA	0.0025 J
Toluene	0.0011 J	NA	0.0025 J	ND(0.013)	NA	ND(0.0078)
trans-1,2-Dichloroethene	ND(0.0063)	NA	ND(0.0063)	ND(0.013)	NA	ND(0.0078)
Trichloroethene	ND(0.0063)	NA	ND(0.0063)	ND(0.013)	NA	ND(0.0078)
Vinyl Chloride	ND(0.013)	NA	ND(0.013)	ND(0.027)	NA	ND(0.016)
Xylenes (total)	ND(0.0063)	NA	ND(0.0063)	ND(0.013)	NA	ND(0.0078)
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
1,2,4-Trichlorobenzene	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
1,4-Dichlorobenzene	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
1,4-Naphthoquinone	NA	ND(2.2)	NA	ND(2.3)	ND(2.7)	NA
2-Methylnaphthalene	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
3&4-Methylphenol	NA	ND(0.91)	NA	ND(0.95)	ND(1.1)	NA
3,3'-Dichlorobenzidine	NA	ND(2.2)	NA	ND(2.3)	ND(2.7)	NA
3-Methylcholanthrene	NA	ND(2.2)	NA	ND(2.3)	ND(2.7)	NA
Acenaphthene	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
Acenaphthylene	NA	ND(0.45)	NA	0.065 J	ND(0.55)	NA
Aniline	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
Anthracene	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
Benzo(a)anthracene	NA	ND(0.45)	NA	0.22 J	ND(0.55)	NA
Benzo(a)pyrene	NA	ND(0.45)	NA	0.27 J	ND(0.55)	NA
Benzo(b)fluoranthene	NA	ND(0.45)	NA	0.27 J	ND(0.55)	NA
Benzo(g,h,i)perylene	NA	ND(0.45)	NA	0.13 J	ND(0.55)	NA
Benzo(k)fluoranthene	NA	ND(0.45)	NA	0.25 J	ND(0.55)	NA
bis(2-Ethylhexyl)phthalate	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
Chrysene	NA	ND(0.45)	NA	0.31 J	ND(0.55)	NA
Dibenzo(a,h)anthracene	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
Dibenzofuran	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
Diethylphthalate	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
Di-n-Butylphthalate	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
Fluoranthene	NA	ND(0.45)	NA	0.49	ND(0.55)	NA
Fluorene	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
Hexachlorobenzene	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
Indeno(1,2,3-cd)pyrene	NA	ND(0.45)	NA	0.15 J	ND(0.55)	NA
Isophorone	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
Naphthalene	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
Pentachlorobenzene	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
Pentachlorophenol	NA	ND(2.2)	NA	ND(2.3)	ND(2.7)	NA
Phenanthrene	NA	ND(0.45)	NA	0.24 J	ND(0.55)	NA
Phenol	NA	ND(0.45)	NA	ND(0.47)	ND(0.55)	NA
Pyrene	NA	ND(0.45)	NA	0.39 J	ND(0.55)	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA15-C18 4-6 02/26/03	RAA15-C18 6-10 02/26/03	RAA15-C18 8-10 02/26/03	RAA15-C19 0-1 02/27/03	RAA15-C20 6-10 03/04/03	RAA15-C20 8-10 03/04/03
Furans						
2,3,7,8-TCDF	NA	ND(0.00000068)	NA	ND(0.0000066) X	ND(0.00000017)	NA
TCDFs (total)	NA	ND(0.00000068)	NA	ND(0.000049) X	ND(0.00000017)	NA
1,2,3,7,8-PeCDF	NA	ND(0.00000034)	NA	0.0000021 J	ND(0.000000093)	NA
2,3,4,7,8-PeCDF	NA	ND(0.00000033)	NA	0.0000021 J	ND(0.000000088)	NA
PeCDFs (total)	NA	ND(0.00000034)	NA	ND(0.000043) X	ND(0.000000091)	NA
1,2,3,4,7,8-HxCDF	NA	ND(0.00000022)	NA	0.0000034 J	ND(0.000000068)	NA
1,2,3,6,7,8-HxCDF	NA	ND(0.00000021)	NA	ND(0.0000057) X	ND(0.000000063)	NA
1,2,3,7,8,9-HxCDF	NA	ND(0.00000026)	NA	ND(0.00000041)	ND(0.000000080)	NA
2,3,4,6,7,8-HxCDF	NA	ND(0.00000024)	NA	ND(0.00000064) X	ND(0.000000073)	NA
HxCDFs (total)	NA	0.00000064 J	NA	ND(0.000038) X	0.000000094 J	NA
1,2,3,4,6,7,8-HpCDF	NA	0.00000082 J	NA	0.000016 J	0.00000032 J	NA
1,2,3,4,7,8,9-HpCDF	NA	ND(0.00000038)	NA	ND(0.00000059)	ND(0.00000011)	NA
HpCDFs (total)	NA	ND(0.0000016) X	NA	0.000030 J	ND(0.00000059) X	NA
OCDF	NA	0.0000015 J	NA	ND(0.000019)	ND(0.00000046) X	NA
Dioxins						
2,3,7,8-TCDD	NA	ND(0.00000095)	NA	ND(0.0000012)	ND(0.00000023)	NA
TCDDs (total)	NA	ND(0.00000095)	NA	ND(0.0000012)	ND(0.00000023)	NA
1,2,3,7,8-PeCDD	NA	ND(0.00000066)	NA	ND(0.00000078)	ND(0.00000010)	NA
PeCDDs (total)	NA	ND(0.00000066)	NA	ND(0.00000078)	ND(0.00000010)	NA
1,2,3,4,7,8-HxCDD	NA	ND(0.00000057)	NA	ND(0.00000064)	ND(0.00000012)	NA
1,2,3,6,7,8-HxCDD	NA	ND(0.00000054)	NA	ND(0.00000060)	ND(0.00000011)	NA
1,2,3,7,8,9-HxCDD	NA	ND(0.00000056)	NA	ND(0.00000062)	ND(0.00000012)	NA
HxCDDs (total)	NA	ND(0.00000056)	NA	ND(0.0000024) X	ND(0.00000012)	NA
1,2,3,4,6,7,8-HpCDD	NA	ND(0.00000050)	NA	0.000013 J	ND(0.00000036) X	NA
HpCDDs (total)	NA	ND(0.00000050)	NA	0.000022 J	ND(0.00000064) X	NA
OCDD	NA	ND(0.0000058)	NA	0.00012	0.0000031 J	NA
Total TEQs (WHO TEFs)	NA	0.0000011	NA	0.0000036	0.00000024	NA
Inorganics						
Antimony	NA	ND(8.20) J	NA	ND(8.60) J	ND(10.0) J	NA
Arsenic	NA	1.80	NA	5.50	1.50 B	NA
Barium	NA	35.2	NA	75.4	29.3 B	NA
Beryllium	NA	ND(0.590)	NA	0.860	ND(0.570)	NA
Cadmium	NA	ND(0.690)	NA	ND(0.720)	ND(0.830)	NA
Chromium	NA	10.2	NA	29.4	10.8	NA
Cobalt	NA	6.80 B	NA	11.4	7.10 B	NA
Copper	NA	11.2	NA	30.4	10.0 J	NA
Cyanide	NA	0.270 B	NA	0.320 B	ND(0.830)	NA
Lead	NA	5.60	NA	50.9	5.20	NA
Mercury	NA	0.0260 B	NA	0.190	0.0360 B	NA
Nickel	NA	12.9 J	NA	20.0	14.0	NA
Selenium	NA	ND(0.690) J	NA	1.20	ND(0.830) J	NA
Silver	NA	ND(1.40)	NA	ND(1.40)	ND(1.70)	NA
Thallium	NA	ND(1.40)	NA	ND(1.40) J	ND(1.70) J	NA
Tin	NA	ND(5.50)	NA	ND(14.3)	ND(6.10)	NA
Vanadium	NA	12.0	NA	21.5	12.0	NA
Zinc	NA	53.7	NA	111 J	58.2	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA15-C23 0-1 03/03/03	RAA15-C24 1-3 03/03/03	RAA15-C24 3-6 03/03/03	RAA15-C24 4-6 03/03/03	RAA15-C24 10-12 03/03/03
Volatile Organics					
2-Butanone	ND(0.0062) J	ND(0.0064) J	NA	ND(0.0057) J	0.0023 J
Acetone	ND(0.025)	ND(0.026)	NA	ND(0.023)	0.0079 J
Benzene	ND(0.0062)	ND(0.0064)	NA	ND(0.0057)	ND(0.0045)
Carbon Disulfide	ND(0.0062)	ND(0.0064)	NA	ND(0.0057)	ND(0.0045)
Chloroform	ND(0.0062)	ND(0.0064)	NA	ND(0.0057)	ND(0.0045)
Ethylbenzene	ND(0.0062)	ND(0.0064)	NA	ND(0.0057)	ND(0.0045)
Methylene Chloride	0.0037 J	0.0028 J	NA	0.0030 J	0.0012 J
Toluene	ND(0.0062)	ND(0.0064)	NA	ND(0.0057)	ND(0.0045)
trans-1,2-Dichloroethene	ND(0.0062)	ND(0.0064)	NA	ND(0.0057)	ND(0.0045)
Trichloroethene	ND(0.0062)	ND(0.0064)	NA	ND(0.0057)	ND(0.0045)
Vinyl Chloride	ND(0.012)	ND(0.013)	NA	ND(0.011)	ND(0.0091)
Xylenes (total)	ND(0.0062)	ND(0.0064)	NA	ND(0.0057)	ND(0.0045)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.37)	ND(0.36)	ND(0.34)	NA	NA
1,2,4-Trichlorobenzene	ND(0.37)	ND(0.36)	ND(0.34)	NA	NA
1,4-Dichlorobenzene	ND(0.37)	ND(0.36)	ND(0.34)	NA	NA
1,4-Naphthoquinone	ND(1.8)	ND(1.7)	ND(1.7)	NA	NA
2-Methylnaphthalene	ND(0.37)	ND(0.36)	ND(0.34)	NA	NA
3&4-Methylphenol	ND(0.74)	ND(0.71)	ND(0.69)	NA	NA
3,3'-Dichlorobenzidine	ND(1.8)	ND(1.7)	ND(1.7)	NA	NA
3-Methylcholanthrene	ND(1.8)	ND(1.7)	ND(1.7)	NA	NA
Acenaphthene	ND(0.37)	ND(0.36)	ND(0.34)	NA	NA
Acenaphthylene	0.31 J	0.023 J	ND(0.34)	NA	NA
Aniline	ND(0.37)	ND(0.36)	ND(0.34)	NA	NA
Anthracene	0.088 J	ND(0.36)	ND(0.34)	NA	NA
Benzo(a)anthracene	0.34 J	0.061 J	ND(0.34)	NA	NA
Benzo(a)pyrene	0.58	0.076 J	ND(0.34)	NA	NA
Benzo(b)fluoranthene	0.60	0.072 J	ND(0.34)	NA	NA
Benzo(g,h,i)perylene	0.25 J	ND(0.36)	ND(0.34)	NA	NA
Benzo(k)fluoranthene	0.56	0.077 J	ND(0.34)	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.37)	ND(0.36)	ND(0.34)	NA	NA
Chrysene	0.41	0.088 J	ND(0.34)	NA	NA
Dibenzo(a,h)anthracene	0.074 J	ND(0.36)	ND(0.34)	NA	NA
Dibenzofuran	ND(0.37)	ND(0.36)	ND(0.34)	NA	NA
Diethylphthalate	ND(0.37)	ND(0.36)	ND(0.34)	NA	NA
Di-n-Butylphthalate	ND(0.37)	ND(0.36)	ND(0.34)	NA	NA
Fluoranthene	0.52	0.12 J	ND(0.34)	NA	NA
Fluorene	ND(0.37)	ND(0.36)	ND(0.34)	NA	NA
Hexachlorobenzene	ND(0.37)	ND(0.36)	ND(0.34)	NA	NA
Indeno(1,2,3-cd)pyrene	0.26 J	ND(0.36)	ND(0.34)	NA	NA
Isophorone	ND(0.37)	ND(0.36)	ND(0.34)	NA	NA
Naphthalene	ND(0.37)	ND(0.36)	ND(0.34)	NA	NA
Pentachlorobenzene	ND(0.37)	ND(0.36)	ND(0.34)	NA	NA
Pentachlorophenol	ND(1.8)	ND(1.7)	ND(1.7)	NA	NA
Phenanthrene	0.14 J	0.052 J	ND(0.34)	NA	NA
Phenol	ND(0.37)	ND(0.36)	ND(0.34)	NA	NA
Pyrene	0.41	0.10 J	ND(0.34)	NA	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-C23 0-1 03/03/03	RAA15-C24 1-3 03/03/03	RAA15-C24 3-6 03/03/03	RAA15-C24 4-6 03/03/03	RAA15-C24 10-12 03/03/03
Furans					
2,3,7,8-TCDF	0.00000052 J	ND(0.0000047) X	ND(0.00000038) X	NA	NA
TCDFs (total)	ND(0.0000041) X	ND(0.000024) X	ND(0.0000041) X	NA	NA
1,2,3,7,8-PeCDF	ND(0.00000013)	0.0000011 J	0.00000017 J	NA	NA
2,3,4,7,8-PeCDF	ND(0.00000012)	ND(0.0000012) X	ND(0.00000021) X	NA	NA
PeCDFs (total)	ND(0.0000061) X	ND(0.000027) X	ND(0.0000091) X	NA	NA
1,2,3,4,7,8-HxCDF	ND(0.00000015) X	0.0000015 J	0.00000022 J	NA	NA
1,2,3,6,7,8-HxCDF	ND(0.00000055) X	ND(0.0000041) X	ND(0.00000091) X	NA	NA
1,2,3,7,8,9-HxCDF	ND(0.00000011)	ND(0.00000028)	0.00000019 J	NA	NA
2,3,4,6,7,8-HxCDF	ND(0.00000019) X	ND(0.00000053) X	ND(0.00000023) X	NA	NA
HxCDFs (total)	ND(0.0000035) X	ND(0.000027) X	ND(0.0000060) X	NA	NA
1,2,3,4,6,7,8-HpCDF	0.00000041 J	0.000018 J	ND(0.00000070) X	NA	NA
1,2,3,4,7,8,9-HpCDF	ND(0.00000018)	ND(0.00000043)	0.00000035 J	NA	NA
HpCDFs (total)	0.00000082 J	0.000033 J	ND(0.0000017) X	NA	NA
OCDF	ND(0.000001)	ND(0.000013)	ND(0.0000011)	NA	NA
Dioxins					
2,3,7,8-TCDD	ND(0.00000028)	ND(0.00000067) X	ND(0.00000015)	NA	NA
TCDDs (total)	ND(0.00000028)	ND(0.00000067) X	ND(0.00000015)	NA	NA
1,2,3,7,8-PeCDD	ND(0.00000016)	ND(0.00000043)	ND(0.000000072)	NA	NA
PeCDDs (total)	ND(0.00000016)	ND(0.00000043)	ND(0.000000072)	NA	NA
1,2,3,4,7,8-HxCDD	ND(0.00000018)	ND(0.00000049)	ND(0.00000013) X	NA	NA
1,2,3,6,7,8-HxCDD	ND(0.00000017)	ND(0.00000046)	0.00000019 J	NA	NA
1,2,3,7,8,9-HxCDD	ND(0.00000018)	ND(0.00000048)	ND(0.00000022) X	NA	NA
HxCDDs (total)	ND(0.00000018)	ND(0.0000028) X	ND(0.00000098) X	NA	NA
1,2,3,4,6,7,8-HpCDD	ND(0.00000060) X	0.0000081 J	ND(0.00000074)	NA	NA
HpCDDs (total)	ND(0.0000011) X	0.000016 J	0.0000013 J	NA	NA
OCDD	ND(0.0000049) J	0.000079	ND(0.0000039)	NA	NA
Total TEQs (WHO TEFs)	0.00000039	0.0000019	0.00000034	NA	NA
Inorganics					
Antimony	ND(6.70) J	ND(6.50) J	ND(6.20) J	NA	NA
Arsenic	2.50	2.60	2.30	NA	NA
Barium	21.1 B	22.5	14.6 B	NA	NA
Beryllium	ND(0.410)	ND(0.380)	ND(0.300)	NA	NA
Cadmium	ND(0.560)	ND(0.540)	ND(0.520)	NA	NA
Chromium	8.20	7.40	5.20	NA	NA
Cobalt	4.80 B	4.80 B	4.20 B	NA	NA
Copper	9.30	10.8	12.4	NA	NA
Cyanide	ND(0.560)	ND(0.540)	ND(0.520)	NA	NA
Lead	8.20 J	14.1 J	5.90	NA	NA
Mercury	0.0370 B	0.0350 B	0.0260 B	NA	NA
Nickel	9.20	8.80	8.30	NA	NA
Selenium	ND(0.560)	ND(0.540)	ND(0.520)	NA	NA
Silver	ND(1.10)	ND(1.10)	ND(1.00)	NA	NA
Thallium	ND(1.10) J	ND(1.10) J	ND(1.00) J	NA	NA
Tin	ND(3.70)	ND(4.00)	ND(3.50)	NA	NA
Vanadium	8.10	7.30	5.20	NA	NA
Zinc	29.6	34.4	30.1	NA	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-C24 10-15 03/03/03	RAA15-D3 0-1 03/10/03	RAA15-D8 0-1 02/27/03	RAA15-D13 0-1 02/25/03	RAA15-D21 0-1 03/04/03
Volatile Organics					
2-Butanone	NA	ND(0.0046) J	ND(0.0059) J	ND(0.0065) J	ND(0.0080) J
Acetone	NA	ND(0.018) J	ND(0.023) J	ND(0.026) J	ND(0.032)
Benzene	NA	ND(0.0046)	ND(0.0059)	ND(0.0065)	ND(0.0080)
Carbon Disulfide	NA	ND(0.0046)	ND(0.0059)	ND(0.0065)	ND(0.0080)
Chloroform	NA	ND(0.0046)	ND(0.0059)	ND(0.0065)	ND(0.0080)
Ethylbenzene	NA	ND(0.0046)	ND(0.0059)	ND(0.0065)	ND(0.0080)
Methylene Chloride	NA	ND(0.0046)	0.0015 J	ND(0.0065)	0.0049 J
Toluene	NA	ND(0.0046)	ND(0.0059)	ND(0.0065)	ND(0.0080)
trans-1,2-Dichloroethene	NA	ND(0.0046)	ND(0.0059)	ND(0.0065)	ND(0.0080)
Trichloroethene	NA	ND(0.0046)	ND(0.0059)	ND(0.0065)	ND(0.0080)
Vinyl Chloride	NA	ND(0.0092)	ND(0.012)	ND(0.013)	ND(0.016)
Xylenes (total)	NA	ND(0.0046)	ND(0.0059)	ND(0.0065)	ND(0.0080)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.39)	ND(0.71)	ND(1.7)	ND(0.80)	ND(0.52)
1,2,4-Trichlorobenzene	ND(0.39)	ND(0.71)	ND(1.7)	0.068 J	ND(0.52)
1,4-Dichlorobenzene	ND(0.39)	ND(0.71)	ND(1.7)	0.10 J	ND(0.52)
1,4-Naphthoquinone	ND(1.9)	ND(3.5)	ND(8.1)	ND(3.9)	ND(2.5)
2-Methylnaphthalene	ND(0.39)	0.38 J	0.29 J	0.080 J	ND(0.52)
3&4-Methylphenol	ND(0.77)	ND(1.4)	ND(3.3)	ND(1.6)	ND(1.0)
3,3'-Dichlorobenzidine	ND(1.9)	ND(3.5)	ND(8.1)	ND(3.9)	ND(2.5)
3-Methylcholanthrene	ND(1.9)	ND(3.5)	0.25 J	ND(3.9)	ND(2.5)
Acenaphthene	0.034 J	ND(0.71)	1.3 J	0.068 J	ND(0.52)
Acenaphthylene	0.031 J	0.68 J	0.31 J	0.25 J	0.084 J
Aniline	ND(0.39)	ND(0.71)	ND(1.7)	1.0	ND(0.52)
Anthracene	0.093 J	0.35 J	3.1	0.27 J	ND(0.52)
Benzo(a)anthracene	0.20 J	1.1	9.4	0.95	0.24 J
Benzo(a)pyrene	0.20 J	1.2	8.7	0.95	0.29 J
Benzo(b)fluoranthene	0.17 J	1.1	9.8	1.2	0.27 J
Benzo(g,h,i)perylene	0.088 J	0.52 J	3.3	0.42 J	0.12 J
Benzo(k)fluoranthene	0.19 J	1.2	5.9	1.2	0.30 J
bis(2-Ethylhexyl)phthalate	ND(0.39)	ND(0.71)	ND(1.7)	ND(0.80)	ND(0.52)
Chrysene	0.22 J	1.3	9.9	1.2	0.34 J
Dibenzo(a,h)anthracene	ND(0.39)	0.16 J	1.7	0.13 J	ND(0.52)
Dibenzofuran	ND(0.39)	ND(0.71)	0.96 J	ND(0.80)	ND(0.52)
Diethylphthalate	ND(0.39)	ND(0.71)	ND(1.7)	ND(0.80)	ND(0.52)
Di-n-Butylphthalate	ND(0.39)	ND(0.71)	ND(1.7)	ND(0.80)	ND(0.52)
Fluoranthene	0.45	1.7	22	2.1	0.53
Fluorene	0.041 J	0.077 J	1.6 J	0.083 J	ND(0.52)
Hexachlorobenzene	ND(0.39)	ND(0.71)	ND(1.7)	ND(0.80)	ND(0.52)
Indeno(1,2,3-cd)pyrene	0.098 J	0.57 J	4.1	0.50 J	0.15 J
Isophorone	ND(0.39)	ND(0.71)	ND(1.7)	ND(0.80)	ND(0.52)
Naphthalene	0.028 J	0.55 J	0.81 J	0.10 J	ND(0.52)
Pentachlorobenzene	ND(0.39)	ND(0.71)	ND(1.7)	ND(0.80)	ND(0.52)
Pentachlorophenol	ND(1.9)	ND(3.5)	ND(8.1)	ND(3.9)	ND(2.5)
Phenanthrene	0.34 J	1.1	16	1.1	0.25 J
Phenol	ND(0.39)	ND(0.71)	ND(1.7)	0.12 J	ND(0.52)
Pyrene	0.33 J	1.6	19	1.4	0.38 J

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-C24 10-15 03/03/03	RAA15-D3 0-1 03/10/03	RAA15-D8 0-1 02/27/03	RAA15-D13 0-1 02/25/03	RAA15-D21 0-1 03/04/03
Furans					
2,3,7,8-TCDF	0.0000021	0.0000066	ND(0.0000090)	ND(0.000043) X	ND(0.000019) X
TCDFs (total)	ND(0.000021) X	ND(0.000054) X	ND(0.00012) X	ND(0.00046) X	ND(0.00011) X
1,2,3,7,8-PeCDF	0.00000093 J	0.0000038 J	0.0000037 J	0.000014	0.0000056 J
2,3,4,7,8-PeCDF	0.0000011 J	0.0000040 J	0.0000057 J	ND(0.000022) X	0.0000049 J
PeCDFs (total)	ND(0.000029) X	ND(0.00010) X	ND(0.00023) X	ND(0.0012) X	ND(0.000086) X
1,2,3,4,7,8-HxCDF	0.0000010 J	ND(0.000019) X	0.000012 J	0.000034	0.0000052 J
1,2,3,6,7,8-HxCDF	ND(0.0000028) X	0.0000035 J	ND(0.000024) X	ND(0.00019) X	ND(0.0000095) X
1,2,3,7,8,9-HxCDF	0.00000079 J	ND(0.00000031) X	ND(0.00000047)	ND(0.00000095)	0.00000019 J
2,3,4,6,7,8-HxCDF	0.00000090 J	0.0000019 J	ND(0.0000031) X	0.000017	0.0000016 J
HxCDFs (total)	ND(0.000018) X	ND(0.000075) XQJ	ND(0.00020) X	ND(0.0011) X	ND(0.000070) X
1,2,3,4,6,7,8-HpCDF	0.0000043 J	0.0000083	0.000035	0.000069	0.000039
1,2,3,4,7,8,9-HpCDF	0.00000099 J	0.0000023 J	0.0000053 J	0.000017	ND(0.0000012) X
HpCDFs (total)	0.0000083 J	ND(0.000019) X	0.000090	ND(0.00021) X	ND(0.000073) X
OCDF	ND(0.0000047)	0.0000079 J	0.000069	0.00010	0.000031
Dioxins					
2,3,7,8-TCDD	ND(0.00000016)	ND(0.00000039)	ND(0.0000011)	ND(0.00000085) X	ND(0.00000067) X
TCDDs (total)	ND(0.00000016)	ND(0.0000013) X	ND(0.0000011)	ND(0.0000056) X	ND(0.0000031) X
1,2,3,7,8-PeCDD	ND(0.00000041) X	ND(0.00000056) X	ND(0.0000051) X	ND(0.0000019) X	ND(0.00000046) X
PeCDDs (total)	ND(0.00000061) X	ND(0.0000027) X	ND(0.000017) X	ND(0.000018) X	ND(0.0000035) X
1,2,3,4,7,8-HxCDD	0.00000067 J	0.00000031 J	ND(0.0000012) X	0.0000020 J	0.00000050 J
1,2,3,6,7,8-HxCDD	0.00000062 J	0.00000067 J	ND(0.0000032) X	0.0000033 J	0.0000015 J
1,2,3,7,8,9-HxCDD	0.00000066 QJ	ND(0.00000079) XQJ	ND(0.0000033) X	0.0000033 J	ND(0.0000011) X
HxCDDs (total)	ND(0.0000031) XQJ	ND(0.0000071) XQJ	ND(0.000036) X	ND(0.000037) X	ND(0.000011) X
1,2,3,4,6,7,8-HpCDD	0.0000021 J	0.0000045 QJ	0.000069	0.000032	0.00003
HpCDDs (total)	0.0000033 J	0.000010 QJ	0.00013	0.000061	0.000052
OCDD	0.000013	0.000031	0.00046	0.00029 J	0.00028 J
Total TEQs (WHO TEFs)	0.0000018	0.0000051	0.000011	0.000026	0.0000064
Inorganics					
Antimony	ND(7.00) J	0.510 B	ND(7.60) J	ND(0.830)	0.770 J
Arsenic	3.50	7.90	4.40	5.90	6.50
Barium	24.3	37.5 J	40.5	34.2 J	138
Beryllium	ND(0.460)	0.380 B	0.420 B	0.350 B	ND(0.780)
Cadmium	ND(0.590)	ND(0.540)	ND(0.630)	ND(0.610)	0.0970 B
Chromium	8.70	10.6	10.1	9.90 J	46.0
Cobalt	7.90	8.70	6.60	5.90 B	10.0
Copper	22.6	42.5 J	20.4	60.3 J	44.2 J
Cyanide	ND(0.590)	ND(0.540)	ND(0.630)	ND(0.610)	0.320 B
Lead	18.3 J	51.9 J	37.7	60.2 J	160
Mercury	0.0670	0.790 J	0.0890	0.630	0.490
Nickel	13.2	17.4	13.4	12.8	19.4
Selenium	ND(0.590)	ND(0.540)	ND(0.630)	ND(0.610)	ND(0.780) J
Silver	ND(1.20)	ND(1.10)	ND(1.30)	ND(1.20)	ND(1.60)
Thallium	ND(1.20) J	ND(1.10)	ND(1.30) J	0.930 B	0.970 J
Tin	ND(3.90)	ND(5.10) J	ND(12.6)	ND(7.80)	ND(10.3)
Vanadium	9.30	13.1	12.4	9.20	21.2
Zinc	72.8	62.9	78.5 J	130	179

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-D25 0-1 03/04/03	RAA15-D27 0-1 03/04/03	RAA15-E1 0-1 03/10/03	RAA15-E1 3-6 03/10/03	RAA15-E1 4-6 03/10/03
Volatile Organics					
2-Butanone	ND(0.0086) J	ND(0.0049) J	ND(0.0047) J	NA	ND(0.0049) J
Acetone	0.012 J	ND(0.019)	ND(0.019) J	NA	ND(0.020) J
Benzene	ND(0.0086)	ND(0.0049)	ND(0.0047)	NA	ND(0.0049)
Carbon Disulfide	ND(0.0086)	ND(0.0049)	ND(0.0047)	NA	ND(0.0049)
Chloroform	ND(0.0086)	ND(0.0049)	ND(0.0047)	NA	ND(0.0049)
Ethylbenzene	ND(0.0086)	ND(0.0049)	ND(0.0047)	NA	ND(0.0049)
Methylene Chloride	0.0021 J	0.0035 J	ND(0.0047)	NA	ND(0.0049)
Toluene	ND(0.0086)	ND(0.0049)	ND(0.0047)	NA	ND(0.0049)
trans-1,2-Dichloroethene	ND(0.0086)	ND(0.0049)	ND(0.0047)	NA	ND(0.0049)
Trichloroethene	0.0039 J	ND(0.0049)	ND(0.0047)	NA	ND(0.0049)
Vinyl Chloride	ND(0.017)	ND(0.0097)	ND(0.0094)	NA	ND(0.0098)
Xylenes (total)	ND(0.0086)	ND(0.0049)	ND(0.0047)	NA	ND(0.0049)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.40)	ND(0.37)	ND(0.72)	ND(0.39)	NA
1,2,4-Trichlorobenzene	ND(0.40)	ND(0.37)	ND(0.72)	ND(0.39)	NA
1,4-Dichlorobenzene	ND(0.40)	ND(0.37)	ND(0.72)	ND(0.39)	NA
1,4-Naphthoquinone	ND(1.9)	ND(1.8)	ND(3.5)	ND(1.9)	NA
2-Methylnaphthalene	0.062 J	0.055 J	ND(0.72)	ND(0.39)	NA
3&4-Methylphenol	ND(0.79)	ND(0.73)	ND(1.4)	ND(0.77)	NA
3,3'-Dichlorobenzidine	ND(1.9)	ND(1.8)	ND(3.5)	ND(1.9)	NA
3-Methylcholanthrene	ND(1.9)	0.052 J	ND(3.5)	ND(1.9)	NA
Acenaphthene	ND(0.40)	0.054 J	ND(0.72)	0.036 J	NA
Acenaphthylene	0.14 J	0.38	0.053 J	ND(0.39)	NA
Aniline	ND(0.40)	0.27 J	ND(0.72)	ND(0.39)	NA
Anthracene	0.090 J	0.36 J	ND(0.72)	0.16 J	NA
Benzo(a)anthracene	0.34 J	1.8	0.095 J	0.21 J	NA
Benzo(a)pyrene	0.40	2.1	0.12 J	0.16 J	NA
Benzo(b)fluoranthene	0.44	2.4	0.12 J	0.13 J	NA
Benzo(g,h,i)perylene	0.18 J	1.0	ND(0.72)	ND(0.39)	NA
Benzo(k)fluoranthene	0.40	1.2	0.14 J	0.17 J	NA
bis(2-Ethylhexyl)phthalate	ND(0.40)	ND(0.37)	ND(0.72)	ND(0.39)	NA
Chrysene	0.46	2.1	0.17 J	0.20 J	NA
Dibenzo(a,h)anthracene	0.055 J	0.45	ND(0.72)	ND(0.39)	NA
Dibenzofuran	0.051 J	0.037 J	ND(0.72)	0.042 J	NA
Diethylphthalate	ND(0.40)	ND(0.37)	ND(0.72)	ND(0.39)	NA
Di-n-Butylphthalate	ND(0.40)	0.086 J	ND(0.72)	ND(0.39)	NA
Fluoranthene	0.73	2.9	0.19 J	0.57	NA
Fluorene	ND(0.40)	0.075 J	ND(0.72)	0.042 J	NA
Hexachlorobenzene	ND(0.40)	ND(0.37)	ND(0.72)	ND(0.39)	NA
Indeno(1,2,3-cd)pyrene	0.22 J	1.2	ND(0.72)	0.057 J	NA
Isophorone	ND(0.40)	ND(0.37)	ND(0.72)	ND(0.39)	NA
Naphthalene	0.062 J	0.064 J	ND(0.72)	0.068 J	NA
Pentachlorobenzene	ND(0.40)	ND(0.37)	ND(0.72)	ND(0.39)	NA
Pentachlorophenol	ND(1.9)	0.13 J	ND(3.5)	ND(1.9)	NA
Phenanthrene	0.32 J	1.1	ND(0.72)	0.53	NA
Phenol	ND(0.40)	ND(0.37)	ND(0.72)	ND(0.39)	NA
Pyrene	0.53	2.6	0.15 J	0.31 J	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-D25 0-1 03/04/03	RAA15-D27 0-1 03/04/03	RAA15-E1 0-1 03/10/03	RAA15-E1 3-6 03/10/03	RAA15-E1 4-6 03/10/03
Furans					
2,3,7,8-TCDF	ND(0.0000038) X	ND(0.0000047) X	ND(0.0000021) X	ND(0.00000021)	NA
TCDFs (total)	ND(0.000063) X	ND(0.00016) X	ND(0.000023) X	ND(0.00000021)	NA
1,2,3,7,8-PeCDF	0.0000011 J	0.0000017 J	ND(0.00000068) X	ND(0.00000012)	NA
2,3,4,7,8-PeCDF	0.0000017 J	0.0000025 J	0.0000011 J	ND(0.00000011)	NA
PeCDFs (total)	ND(0.00013) X	ND(0.00031) X	ND(0.000052) X	ND(0.00000018) X	NA
1,2,3,4,7,8-HxCDF	0.0000026 J	0.0000032 J	ND(0.0000060) X	ND(0.00000010)	NA
1,2,3,6,7,8-HxCDF	ND(0.000019) X	ND(0.000054) X	ND(0.00000077) X	ND(0.000000097)	NA
1,2,3,7,8,9-HxCDF	ND(0.00000018)	ND(0.00000014) X	ND(0.00000030)	ND(0.00000012)	NA
2,3,4,6,7,8-HxCDF	ND(0.0000014) X	0.0000012 J	ND(0.00000071) X	ND(0.00000011)	NA
HxCDFs (total)	ND(0.00011) X	ND(0.00024) X	ND(0.000037) X	0.00000015 J	NA
1,2,3,4,6,7,8-HpCDF	0.000026	0.0000068	0.0000029 J	ND(0.00000017)	NA
1,2,3,4,7,8,9-HpCDF	0.0000020 J	ND(0.00000097) X	ND(0.00000067)	ND(0.00000021)	NA
HpCDFs (total)	ND(0.000078) X	ND(0.000016) X	0.0000073 J	ND(0.00000019)	NA
OCDF	0.000065	0.0000073 J	0.0000028 J	ND(0.00000037)	NA
Dioxins					
2,3,7,8-TCDD	ND(0.00000041)	ND(0.00000025)	ND(0.00000042)	ND(0.00000028)	NA
TCDDs (total)	ND(0.0000037) X	0.00000051 J	ND(0.00000039) X	ND(0.00000048) X	NA
1,2,3,7,8-PeCDD	ND(0.00000052) X	ND(0.00000030) X	ND(0.00000032)	ND(0.00000014)	NA
PeCDDs (total)	ND(0.0000038) X	ND(0.0000029) X	ND(0.00000032)	ND(0.00000033) X	NA
1,2,3,4,7,8-HxCDD	ND(0.00000090) X	ND(0.00000032) X	ND(0.00000044)	ND(0.00000022)	NA
1,2,3,6,7,8-HxCDD	0.0000039 J	0.0000011 J	ND(0.00000041)	ND(0.00000021)	NA
1,2,3,7,8,9-HxCDD	0.0000021 J	0.00000083 J	ND(0.00000043)	ND(0.00000021)	NA
HxCDDs (total)	ND(0.000025) X	ND(0.0000093) X	ND(0.00000096) X	0.00000075 J	NA
1,2,3,4,6,7,8-HpCDD	0.000073	0.0000074	0.0000019 J	0.00000043 QJ	NA
HpCDDs (total)	0.00016	0.000014	ND(0.0000038) X	0.00000043 QJ	NA
OCDD	0.00051 J	0.000044 J	0.000013 J	ND(0.0000010) XQJ	NA
Total TEQs (WHO TEFs)	0.0000046	0.0000054	0.0000015	0.00000031	NA
Inorganics					
Antimony	0.660 J	ND(6.60) J	0.510 B	ND(7.00)	NA
Arsenic	9.30	5.70	2.90	4.50	NA
Barium	30.8	39.1	21.4 J	38.0 J	NA
Beryllium	ND(0.410)	ND(0.420)	0.310 B	0.550 B	NA
Cadmium	ND(0.600)	ND(0.550)	ND(0.550)	ND(0.580)	NA
Chromium	8.50	9.50	4.60	9.30	NA
Cobalt	6.10	9.40	4.30 B	10.6	NA
Copper	31.1 J	28.1 J	24.3 J	23.2 J	NA
Cyanide	ND(0.600)	ND(0.550)	0.250 B	0.210 B	NA
Lead	52.5	21.2	29.6 J	9.60 J	NA
Mercury	0.0730	0.0460	0.430 J	0.920 J	NA
Nickel	12.9	17.7	7.50	17.6	NA
Selenium	ND(0.600) J	ND(0.550) J	ND(0.550)	ND(0.580)	NA
Silver	ND(1.20)	ND(1.10)	ND(1.10)	ND(1.20)	NA
Thallium	ND(1.20) J	ND(0.960)	ND(1.10)	ND(1.20)	NA
Tin	ND(5.60)	ND(4.50)	ND(5.00)	ND(3.30)	NA
Vanadium	10.9	10.8	8.10	10.7	NA
Zinc	71.8	74.2	34.5	63.1	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-E2 0-1 03/10/03	RAA15-E2 1-3 03/10/03	RAA15-E2 3-4 03/10/03	RAA15-E2 3-6 03/10/03	RAA15-E2 10-12 03/10/03
Volatile Organics					
2-Butanone	ND(0.0058) J	ND(0.0094) J	ND(0.0060) J	NA	ND(0.0054) J
Acetone	ND(0.023) J	ND(0.038) J	ND(0.024) J	NA	ND(0.022) J
Benzene	ND(0.0058)	ND(0.0094)	ND(0.0054)	NA	ND(0.0060)
Carbon Disulfide	ND(0.0058)	ND(0.0094)	ND(0.0054)	NA	ND(0.0060)
Chloroform	ND(0.0058)	ND(0.0094)	ND(0.0054)	NA	ND(0.0060)
Ethylbenzene	ND(0.0058)	ND(0.0094)	ND(0.0054)	NA	ND(0.0060)
Methylene Chloride	ND(0.0058)	ND(0.0094)	ND(0.0054)	NA	ND(0.0060)
Toluene	ND(0.0058)	ND(0.0094)	ND(0.0054)	NA	ND(0.0060)
trans-1,2-Dichloroethene	ND(0.0058)	ND(0.0094)	ND(0.0054)	NA	ND(0.0060)
Trichloroethene	ND(0.0058)	ND(0.0094)	ND(0.0054)	NA	ND(0.0060)
Vinyl Chloride	ND(0.012)	ND(0.019)	ND(0.011)	NA	ND(0.012)
Xylenes (total)	ND(0.0058)	ND(0.0094)	ND(0.0054)	NA	ND(0.0060)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(1.5)	1.9	NA	ND(0.38)	NA
1,2,4-Trichlorobenzene	ND(1.5)	ND(1.6)	NA	ND(0.38)	NA
1,4-Dichlorobenzene	ND(1.5)	ND(1.6)	NA	ND(0.38)	NA
1,4-Naphthoquinone	ND(7.5)	ND(7.9)	NA	ND(1.8)	NA
2-Methylnaphthalene	ND(1.5)	0.15 J	NA	0.080 J	NA
3&4-Methylphenol	ND(3.1)	ND(3.3)	NA	ND(0.76)	NA
3,3'-Dichlorobenzidine	ND(7.5)	ND(7.9)	NA	ND(1.8)	NA
3-Methylcholanthrene	ND(7.5)	ND(7.9)	NA	ND(1.8)	NA
Acenaphthene	ND(1.5)	0.13 J	NA	0.13 J	NA
Acenaphthylene	ND(1.5)	0.42 J	NA	0.13 J	NA
Aniline	ND(1.5)	ND(1.6)	NA	ND(0.38)	NA
Anthracene	ND(1.5)	0.59 J	NA	0.46	NA
Benzo(a)anthracene	0.28 J	1.7	NA	0.91	NA
Benzo(a)pyrene	0.21 J	1.9	NA	0.95	NA
Benzo(b)fluoranthene	0.17 J	1.8	NA	1.1	NA
Benzo(g,h,i)perylene	ND(1.5)	1.1 J	NA	0.35 J	NA
Benzo(k)fluoranthene	ND(1.5)	1.9	NA	0.68	NA
bis(2-Ethylhexyl)phthalate	ND(1.5)	ND(1.6)	NA	ND(0.38)	NA
Chrysene	0.38 J	2.3	NA	1.0	NA
Dibenzo(a,h)anthracene	ND(1.5)	0.42 J	NA	0.13 J	NA
Dibenzofuran	ND(1.5)	0.15 J	NA	0.14 J	NA
Diethylphthalate	ND(1.5)	ND(1.6)	NA	ND(0.38)	NA
Di-n-Butylphthalate	ND(1.5)	ND(1.6)	NA	ND(0.38)	NA
Fluoranthene	0.44 J	3.2	NA	2.2	NA
Fluorene	ND(1.5)	ND(1.6)	NA	0.14 J	NA
Hexachlorobenzene	ND(1.5)	ND(1.6)	NA	ND(0.38)	NA
Indeno(1,2,3-cd)pyrene	ND(1.5)	1.2 J	NA	0.40	NA
Isophorone	ND(1.5)	ND(1.6)	NA	0.15 J	NA
Naphthalene	ND(1.5)	0.23 J	NA	0.15 J	NA
Pentachlorobenzene	ND(1.5)	ND(1.6)	NA	ND(0.38)	NA
Pentachlorophenol	ND(7.5)	ND(7.9)	NA	ND(1.8)	NA
Phenanthrene	0.21 J	2.4	NA	1.8	NA
Phenol	ND(1.5)	ND(1.6)	NA	ND(0.38)	NA
Pyrene	0.52 J	2.4	NA	1.4	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-E2 0-1 03/10/03	RAA15-E2 1-3 03/10/03	RAA15-E2 3-4 03/10/03	RAA15-E2 3-6 03/10/03	RAA15-E2 10-12 03/10/03
Furans					
2,3,7,8-TCDF	ND(0.0000089) X	0.00014	NA	0.000017	NA
TCDFs (total)	ND(0.000099) X	ND(0.0016) X	NA	ND(0.00046) X	NA
1,2,3,7,8-PeCDF	0.0000056 J	0.000069	NA	ND(0.000011) X	NA
2,3,4,7,8-PeCDF	0.0000070	0.000085	NA	0.000023	NA
PeCDFs (total)	ND(0.00014) X	ND(0.00084) X	NA	ND(0.00028) X	NA
1,2,3,4,7,8-HxCDF	0.000013	0.000064	NA	ND(0.000017) X	NA
1,2,3,6,7,8-HxCDF	ND(0.000013) X	0.000054 J	NA	ND(0.0000099) X	NA
1,2,3,7,8,9-HxCDF	ND(0.00000041) X	ND(0.0000036) X	NA	ND(0.00000067) X	NA
2,3,4,6,7,8-HxCDF	0.0000044 J	0.000045 J	NA	ND(0.000014) X	NA
HxCDFs (total)	ND(0.000099) XQJ	ND(0.00048) X	NA	ND(0.00012) X	NA
1,2,3,4,6,7,8-HpCDF	0.000014	0.00013	NA	0.000033	NA
1,2,3,4,7,8,9-HpCDF	0.0000033 J	0.000019 J	NA	ND(0.0000020) X	NA
HpCDFs (total)	ND(0.000032) X	0.00019	NA	ND(0.000044) X	NA
OCDF	0.000013	0.000057 J	NA	0.0000086 J	NA
Dioxins					
2,3,7,8-TCDD	ND(0.00000028)	ND(0.0000030) X	NA	ND(0.00000075) X	NA
TCDDs (total)	ND(0.00000094) X	ND(0.000049) X	NA	ND(0.000025) X	NA
1,2,3,7,8-PeCDD	ND(0.0000017) X	ND(0.0000037) X	NA	0.0000018 J	NA
PeCDDs (total)	ND(0.0000058) X	ND(0.000059) X	NA	ND(0.000030) X	NA
1,2,3,4,7,8-HxCDD	ND(0.00000040) X	0.0000047 J	NA	0.0000018 J	NA
1,2,3,6,7,8-HxCDD	ND(0.00000082) X	0.0000055 J	NA	0.0000020 J	NA
1,2,3,7,8,9-HxCDD	ND(0.00000033) XQJ	ND(0.000011) X	NA	0.0000041 J	NA
HxCDDs (total)	ND(0.000011) XQJ	ND(0.000081) X	NA	ND(0.000033) X	NA
1,2,3,4,6,7,8-HpCDD	0.000011	0.000043 J	NA	0.0000076 QJ	NA
HpCDDs (total)	0.000022	0.000082 J	NA	0.000018 QJ	NA
OCDD	0.000075	0.000084 J	NA	0.000017 J	NA
Total TEQs (WHO TEFs)	0.0000080	0.000083	NA	0.000019	NA
Inorganics					
Antimony	5.00 B	969	NA	115	NA
Arsenic	3.40	19.1	NA	6.50	NA
Barium	102 J	1810	NA	648 J	NA
Beryllium	0.230 B	0.300 B	NA	0.380 B	NA
Cadmium	0.130 B	5.00	NA	5.40	NA
Chromium	6.90	39.7	NA	17.1	NA
Cobalt	6.50	10.2	NA	8.50	NA
Copper	301 J	8860 J	NA	2410	NA
Cyanide	ND(0.580)	0.400 B	NA	0.320 B	NA
Lead	367 J	14000 J	NA	9560	NA
Mercury	1.80 J	10.4	NA	6.4	NA
Nickel	10.7	38.7	NA	17.0	NA
Selenium	ND(0.580)	1.20 B	NA	ND(0.570)	NA
Silver	0.130 B	5.50	NA	2.30	NA
Thallium	ND(1.20)	ND(6.20)	NA	ND(5.70)	NA
Tin	34.5 J	3300 J	NA	2750 J	NA
Vanadium	7.20	22.9	NA	11.0	NA
Zinc	66.8	3230	NA	2790	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA15-E2 10-15 03/10/03	RAA15-E4 1-3 03/07/03	RAA15-E4 3-6 03/07/03	RAA15-E4 4-6 03/07/03
Volatile Organics				
2-Butanone	NA	ND(0.0044) J	NA	ND(0.0046) J
Acetone	NA	ND(0.018) J	NA	ND(0.018) J
Benzene	NA	ND(0.0044)	NA	ND(0.0046)
Carbon Disulfide	NA	ND(0.0044)	NA	ND(0.0046)
Chloroform	NA	ND(0.0044)	NA	ND(0.0046)
Ethylbenzene	NA	ND(0.0044)	NA	ND(0.0046)
Methylene Chloride	NA	ND(0.0044)	NA	ND(0.0046)
Toluene	NA	ND(0.0044)	NA	ND(0.0046)
trans-1,2-Dichloroethene	NA	ND(0.0044)	NA	ND(0.0046)
Trichloroethene	NA	ND(0.0044)	NA	ND(0.0046)
Vinyl Chloride	NA	ND(0.0089)	NA	ND(0.0091)
Xylenes (total)	NA	ND(0.0044)	NA	ND(0.0046)
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.36)	2.0	0.42	NA
1,2,4-Trichlorobenzene	ND(0.36)	0.11 J	0.055 J	NA
1,4-Dichlorobenzene	ND(0.36)	ND(0.37)	ND(0.36)	NA
1,4-Naphthoquinone	ND(1.8)	ND(1.8)	ND(1.7)	NA
2-Methylnaphthalene	ND(0.36)	ND(0.37)	ND(0.36)	NA
3&4-Methylphenol	ND(0.73)	ND(0 74)	ND(0.71)	NA
3,3'-Dichlorobenzidine	ND(1.8)	ND(1.8)	ND(1.7)	NA
3-Methylcholanthrene	ND(1.8)	ND(1.8)	ND(1.7)	NA
Acenaphthene	ND(0.36)	ND(0.37)	ND(0.36)	NA
Acenaphthylene	ND(0.36)	0.12 J	ND(0.36)	NA
Aniline	ND(0.36)	ND(0.37)	ND(0.36)	NA
Anthracene	ND(0.36)	0.13 J	ND(0.36)	NA
Benzo(a)anthracene	ND(0.36)	1.1	0.071 J	NA
Benzo(a)pyrene	ND(0.36)	0.97	0.072 J	NA
Benzo(b)fluoranthene	ND(0.36)	0.92	0.056 J	NA
Benzo(g,h,i)perylene	ND(0.36)	0.71	0.075 J	NA
Benzo(k)fluoranthene	ND(0.36)	0.81	0.070 J	NA
bis(2-Ethylhexyl)phthalate	ND(0.36)	ND(0.37)	ND(0.36)	NA
Chrysene	ND(0.36)	1.1	0.082 J	NA
Dibenzo(a,h)anthracene	ND(0.36)	0.30 J	ND(0.36)	NA
Dibenzofuran	ND(0.36)	ND(0.37)	ND(0.36)	NA
Diethylphthalate	ND(0.36)	ND(0.37)	ND(0.36)	NA
Di-n-Butylphthalate	ND(0.36)	ND(0.37)	ND(0.36)	NA
Fluoranthene	ND(0.36)	1.5	0.11 J	NA
Fluorene	ND(0.36)	ND(0.37)	ND(0.36)	NA
Hexachlorobenzene	ND(0.36)	0.052 J	ND(0.36)	NA
Indeno(1,2,3-cd)pyrene	ND(0.36)	0.81	0.070 J	NA
Isophorone	ND(0.36)	ND(0.37)	ND(0.36)	NA
Naphthalene	ND(0.36)	0.030 J	ND(0.36)	NA
Pentachlorobenzene	ND(0.36)	0.12 J	ND(0.36)	NA
Pentachlorophenol	ND(1.8)	ND(1.8)	ND(1.7)	NA
Phenanthrene	ND(0.36)	0.35 J	0.073 J	NA
Phenol	ND(0.36)	ND(0.37)	ND(0.36)	NA
Pyrene	ND(0.36)	1.4	0.13 J	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-E2 10-15 03/10/03	RAA15-E4 1-3 03/07/03	RAA15-E4 3-6 03/07/03	RAA15-E4 4-6 03/07/03
Furans				
2,3,7,8-TCDF	ND(0.00000030)	ND(0.00028) X	ND(0.000035)X	NA
TCDFs (total)	ND(0.00000030)	ND(0.0021) XQJ	ND(0.00025) XQJ	NA
1,2,3,7,8-PeCDF	ND(0.00000020)	0.00027	0.000028	NA
2,3,4,7,8-PeCDF	ND(0.00000019)	0.00027	0.000025	NA
PeCDFs (total)	ND(0.00000019)	ND(0.0025) XQJ	ND(0.00033) XQJ	NA
1,2,3,4,7,8-HxCDF	0.00000032 J	0.00065	0.000066 J	NA
1,2,3,6,7,8-HxCDF	ND(0.00000012)	ND(0.00023) X	ND(0.000031) X	NA
1,2,3,7,8,9-HxCDF	ND(0.00000016)	0.000019	0.0000020 J	NA
2,3,4,6,7,8-HxCDF	ND(0.00000014)	0.000086	0.0000079	NA
HxCDFs (total)	0.00000032 J	ND(0.0017) XQJ	ND(0.00023) XQJ	NA
1,2,3,4,6,7,8-HpCDF	ND(0.00000029)	0.00040	0.000046	NA
1,2,3,4,7,8,9-HpCDF	ND(0.00000036)	0.00014	0.000015	NA
HpCDFs (total)	ND(0.00000032)	ND(0.00070) X	ND(0.000081) X	NA
OCDF	ND(0.00000072)	0.00035	0.000042	NA
Dioxins				
2,3,7,8-TCDD	ND(0.00000040)	ND(0.0000015) X	ND(0.00000039) X	NA
TCDDs (total)	ND(0.00000040)	ND(0.000049) XQJ	ND(0.0000039) X	NA
1,2,3,7,8-PeCDD	ND(0.00000024)	ND(0.000049) X	ND(0.0000038) X	NA
PeCDDs (total)	ND(0.00000024)	ND(0.00024) XQJ	ND(0.000014) X	NA
1,2,3,4,7,8-HxCDD	ND(0.00000029)	0.0000043 J	0.00000047 J	NA
1,2,3,6,7,8-HxCDD	ND(0.00000028)	0.0000072	ND(0.00000072) X	NA
1,2,3,7,8,9-HxCDD	ND(0.00000028)	0.0000046 QJ	ND(0.00000044) XQJ	NA
HxCDDs (total)	ND(0.00000028)	ND(0.00020) XQJ	ND(0.000023) XQJ	NA
1,2,3,4,6,7,8-HpCDD	ND(0.00000057)	0.000039 QJ	0.0000061 QJ	NA
HpCDDs (total)	ND(0.00000057)	0.000080 QJ	0.000012 QJ	NA
OCDD	ND(0.00000030) J	0.000099 QJ	0.000037 QJ	NA
Total TEQs (WHO TEFs)	0.00000049	0.00028	0.000028	NA
Inorganics				
Antimony	0.480 B	0.470 B	ND(6.50)	NA
Arsenic	4.00	3.90	3.80	NA
Barium	33.8 J	39.0	28.9	NA
Beryllium	0.400 B	ND(0.440)	ND(0.430)	NA
Cadmium	ND(0.550)	ND(0.260)	ND(0.160)	NA
Chromium	7.80	7.10	8.80	NA
Cobalt	7.90	9.80	6.30	NA
Copper	16.5 J	93.0 J	70.3 J	NA
Cyanide	ND(0.550)	ND(0.560)	0.210 B	NA
Lead	9.60 J	131 J	86.8 J	NA
Mercury	0.450 J	1.60	0.760	NA
Nickel	13.6	14.3 J	12.1 J	NA
Selenium	ND(0.550)	ND(0.560)	ND(0.540)	NA
Silver	ND(1.10)	0.100 B	ND(1.10)	NA
Thallium	ND(1.10)	ND(1.10)	ND(1.10)	NA
Tin	ND(3.90)	ND(8.40)	ND(6.80)	NA
Vanadium	8.80	8.70	7.90	NA
Zinc	49.9	124	92.0	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA15-E5 0-1 03/10/03	RAA15-E6 1-3 03/06/03	RAA15-E6 6-8 03/06/03	RAA15-E6 6-10 03/06/03
Volatile Organics				
2-Butanone	ND(0.0052) J	ND(0.0057)	ND(0.0058)	NA
Acetone	ND(0.021) J	ND(0.023) J	ND(0.023) J	NA
Benzene	ND(0.0052)	ND(0.0057)	ND(0.0058)	NA
Carbon Disulfide	ND(0.0052)	ND(0.0057)	ND(0.0058)	NA
Chloroform	ND(0.0052)	ND(0.0057)	ND(0.0058)	NA
Ethylbenzene	ND(0.0052)	ND(0.0057)	ND(0.0058)	NA
Methylene Chloride	ND(0.0052)	ND(0.0057)	ND(0.0058)	NA
Toluene	ND(0.0052)	ND(0.0057)	ND(0.0058)	NA
trans-1,2-Dichloroethene	ND(0.0052)	ND(0.0057)	ND(0.0058)	NA
Trichloroethene	ND(0.0052)	ND(0.0057)	ND(0.0058)	NA
Vinyl Chloride	ND(0.010)	ND(0.011)	ND(0.012)	NA
Xylenes (total)	ND(0.0052)	ND(0.0057)	ND(0.0058)	NA
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(15)	ND(0.78)	NA	ND(4.6)
1,2,4-Trichlorobenzene	ND(15)	ND(0.78)	NA	ND(4.6)
1,4-Dichlorobenzene	ND(15)	ND(0.78)	NA	ND(4.6)
1,4-Naphthoquinone	ND(74)	ND(3.8)	NA	ND(22)
2-Methylnaphthalene	0.97 J	0.16 J	NA	ND(4.6)
3&4-Methylphenol	ND(30)	ND(1.6)	NA	ND(9.1)
3,3'-Dichlorobenzidine	ND(74)	ND(3.8)	NA	ND(22)
3-Methylcholanthrene	ND(74)	ND(3.8)	NA	ND(22)
Acenaphthene	7.4 J	0.15 J	NA	ND(4.6)
Acenaphthylene	ND(15)	0.30 J	NA	ND(4.6)
Aniline	ND(15)	ND(0.78)	NA	ND(4.6)
Anthracene	13 J	0.64 J	NA	ND(4.6)
Benzo(a)anthracene	35	2.4	NA	ND(4.6)
Benzo(a)pyrene	33	2.3	NA	ND(4.6)
Benzo(b)fluoranthene	30	2.0	NA	ND(4.6)
Benzo(g,h,i)perylene	12 J	1.1	NA	ND(4.6)
Benzo(k)fluoranthene	31	2.0	NA	ND(4.6)
bis(2-Ethylhexyl)phthalate	ND(15)	ND(0.78)	NA	ND(4.6)
Chrysene	38	2.5	NA	ND(4.6)
Dibenzo(a,h)anthracene	4.1 J	0.44 J	NA	ND(4.6)
Dibenzofuran	3.2 J	0.18 J	NA	ND(4.6)
Diethylphthalate	ND(15)	ND(0.78)	NA	ND(4.6)
Di-n-Butylphthalate	ND(15)	ND(0.78)	NA	ND(4.6)
Fluoranthene	92	4.6	NA	ND(4.6)
Fluorene	5.6 J	0.21 J	NA	ND(4.6)
Hexachlorobenzene	ND(15)	ND(0.78)	NA	ND(4.6)
Indeno(1,2,3-cd)pyrene	15	1.3	NA	ND(4.6)
Isophorone	ND(15)	0.19 J	NA	1.7 J
Naphthalene	2.6 J	0.21 J	NA	ND(4.6)
Pentachlorobenzene	ND(15)	ND(0.78)	NA	ND(4.6)
Pentachlorophenol	ND(74)	ND(3.8)	NA	ND(22)
Phenanthrene	62	2.4	NA	ND(4.6)
Phenol	ND(15)	ND(0.78)	NA	ND(4.6)
Pyrene	59	3.3	NA	ND(4.6)

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA15-E5 0-1 03/10/03	RAA15-E6 1-3 03/06/03	RAA15-E6 6-8 03/06/03	RAA15-E6 6-10 03/06/03
Furans				
2,3,7,8-TCDF	ND(0.000010) X [0.0000053 J]	ND(0.000014) X	NA	ND(0.0000035) X
TCDFs (total)	ND(0.00010) X [ND(0.000049) X]	ND(0.00026) X	NA	ND(0.000057) X
1,2,3,7,8-PeCDF	0.0000049 J [ND(0.0000029) X]	0.0000038 J	NA	0.00000074 J
2,3,4,7,8-PeCDF	0.0000061 J [0.0000049 J]	0.0000057 J	NA	ND(0.00000075) X
PeCDFs (total)	ND(0.00027) XQJ [ND(0.00013) X]	ND(0.00035) X	NA	ND(0.000045) X
1,2,3,4,7,8-HxCDF	ND(0.000033) X [0.0000068 J]	ND(0.0000063) X	NA	0.00000099 J
1,2,3,6,7,8-HxCDF	0.0000058 J [ND(0.0000036) X]	ND(0.000049) X	NA	ND(0.0000046) X
1,2,3,7,8,9-HxCDF	ND(0.00000096) [ND(0.00000072)]	ND(0.00000031) X	NA	ND(0.000000090)
2,3,4,6,7,8-HxCDF	0.0000045 J [0.0000035 J]	0.0000034 J	NA	0.00000036 J
HxCDFs (total)	ND(0.00021) X [ND(0.000086) X]	ND(0.00023) X	NA	ND(0.000023) X
1,2,3,4,6,7,8-HpCDF	ND(0.000021) X [0.000012 J]	0.000029	NA	0.0000033 J
1,2,3,4,7,8,9-HpCDF	0.0000053 J [0.0000028 J]	0.0000030 J	NA	0.00000031 J
HpCDFs (total)	ND(0.000054) X [0.000029 J]	ND(0.000080) X	NA	0.0000068 J
OCDF	0.000021 J [0.000012 J]	0.000044	NA	0.0000034 J
Dioxins				
2,3,7,8-TCDD	ND(0.0000020) [ND(0.0000023)]	ND(0.00000030) X	NA	ND(0.00000022)
TCDDs (total)	ND(0.0000020) [ND(0.0000023)]	ND(0.0000018) X	NA	ND(0.00000022)
1,2,3,7,8-PeCDD	ND(0.0000012) [ND(0.00000097)]	0.00000077 J	NA	ND(0.00000012)
PeCDDs (total)	ND(0.0000029) X [ND(0.00000097)]	ND(0.0000065) X	NA	ND(0.00000069) X
1,2,3,4,7,8-HxCDD	ND(0.0000012) [ND(0.0000010)]	ND(0.00000049) X	NA	ND(0.00000012)
1,2,3,6,7,8-HxCDD	ND(0.0000024) X [ND(0.0000013) X]	0.0000023 J	NA	0.00000029 J
1,2,3,7,8,9-HxCDD	0.0000032 J [ND(0.0000010)]	0.0000015 QJ	NA	ND(0.00000012)
HxCDDs (total)	ND(0.000025) X [ND(0.0000076) X]	ND(0.000019) XQJ	NA	ND(0.0000023) X
1,2,3,4,6,7,8-HpCDD	0.000023 J [0.000015 J]	0.000029	NA	0.0000035 J
HpCDDs (total)	0.000052 J [0.000031 J]	0.000094	NA	0.0000066 J
OCDD	0.00014 [0.000091 J]	0.00038	NA	0.000034
Total TEQs (WHO TEFs)	0.0000090 [0.0000064]	0.0000088	NA	0.0000011
Inorganics				
Antimony	0.500 B	ND(7.10)	NA	ND(8.30)
Arsenic	3.30	1.40	NA	3.40
Barium	72.1 J	28.6	NA	78.3
Beryllium	0.370 B	0.380 B	NA	0.500 B
Cadmium	0.310 B	ND(0.590)	NA	ND(0.690)
Chromium	7.60	7.40	NA	15.5
Cobalt	5.00 B	5.80 B	NA	6.30 B
Copper	41.8 J	7.90	NA	15.6
Cyanide	0.210 B	0.290 B	NA	0.260 B
Lead	130 J	3.50	NA	18.0
Mercury	1.70 J	0.140	NA	0.150
Nickel	10.7	9.70	NA	11.6
Selenium	ND(0.580)	ND(0.590)	NA	ND(0.690)
Silver	0.0990 B	ND(1.20)	NA	ND(1.40)
Thallium	ND(1.20)	ND(1.20)	NA	1.10 B
Tin	ND(5.20)	ND(3.40)	NA	ND(4.80)
Vanadium	15.1	8.80	NA	15.2
Zinc	75.3	43.5	NA	54.9

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-E7 0-1 02/27/03	RAA15-E8 1-3 02/26/03	RAA15-E11 0-1 02/21/03	RAA15-E11 3-6 02/27/03	RAA15-E11 4-6 02/27/03
Volatile Organics					
2-Butanone	ND(0.0062) J	ND(0.0044) J	ND(0.0060)	NA	ND(0.0054) J
Acetone	ND(0.025) J	ND(0.018) J	ND(0.024)	NA	ND(0.021) J
Benzene	ND(0.0062)	ND(0.0044)	ND(0.0060)	NA	ND(0.0054)
Carbon Disulfide	ND(0.0062)	ND(0.0044)	ND(0.0060)	NA	ND(0.0054)
Chloroform	ND(0.0062)	ND(0.0044)	ND(0.0060)	NA	ND(0.0054)
Ethylbenzene	ND(0.0062)	ND(0.0044)	ND(0.0060)	NA	ND(0.0054)
Methylene Chloride	0.0021 J	0.0020 J	0.0010 J	NA	ND(0.0054)
Toluene	ND(0.0062)	0.0010 J	ND(0.0060)	NA	ND(0.0054)
trans-1,2-Dichloroethene	ND(0.0062)	ND(0.0044)	ND(0.0060)	NA	ND(0.0054)
Trichloroethene	0.0065	ND(0.0044)	ND(0.0060)	NA	ND(0.0054)
Vinyl Chloride	ND(0.012)	ND(0.0088)	ND(0.012)	NA	ND(0.011)
Xylenes (total)	ND(0.0062)	ND(0.0044)	ND(0.0060)	NA	ND(0.0054)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(4.3)	ND(18)	ND(2.0)	ND(1.4)	NA
1,2,4-Trichlorobenzene	ND(4.3)	ND(18)	ND(2.0)	ND(1.4)	NA
1,4-Dichlorobenzene	ND(4.3)	ND(18)	ND(2.0)	ND(1.4)	NA
1,4-Naphthoquinone	ND(21)	ND(87)	ND(9.5)	ND(6.9)	NA
2-Methylnaphthalene	0.65 J	7.3 J	ND(2.0)	0.16 J	NA
3&4-Methylphenol	ND(8.6)	ND(36)	ND(3.9)	ND(2.9)	NA
3,3'-Dichlorobenzidine	ND(21)	ND(87)	ND(9.5)	ND(6.9)	NA
3-Methylcholanthrene	ND(21)	5.7 J	ND(9.5)	ND(6.9)	NA
Acenaphthene	2.1 J	30	ND(2.0)	0.89 J	NA
Acenaphthylene	1.4 J	2.2 J	ND(2.0)	0.21 J	NA
Aniline	ND(4.3)	ND(18)	ND(2.0)	ND(1.4)	NA
Anthracene	5.8	80	0.30 J	2.2	NA
Benzo(a)anthracene	13	210	1.4 J	4.8	NA
Benzo(a)pyrene	12	160	1.3 J	4.7	NA
Benzo(b)fluoranthene	12	160	1.3 J	4.1	NA
Benzo(g,h,i)perylene	5.2	36	0.42 J	3.3	NA
Benzo(k)fluoranthene	9.1	120	1.3 J	3.5	NA
bis(2-Ethylhexyl)phthalate	0.59 J	ND(18)	ND(2.0)	ND(1.4)	NA
Chrysene	15	200	1.5 J	5.2	NA
Dibenzo(a,h)anthracene	2.1 J	19	ND(2.0)	1.1 J	NA
Dibenzofuran	1.7 J	20	ND(2.0)	0.44 J	NA
Diethylphthalate	ND(4.3)	ND(18)	ND(2.0)	ND(1.4)	NA
Di-n-Butylphthalate	ND(4.3)	ND(18)	ND(2.0)	ND(1.4)	NA
Fluoranthene	33	520	3.0	11	NA
Fluorene	3.2 J	38	ND(2.0)	0.81 J	NA
Hexachlorobenzene	ND(4.3)	ND(18)	ND(2.0)	ND(1.4)	NA
Indeno(1,2,3-cd)pyrene	6.1	49	0.53 J	3.4	NA
Isophorone	ND(4.3)	ND(18)	ND(2.0)	1.3 J	NA
Naphthalene	1.2 J	20	ND(2.0)	0.29 J	NA
Pentachlorobenzene	ND(4.3)	ND(18)	ND(2.0)	ND(1.4)	NA
Pentachlorophenol	ND(21)	ND(87)	ND(9.5)	ND(6.9)	NA
Phenanthrene	25	300	1.1 J	8.9	NA
Phenol	0.41 J	ND(18)	ND(2.0)	ND(1.4)	NA
Pyrene	22	360	2.0	9.4	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-E7 0-1 02/27/03	RAA15-E8 1-3 02/26/03	RAA15-E11 0-1 02/21/03	RAA15-E11 3-6 02/27/03	RAA15-E11 4-6 02/27/03
Furans					
2,3,7,8-TCDF	ND(0.000018) X	0.000050	ND(0.000018) X	ND(0.000012) X	NA
TCDFs (total)	ND(0.00018) X	ND(0.00068) X	ND(0.00016) X	ND(0.00028) X	NA
1,2,3,7,8-PeCDF	0.0000063 J	0.000038 J	0.000011	0.0000044 J	NA
2,3,4,7,8-PeCDF	0.000011 J	0.000045 J	ND(0.000015) X	ND(0.0000076) X	NA
PeCDFs (total)	ND(0.00041) X	ND(0.0013) XJ	ND(0.00038) X	ND(0.00071) X	NA
1,2,3,4,7,8-HxCDF	0.000021 J	0.00029 J	0.000033	0.0000084 J	NA
1,2,3,6,7,8-HxCDF	ND(0.000045) X	ND(0.00016) XJ	ND(0.000044) X	ND(0.000093) X	NA
1,2,3,7,8,9-HxCDF	ND(0.00000061) X	ND(0.000013) XJ	0.0000011 J	ND(0.00000051)	NA
2,3,4,6,7,8-HxCDF	ND(0.0000062) X	ND(0.000018) XJ	0.0000062	0.0000081 J	NA
HxCDFs (total)	ND(0.00034) X	ND(0.0012) XJ	ND(0.00031) X	ND(0.00051) X	NA
1,2,3,4,6,7,8-HpCDF	0.000040	0.00015 J	0.000031	0.000025 J	NA
1,2,3,4,7,8,9-HpCDF	0.000012 J	0.00013 J	0.0000097	0.0000038 J	NA
HpCDFs (total)	ND(0.00012) X	ND(0.00044) XJ	0.000065	0.000065	NA
OCDF	0.000075	0.00022 J	0.000040	0.000025 J	NA
Dioxins					
2,3,7,8-TCDD	ND(0.0000015)	ND(0.0000079)	ND(0.00000032)	ND(0.0000011)	NA
TCDDs (total)	ND(0.0000015)	ND(0.0000064) X	ND(0.0000024) X	ND(0.0000011)	NA
1,2,3,7,8-PeCDD	ND(0.0000045) X	ND(0.00063) XJ	ND(0.0000013) X	ND(0.0000014) X	NA
PeCDDs (total)	ND(0.000015) X	ND(0.0023) XJ	ND(0.0000079) X	ND(0.000011) X	NA
1,2,3,4,7,8-HxCDD	0.0000016 J	ND(0.0000057) XJ	ND(0.00000069) X	ND(0.00000076) X	NA
1,2,3,6,7,8-HxCDD	0.0000047 J	ND(0.0000086) XJ	ND(0.0000011) X	0.0000026 J	NA
1,2,3,7,8,9-HxCDD	ND(0.0000036)	ND(0.0000076) XJ	ND(0.00000091) X	ND(0.0000020) X	NA
HxCDDs (total)	ND(0.000043) X	ND(0.0013) XJ	ND(0.000032) X	ND(0.000026) X	NA
1,2,3,4,6,7,8-HpCDD	0.000073	0.000069 J	0.000014	0.000025 J	NA
HpCDDs (total)	0.00013	0.00019 J	0.000029	0.000047 J	NA
OCDD	0.00065	0.00061	0.00012	0.00021	NA
Total TEQs (WHO TEFs)	0.000017	0.00039	0.000013	0.000011	NA
Inorganics					
Antimony	0.820 J	ND(6.50) J	ND(7.20)	ND(6.50) J	NA
Arsenic	5.80	4.40	1.70	7.40	NA
Barium	48.5	31.2	15.2 B	54.1	NA
Beryllium	0.440 B	ND(0.330)	ND(0.600)	0.470 B	NA
Cadmium	ND(0.650)	0.390 B	0.240 B	ND(0.540)	NA
Chromium	15.5	9.60	5.50	11.3	NA
Cobalt	7.90	7.00	3.60 B	7.70	NA
Copper	44.4	34.2	15.0	30.5	NA
Cyanide	0.300 B	0.210 B	ND(0.600)	0.220 B	NA
Lead	187	53.4	14.3	79.5	NA
Mercury	0.260	0.130	0.0250 B	0.270	NA
Nickel	17.8	12.2 J	7.20	15.5	NA
Selenium	ND(0.650)	6.20 J	ND(0.600)	ND(0.540)	NA
Silver	0.370 B	1.20	ND(1.20)	ND(1.10)	NA
Thallium	ND(1.30) J	ND(1.10)	ND(1.20) J	ND(1.10) J	NA
Tin	ND(13.0)	ND(10.6)	ND(4.70)	ND(10.8)	NA
Vanadium	17.9	10.6	5.50 B	13.9	NA
Zinc	148 J	105	45.2	93.0 J	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-E18 0-1 02/20/03	RAA15-E18 1-3 02/20/03	RAA15-E18 3-6 02/20/03	RAA15-E18 4-6 02/20/03	RAA15-E20 3-6 02/19/03
Volatile Organics					
2-Butanone	ND(0.0063)	0.0013 J	NA	0.0038 J	NA
Acetone	ND(0.025)	ND(0.026)	NA	0.0098 J	NA
Benzene	ND(0.0063)	ND(0.0064)	NA	ND(0.0058)	NA
Carbon Disulfide	ND(0.0063)	ND(0.0064)	NA	ND(0.0058)	NA
Chloroform	ND(0.0063)	ND(0.0064)	NA	ND(0.0058)	NA
Ethylbenzene	ND(0.0063)	ND(0.0064)	NA	ND(0.0058)	NA
Methylene Chloride	ND(0.0063)	ND(0.0064)	NA	ND(0.0058)	NA
Toluene	ND(0.0063)	ND(0.00081)	NA	ND(0.0058)	NA
trans-1,2-Dichloroethene	ND(0.0063)	ND(0.0064)	NA	ND(0.0058)	NA
Trichloroethene	ND(0.0063)	ND(0.0064)	NA	ND(0.0058)	NA
Vinyl Chloride	ND(0.013)	ND(0.013)	NA	ND(0.012)	NA
Xylenes (total)	ND(0.0063)	ND(0.0064)	NA	ND(0.0058)	NA
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.37)	ND(0.37)	ND(0.40)	NA	ND(0.44)
1,2,4-Trichlorobenzene	ND(0.37)	ND(0.37)	ND(0.40)	NA	ND(0.44)
1,4-Dichlorobenzene	ND(0.37)	ND(0.37)	ND(0.40)	NA	ND(0.44)
1,4-Naphthoquinone	ND(1.8)	ND(1.8)	ND(2.0)	NA	ND(2.1)
2-Methylnaphthalene	ND(0.37)	ND(0.37)	0.034 J	NA	0.035 J
3&4-Methylphenol	ND(0.75)	ND(0.75)	ND(0.81)	NA	ND(0.88)
3,3'-Dichlorobenzidine	ND(1.8)	ND(1.8)	ND(2.0)	NA	ND(2.1)
3-Methylcholanthrene	ND(1.8)	ND(1.8)	ND(2.0)	NA	ND(2.1)
Acenaphthene	ND(0.37)	ND(0.37)	0.069 J	NA	0.059 J
Acenaphthylene	ND(0.37)	ND(0.37)	ND(0.40)	NA	0.043 J
Aniline	ND(0.37)	ND(0.37)	ND(0.40)	NA	ND(0.44)
Anthracene	ND(0.37)	ND(0.37)	0.16 J	NA	0.13 J
Benzo(a)anthracene	0.074 J	0.10 J	0.31 J	NA	0.30 J
Benzo(a)pyrene	0.076 J	0.095 J	0.27 J	NA	0.30 J
Benzo(b)fluoranthene	0.065 J	0.083 J	0.22 J	NA	0.22 J
Benzo(g,h,i)perylene	ND(0.37)	ND(0.37)	0.098 J	NA	0.13 J
Benzo(k)fluoranthene	0.078 J	0.090 J	0.28 J	NA	0.28 J
bis(2-Ethylhexyl)phthalate	ND(0.37)	ND(0.37)	ND(0.40)	NA	ND(0.44)
Chrysene	0.091 J	0.12 J	0.32 J	NA	0.35 J
Dibenzo(a,h)anthracene	ND(0.37)	ND(0.37)	ND(0.40)	NA	ND(0.44)
Dibenzofuran	ND(0.37)	ND(0.37)	0.056 J	NA	0.043 J
Diethylphthalate	ND(0.37)	ND(0.37)	ND(0.40)	NA	ND(0.44)
Di-n-Butylphthalate	ND(0.37)	ND(0.37)	ND(0.40)	NA	ND(0.44)
Fluoranthene	0.16 J	0.20 J	0.65	NA	0.60
Fluorene	ND(0.37)	ND(0.37)	0.080 J	NA	0.068 J
Hexachlorobenzene	ND(0.37)	ND(0.37)	ND(0.40)	NA	ND(0.44)
Indeno(1,2,3-cd)pyrene	ND(0.37)	ND(0.37)	0.12 J	NA	0.14 J
Isophorone	ND(0.37)	ND(0.37)	ND(0.40)	NA	ND(0.44)
Naphthalene	ND(0.37)	ND(0.37)	0.081 J	NA	0.052 J
Pentachlorobenzene	ND(0.37)	ND(0.37)	ND(0.40)	NA	ND(0.44)
Pentachlorophenol	ND(1.8)	ND(1.8)	ND(2.0)	NA	ND(2.1)
Phenanthrene	0.082 J	0.16 J	0.57	NA	0.58
Phenol	ND(0.37)	ND(0.37)	ND(0.40)	NA	ND(0.44)
Pyrene	0.13 J	0.17 J	0.48	NA	0.49

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA15-E18 0-1 02/20/03	RAA15-E18 1-3 02/20/03	RAA15-E18 3-6 02/20/03	RAA15-E18 4-6 02/20/03	RAA15-E20 3-6 02/19/03
Furans					
2,3,7,8-TCDF	ND(0.0000015) X	ND(0.0000018) X	ND(0.0000019) X	NA	ND(0.0000020) X
TCDFs (total)	ND(0.000068) X	ND(0.000047) X	ND(0.000026) X	NA	ND(0.000020) X
1,2,3,7,8-PeCDF	ND(0.00000041) X	0.00000071 J	ND(0.00000052) X	NA	0.0000012 J
2,3,4,7,8-PeCDF	ND(0.00000070) X	0.0000011 J	ND(0.00000083) X	NA	0.0000018 J
PeCDFs (total)	ND(0.00013) X	ND(0.000074) X	ND(0.000045) X	NA	ND(0.000031) X
1,2,3,4,7,8-HxCDF	0.0000016 J	0.0000016 J	0.0000014 J	NA	0.0000044 J
1,2,3,6,7,8-HxCDF	ND(0.000012) X	ND(0.0000067) X	ND(0.0000056) X	NA	ND(0.0000042) X
1,2,3,7,8,9-HxCDF	ND(0.00000029)	ND(0.00000031)	ND(0.00000017)	NA	ND(0.00000029)
2,3,4,6,7,8-HxCDF	ND(0.00000055) X	ND(0.00000070) X	0.00000074 J	NA	ND(0.00000085) X
HxCDFs (total)	ND(0.00010) X	ND(0.000059) X	ND(0.000050) X	NA	ND(0.00019) X
1,2,3,4,6,7,8-HpCDF	0.000024	0.000045	0.000045	NA	0.00043
1,2,3,4,7,8,9-HpCDF	ND(0.00000049)	ND(0.00000087) X	0.0000011 J	NA	0.0000052 J
HpCDFs (total)	0.000045	ND(0.000079) X	0.000083	NA	0.00094
OCDF	0.000020	0.000037	0.000037	NA	0.00050
Dioxins					
2,3,7,8-TCDD	ND(0.00000063)	ND(0.00000063)	ND(0.00000045)	NA	ND(0.00000043)
TCDDs (total)	ND(0.00000063)	ND(0.00000075) X	0.00000051 J	NA	ND(0.00000043)
1,2,3,7,8-PeCDD	ND(0.00000043) X	ND(0.00000039)	ND(0.00000030)	NA	ND(0.00000029)
PeCDDs (total)	ND(0.0000024) X	ND(0.0000015) X	ND(0.00000079) X	NA	ND(0.00000071) X
1,2,3,4,7,8-HxCDD	ND(0.00000039)	ND(0.00000047)	ND(0.00000028)	NA	ND(0.00000052) X
1,2,3,6,7,8-HxCDD	ND(0.00000090) X	ND(0.0000014) X	0.0000041 J	NA	0.0000046 J
1,2,3,7,8,9-HxCDD	ND(0.00000082) X	0.00000097 J	0.00000084 J	NA	0.0000016 J
HxCDDs (total)	ND(0.0000087) X	ND(0.000011) X	ND(0.000011) X	NA	ND(0.000028) X
1,2,3,4,6,7,8-HpCDD	0.000020	0.000032	0.000031	NA	0.00024
HpCDDs (total)	0.000036	0.000052	0.000051	NA	0.00055
OCDD	0.00017	0.00026	0.00032	NA	0.0034
Total TEQs (WHO TEFs)	0.0000022	0.0000027	0.0000025	NA	0.0000099
Inorganics					
Antimony	ND(6.80)	0.440 B	ND(7.30)	NA	ND(8.00)
Arsenic	2.20	2.60	2.00	NA	2.10
Barium	25.4	24.3	30.7	NA	28.8
Beryllium	0.190 B	0.0610 B	ND(0.610)	NA	0.220 B
Cadmium	0.280 B	0.270 B	0.300 B	NA	0.250 B
Chromium	9.60	9.40	11.0	NA	14.2
Cobalt	5.50 B	5.70	6.50	NA	5.40 B
Copper	12.2	11.1	13.1	NA	14.6
Cyanide	0.360 B	0.210 B	ND(0.610)	NA	ND(0.670)
Lead	12.2	12.9	16.0	NA	24.9
Mercury	0.0330 B	0.0480	0.0590	NA	0.140
Nickel	10.0	10.2	11.0	NA	10.5
Selenium	ND(0.570)	ND(0.570)	ND(0.610)	NA	ND(0.670)
Silver	ND(1.10)	ND(1.10)	ND(1.20)	NA	ND(1.30)
Thallium	ND(1.10)	ND(1.10)	ND(1.20)	NA	ND(1.30) J
Tin	ND(5.40)	ND(4.80)	ND(5.70)	NA	ND(7.80)
Vanadium	8.50	8.80	8.90	NA	9.10
Zinc	47.0	50.3	55.4	NA	56.0

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-E20 4-6 02/19/03	RAA15-E21 0-1 02/19/03	RAA15-F2 0-1 03/10/03	RAA15-F2 1-3 03/10/03	RAA15-F2 6-10 03/10/03
Volatile Organics					
2-Butanone	ND(0.0062) J	ND(0.0061) J	ND(0.0088) J	ND(0.0047) J	NA
Acetone	ND(0.025) J	ND(0.024) J	ND(0.035) J	ND(0.019) J	NA
Benzene	ND(0.0062)	ND(0.0061)	ND(0.0088)	ND(0.0047)	NA
Carbon Disulfide	ND(0.0062)	ND(0.0061)	ND(0.0088)	ND(0.0047)	NA
Chloroform	ND(0.0062)	ND(0.0061)	ND(0.0088)	ND(0.0047)	NA
Ethylbenzene	ND(0.0062)	ND(0.0061)	ND(0.0088)	ND(0.0047)	NA
Methylene Chloride	ND(0.0062)	ND(0.0061)	ND(0.0088)	ND(0.0047)	NA
Toluene	ND(0.0062)	ND(0.0061)	ND(0.0088)	ND(0.0047)	NA
trans-1,2-Dichloroethene	ND(0.0062)	ND(0.0061)	ND(0.0088)	ND(0.0047)	NA
Trichloroethene	ND(0.0062)	ND(0.0061)	ND(0.0088)	ND(0.0047)	NA
Vinyl Chloride	ND(0.012)	ND(0.012)	ND(0.018)	ND(0.0093)	NA
Xylenes (total)	ND(0.0062)	ND(0.0061)	ND(0.0088)	ND(0.0047)	NA
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	ND(0.42)	ND(0.46)	ND(0.35)	ND(0.36)
1,2,4-Trichlorobenzene	NA	ND(0.42)	ND(0.46)	ND(0.35)	ND(0.36)
1,4-Dichlorobenzene	NA	ND(0.42)	ND(0.46)	ND(0.35)	ND(0.36)
1,4-Naphthoquinone	NA	ND(2.0)	ND(2.2)	ND(1.7)	ND(1.7)
2-Methylnaphthalene	NA	ND(0.42)	0.034 J	ND(0.35)	ND(0.36)
3&4-Methylphenol	NA	ND(0.83)	ND(0.91)	ND(0.69)	ND(0.71)
3,3'-Dichlorobenzidine	NA	ND(2.0)	ND(2.2)	ND(1.7)	ND(1.7)
3-Methylcholanthrene	NA	ND(2.0)	ND(2.2)	ND(1.7)	ND(1.7)
Acenaphthene	NA	ND(0.42)	0.059 J	ND(0.35)	ND(0.36)
Acenaphthylene	NA	0.085 J	0.13 J	ND(0.35)	ND(0.36)
Aniline	NA	ND(0.42)	0.060 J	ND(0.35)	ND(0.36)
Anthracene	NA	0.086 J	0.20 J	ND(0.35)	ND(0.36)
Benzo(a)anthracene	NA	0.29 J	0.59	ND(0.35)	ND(0.36)
Benzo(a)pyrene	NA	0.32 J	0.64	ND(0.35)	ND(0.36)
Benzo(b)fluoranthene	NA	0.26 J	0.65	ND(0.35)	ND(0.36)
Benzo(g,h,i)perylene	NA	0.15 J	0.23 J	ND(0.35)	ND(0.36)
Benzo(k)fluoranthene	NA	0.32 J	0.67	ND(0.35)	ND(0.36)
bis(2-Ethylhexyl)phthalate	NA	ND(0.42)	ND(0.46)	ND(0.35)	ND(0.36)
Chrysene	NA	0.40 J	0.71	ND(0.35)	ND(0.36)
Dibenzo(a,h)anthracene	NA	ND(0.42)	0.081 J	ND(0.35)	ND(0.36)
Dibenzofuran	NA	ND(0.42)	0.051 J	ND(0.35)	ND(0.36)
Diethylphthalate	NA	ND(0.42)	ND(0.46)	ND(0.35)	ND(0.36)
Di-n-Butylphthalate	NA	ND(0.42)	0.083 J	ND(0.35)	ND(0.36)
Fluoranthene	NA	0.64	1.3	ND(0.35)	ND(0.36)
Fluorene	NA	0.040 J	0.070 J	ND(0.35)	ND(0.36)
Hexachlorobenzene	NA	ND(0.42)	ND(0.46)	ND(0.35)	ND(0.36)
Indeno(1,2,3-cd)pyrene	NA	0.17 J	0.28 J	ND(0.35)	ND(0.36)
Isophorone	NA	ND(0.42)	ND(0.46)	ND(0.35)	ND(0.36)
Naphthalene	NA	0.031 J	0.044 J	ND(0.35)	ND(0.36)
Pentachlorobenzene	NA	ND(0.42)	ND(0.46)	ND(0.35)	ND(0.36)
Pentachlorophenol	NA	ND(2.0)	ND(2.2)	ND(1.7)	ND(1.7)
Phenanthrene	NA	0.42	0.93	ND(0.35)	ND(0.36)
Phenol	NA	ND(0.42)	0.031 J	ND(0.35)	ND(0.36)
Pyrene	NA	0.56	0.92	ND(0.35)	ND(0.36)

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-E20 4-6 02/19/03	RAA15-E21 0-1 02/19/03	RAA15-F2 0-1 03/10/03	RAA15-F2 1-3 03/10/03	RAA15-F2 6-10 03/10/03
Furans					
2,3,7,8-TCDF	NA	ND(0.0000015) X	0.000024	0.0000026	0.0000016
TCDFs (total)	NA	ND(0.000011) X	ND(0.00022) X	ND(0.000022) X	ND(0.000013) X
1,2,3,7,8-PeCDF	NA	ND(0.00000038) X	0.0000065 J	0.0000020 J	0.0000010 J
2,3,4,7,8-PeCDF	NA	0.00000056 J	0.0000075	0.0000018 J	0.0000010 J
PeCDFs (total)	NA	ND(0.000019) X	ND(0.00031) X	ND(0.000026) X	ND(0.000010) X
1,2,3,4,7,8-HxCDF	NA	0.00000093 J	0.0000084	0.0000045 J	0.0000030 J
1,2,3,6,7,8-HxCDF	NA	ND(0.0000024) X	0.0000046 J	0.0000019 J	0.0000012 J
1,2,3,7,8,9-HxCDF	NA	ND(0.00000012)	ND(0.00000022) X	ND(0.00000011)	ND(0.000000094)
2,3,4,6,7,8-HxCDF	NA	0.00000047 J	0.0000054 J	0.00000067 J	0.00000035 J
HxCDFs (total)	NA	ND(0.000024) X	ND(0.00026) XQ	ND(0.000020) XQ	ND(0.0000082) X
1,2,3,4,6,7,8-HpCDF	NA	0.000026	0.000019	0.0000047 J	0.0000020 J
1,2,3,4,7,8,9-HpCDF	NA	0.00000063 J	0.0000024 J	0.00000082 J	ND(0.00000060) X
HpCDFs (total)	NA	0.000051	ND(0.000050) X	ND(0.000010) X	ND(0.0000035) X
OCDF	NA	0.000023	0.000012 J	0.0000051 J	0.0000014 J
Dioxins					
2,3,7,8-TCDD	NA	ND(0.00000033)	ND(0.00000032)	ND(0.00000023)	ND(0.00000021)
TCDDs (total)	NA	ND(0.00000033)	ND(0.0000025) X	ND(0.00000023)	ND(0.00000021)
1,2,3,7,8-PeCDD	NA	ND(0.00000027) X	ND(0.00000049) X	ND(0.00000015)	ND(0.00000012)
PeCDDs (total)	NA	ND(0.0000011) X	ND(0.0000061) X	ND(0.00000015)	ND(0.00000012)
1,2,3,4,7,8-HxCDD	NA	ND(0.00000023) X	ND(0.00000055) X	ND(0.00000015)	ND(0.00000014)
1,2,3,6,7,8-HxCDD	NA	ND(0.00000091) X	0.0000014 J	ND(0.00000027) X	ND(0.00000013)
1,2,3,7,8,9-HxCDD	NA	0.0000012 J	0.0000013 QJ	ND(0.00000014)	ND(0.00000013)
HxCDDs (total)	NA	ND(0.0000080) X	ND(0.000015) XQJ	ND(0.0000012) X	ND(0.00000067) X
1,2,3,4,6,7,8-HpCDD	NA	0.000028	0.000014 QJ	0.0000049 QJ	ND(0.00000023)
HpCDDs (total)	NA	0.000053	0.000033 QJ	0.0000095 QJ	ND(0.00000032) X
OCDD	NA	0.00028	0.000080	0.000048	ND(0.0000012) X
Total TEQs (WHO TEFs)	NA	0.0000017	0.0000094	0.0000023	0.0000014
Inorganics					
Antimony	NA	ND(7.60)	2.50 B	ND(6.30)	ND(6.50)
Arsenic	NA	2.20	3.70	2.80	6.20
Barium	NA	29.4	38.6 J	14.4 J	21.4 J
Beryllium	NA	0.260 B	0.390 B	0.290 B	0.410 B
Cadmium	NA	0.260 B	ND(0.690)	ND(0.520)	ND(0.540)
Chromium	NA	12.5	7.10	5.60	10.1
Cobalt	NA	5.90 B	5.20 B	5.30	10.8
Copper	NA	14.9	61.8 J	9.90 J	26.1 J
Cyanide	NA	ND(0.630)	0.270 B	ND(0.520)	0.200 B
Lead	NA	18.6	77.6 J	7.10 J	10.1 J
Mercury	NA	0.110	2.30 J	0.490 J	0.510 J
Nickel	NA	10.6	9.70	8.10	17.9
Selenium	NA	ND(0.630)	ND(0.690)	ND(0.520)	ND(0.540)
Silver	NA	ND(1.30)	ND(1.40)	ND(1.00)	ND(1.10)
Thallium	NA	ND(1.30) J	ND(1.40)	ND(1.00)	ND(1.10)
Tin	NA	ND(6.20)	16.1 J	ND(6.20)	ND(3.00)
Vanadium	NA	10.1	9.90	5.20 B	9.50
Zinc	NA	57.3	65.1	31.7	53.4

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-F2 8-10 03/10/03	RAA15-F7 6-8 03/05/03	RAA15-F7 6-10 03/05/03	RAA15-F19 0-1 02/18/03	RAA15-F22 0-1 02/18/03
Volatile Organics					
2-Butanone	ND(0.0047) J	0.014 J	NA	ND(0.0085) J [ND(0.0093) J]	ND(0.0070) J
Acetone	ND(0.019) J	0.033 J	NA	ND(0.034) J [ND(0.037) J]	ND(0.028) J
Benzene	ND(0.0047)	0.0021 J	NA	ND(0.0085) [ND(0.0093)]	ND(0.0070)
Carbon Disulfide	ND(0.0047)	ND(0.0093)	NA	ND(0.0085) [ND(0.0093)]	ND(0.0070)
Chloroform	ND(0.0047)	ND(0.0093)	NA	ND(0.0085) [ND(0.0093)]	ND(0.0070)
Ethylbenzene	ND(0.0047)	ND(0.0093)	NA	ND(0.0085) [ND(0.0093)]	ND(0.0070)
Methylene Chloride	ND(0.0047)	0.0025 J	NA	ND(0.0085) [ND(0.0093)]	ND(0.0070)
Toluene	ND(0.0047)	ND(0.0093)	NA	ND(0.0085) [ND(0.0093)]	ND(0.0070)
trans-1,2-Dichloroethene	ND(0.0047)	0.0057 J	NA	ND(0.0085) [ND(0.0093)]	ND(0.0070)
Trichloroethene	ND(0.0047)	0.0011 J	NA	ND(0.0085) [ND(0.0093)]	ND(0.0070)
Vinyl Chloride	ND(0.0094)	0.0028 J	NA	ND(0.017) [ND(0.019)]	ND(0.014)
Xylenes (total)	ND(0.0047)	ND(0.0093)	NA	ND(0.0085) [ND(0.0093)]	ND(0.0070)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	NA	ND(0.44)	ND(0.55) [ND(1.1)]	ND(0.48)
1,2,4-Trichlorobenzene	NA	NA	ND(0.44)	ND(0.55) [ND(1.1)]	ND(0.48)
1,4-Dichlorobenzene	NA	NA	ND(0.44)	ND(0.55) [ND(1.1)]	ND(0.48)
1,4-Naphthoquinone	NA	NA	ND(2.1)	ND(2.7) [ND(5.4)]	ND(2.3)
2-Methylnaphthalene	NA	NA	ND(0.44)	ND(0.55) [ND(1.1)]	ND(0.48)
3&4-Methylphenol	NA	NA	ND(0.88)	ND(1.1) [ND(2.2)]	ND(0.96)
3,3'-Dichlorobenzidine	NA	NA	ND(2.1)	ND(2.7) [ND(5.4)]	ND(2.3)
3-Methylcholanthrene	NA	NA	ND(2.1)	ND(2.7) [ND(5.4)]	ND(2.3)
Acenaphthene	NA	NA	ND(0.44)	ND(0.55) [ND(1.1)]	ND(0.48)
Acenaphthylene	NA	NA	ND(0.44)	0.22 J [0.12 J]	0.052 J
Aniline	NA	NA	ND(0.44)	ND(0.55) [ND(1.1)]	ND(0.48)
Anthracene	NA	NA	ND(0.44)	0.15 J [ND(1.1)]	ND(0.48)
Benzo(a)anthracene	NA	NA	ND(0.44)	0.49 J [0.33 J]	0.20 J
Benzo(a)pyrene	NA	NA	ND(0.44)	0.63 [0.39 J]	0.23 J
Benzo(b)fluoranthene	NA	NA	ND(0.44)	0.64 [0.35 J]	0.21 J
Benzo(g,h,i)perylene	NA	NA	ND(0.44)	0.19 J [0.31 J]	0.13 J
Benzo(k)fluoranthene	NA	NA	ND(0.44)	0.69 [0.38 J]	0.22 J
bis(2-Ethylhexyl)phthalate	NA	NA	ND(0.44)	ND(0.55) [ND(1.1)]	ND(0.48)
Chrysene	NA	NA	ND(0.44)	0.77 [0.51 J]	0.27 J
Dibenzo(a,h)anthracene	NA	NA	ND(0.44)	ND(0.55) [ND(1.1)]	ND(0.48)
Dibenzofuran	NA	NA	ND(0.44)	ND(0.55) [ND(1.1)]	ND(0.48)
Diethylphthalate	NA	NA	ND(0.44)	ND(0.55) [ND(1.1)]	ND(0.48)
Di-n-Butylphthalate	NA	NA	ND(0.44)	ND(0.55) [ND(1.1)]	ND(0.48)
Fluoranthene	NA	NA	ND(0.44)	1.5 [0.89 J]	0.40 J
Fluorene	NA	NA	ND(0.44)	0.058 J [ND(1.1)]	ND(0.48)
Hexachlorobenzene	NA	NA	ND(0.44)	ND(0.55) [ND(1.1)]	ND(0.48)
Indeno(1,2,3-cd)pyrene	NA	NA	ND(0.44)	0.23 J [0.30 J]	0.15 J
Isophorone	NA	NA	ND(0.44)	ND(0.55) [ND(1.1)]	ND(0.48)
Naphthalene	NA	NA	ND(0.44)	0.038 J [ND(1.1)]	ND(0.48)
Pentachlorobenzene	NA	NA	ND(0.44)	ND(0.55) [ND(1.1)]	ND(0.48)
Pentachlorophenol	NA	NA	ND(2.1)	ND(2.7) [ND(5.4)]	ND(2.3)
Phenanthrene	NA	NA	ND(0.44)	0.78 [0.57 J]	0.21 J
Phenol	NA	NA	ND(0.44)	ND(0.55) [ND(1.1)]	ND(0.48)
Pyrene	NA	NA	ND(0.44)	0.98 [0.87 J]	0.36 J

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-F2 8-10 03/10/03	RAA15-F7 6-8 03/05/03	RAA15-F7 6-10 03/05/03	RAA15-F19 0-1 02/18/03	RAA15-F22 0-1 02/18/03
Furans					
2,3,7,8-TCDF	NA	NA	ND(0.00000025)	0.000011 J [0.0000038 J]	0.000021
TCDFs (total)	NA	NA	ND(0.00000025)	ND(0.0014) X [ND(0.000094) X]	ND(0.00012) X
1,2,3,7,8-PeCDF	NA	NA	ND(0.00000015)	0.0000033 J [ND(0.0000010) X]	0.0000050 J
2,3,4,7,8-PeCDF	NA	NA	ND(0.00000014)	0.0000086 [0.0000014 J]	0.0000047 J
PeCDFs (total)	NA	NA	ND(0.00000014)	ND(0.0043) X [ND(0.00027) X]	ND(0.000070) X
1,2,3,4,7,8-HxCDF	NA	NA	ND(0.000000093)	0.000018 [0.0000026 J]	0.0000049 J
1,2,3,6,7,8-HxCDF	NA	NA	ND(0.000000086)	ND(0.00065) X [ND(0.000050) X]	ND(0.0000059) X
1,2,3,7,8,9-HxCDF	NA	NA	ND(0.00000011)	0.00000069 J [ND(0.00000023)]	ND(0.00000014)
2,3,4,6,7,8-HxCDF	NA	NA	ND(0.000000099)	0.000011 [0.0000016 J]	0.0000012 J
HxCDFs (total)	NA	NA	ND(0.000000096)	ND(0.0031) X [ND(0.00023) X]	ND(0.000053) X
1,2,3,4,6,7,8-HpCDF	NA	NA	ND(0.00000014)	0.00011 J [0.000035 J]	0.000033
1,2,3,4,7,8,9-HpCDF	NA	NA	ND(0.00000018)	0.00001 J [0.0000014 J]	0.0000012 J
HpCDFs (total)	NA	NA	ND(0.00000016)	0.00025 J [0.00007 J]	0.000063
OCDF	NA	NA	ND(0.00000019)	0.000085 J [0.000023 J]	0.000025
Dioxins					
2,3,7,8-TCDD	NA	NA	ND(0.00000033)	ND(0.00000061) [ND(0.00000057)]	ND(0.00000035)
TCDDs (total)	NA	NA	ND(0.00000033)	ND(0.0000033) X [ND(0.00000057)]	ND(0.0000023) X
1,2,3,7,8-PeCDD	NA	NA	ND(0.00000016)	ND(0.0000047) X [0.0000076 J]	ND(0.00000026)
PeCDDs (total)	NA	NA	ND(0.00000016)	ND(0.000034) X [ND(0.0000098) X]	ND(0.0000022) X
1,2,3,4,7,8-HxCDD	NA	NA	ND(0.00000018)	ND(0.0000041) X [0.00000054 J]	ND(0.00000031) X
1,2,3,6,7,8-HxCDD	NA	NA	ND(0.00000016)	0.000011 [ND(0.0000014) X]	ND(0.0000011) X
1,2,3,7,8,9-HxCDD	NA	NA	ND(0.00000017)	0.0000081 J [0.0000013 J]	0.00000085 J
HxCDDs (total)	NA	NA	ND(0.00000017)	ND(0.00011) X [ND(0.000014) X]	ND(0.0000085) X
1,2,3,4,6,7,8-HpCDD	NA	NA	ND(0.00000019)	0.000097 J [0.000023 J]	0.000022
HpCDDs (total)	NA	NA	ND(0.00000019)	0.00018 J [0.000041 J]	0.000038
OCDD	NA	NA	ND(0.00000070) X	0.00064 J [0.00017 J]	0.00019
Total TEQs (WHO TEFs)	NA	NA	0.00000034	0.000048 [0.000013]	0.0000067
Inorganics					
Antimony	NA	NA	0.660 J	ND(10.1) J [ND(10.2)]	ND(8.70) J
Arsenic	NA	NA	5.70	5.70 [5.90]	7.20
Barium	NA	NA	110	80.1 [75.9]	80.0
Beryllium	NA	NA	0.380 B	1.00 [ND(1.00)]	0.880
Cadmium	NA	NA	0.0640 B	1.00 [1.10]	1.00
Chromium	NA	NA	9.70	37.0 [32.3]	52.0
Cobalt	NA	NA	4.60 B	10.9 [10.5]	10.9
Copper	NA	NA	21.4	41.3 [38.8]	48.6
Cyanide	NA	NA	ND(0.670)	ND(0.750) [ND(0.850)]	ND(0.720)
Lead	NA	NA	99.7	86.9 [78.9]	87.9
Mercury	NA	NA	0.0280 J	0.440 [0.470]	0.800
Nickel	NA	NA	10.4	22.5 [20.8]	20.2
Selenium	NA	NA	ND(0.670)	1.10 [0.950]	1.10
Silver	NA	NA	ND(1.30)	ND(1.70) [0.160 B]	ND(1.50)
Thallium	NA	NA	0.770 J	2.30 [1.10 B]	2.20
Tin	NA	NA	ND(7.20)	11.5 B [11.1 B]	12.2 B
Vanadium	NA	NA	15.6	25.2 [25.5]	20.3
Zinc	NA	NA	80.0	141 [130]	132

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-F24 0-1 02/18/03	RAA15-F24 1-3 02/18/03	RAA15-G2 3-6 03/07/03	RAA15-G2 4-6 03/07/03	RAA15-G4 0-1 03/04/03
Volatile Organics					
2-Butanone	ND(0.0064) J	ND(0.0049) J	NA	ND(0.0048) J	ND(0.0043) J
Acetone	ND(0.026) J	ND(0.020) J	NA	ND(0.019) J	ND(0.017)
Benzene	ND(0.0064)	ND(0.0049)	NA	ND(0.0048)	ND(0.0043)
Carbon Disulfide	ND(0.0064)	ND(0.0049)	NA	ND(0.0048)	ND(0.0043)
Chloroform	ND(0.0064)	ND(0.0049)	NA	ND(0.0048)	ND(0.0043)
Ethylbenzene	ND(0.0064)	ND(0.0049)	NA	ND(0.0048)	ND(0.0043)
Methylene Chloride	ND(0.0064)	ND(0.0049)	NA	ND(0.0048)	0.0016 J
Toluene	ND(0.0064)	ND(0.0049)	NA	ND(0.0048)	ND(0.0043)
trans-1,2-Dichloroethene	ND(0.0064)	ND(0.0049)	NA	ND(0.0048)	ND(0.0043)
Trichloroethene	ND(0.0064)	ND(0.0049)	NA	ND(0.0048)	ND(0.0043)
Vinyl Chloride	ND(0.013)	ND(0.0098)	NA	ND(0.0096)	ND(0.0087)
Xylenes (total)	ND(0.0064)	ND(0.0049)	NA	ND(0.0048)	ND(0.0043)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.45)	ND(0.41)	0.11 J	NA	ND(0.76)
1,2,4-Trichlorobenzene	ND(0.45)	ND(0.41)	ND(0.38)	NA	ND(0.76)
1,4-Dichlorobenzene	ND(0.45)	ND(0.41)	ND(0.38)	NA	ND(0.76)
1,4-Naphthoquinone	ND(2.2)	ND(2.0)	ND(1.8)	NA	ND(3.7)
2-Methylnaphthalene	ND(0.45)	ND(0.41)	0.033 J	NA	ND(0.76)
3&4-Methylphenol	ND(0.90)	ND(0.82)	ND(0.76)	NA	ND(1.5)
3,3'-Dichlorobenzidine	ND(2.2)	ND(2.0)	ND(1.8)	NA	ND(3.7)
3-Methylcholanthrene	ND(2.2)	ND(2.0)	ND(1.8)	NA	ND(3.7)
Acenaphthene	ND(0.45)	ND(0.41)	0.11 J	NA	0.061 J
Acenaphthylene	0.046 J	ND(0.41)	0.14 J	NA	ND(0.76)
Aniline	ND(0.45)	ND(0.41)	ND(0.38)	NA	ND(0.76)
Anthracene	ND(0.45)	ND(0.41)	0.53	NA	0.15 J
Benzo(a)anthracene	0.20 J	0.090 J	1.5	NA	0.49 J
Benzo(a)pyrene	0.22 J	0.098 J	1.3	NA	0.54 J
Benzo(b)fluoranthene	0.18 J	0.081 J	1.2	NA	0.52 J
Benzo(g,h,i)perylene	0.15 J	0.070 J	0.97	NA	0.22 J
Benzo(k)fluoranthene	0.21 J	0.096 J	0.93	NA	0.51 J
bis(2-Ethylhexyl)phthalate	ND(0.45)	ND(0.41)	ND(0.38)	NA	ND(0.76)
Chrysene	0.25 J	0.11 J	1.5	NA	0.57 J
Dibenzo(a,h)anthracene	ND(0.45)	ND(0.41)	0.33 J	NA	ND(0.76)
Dibenzofuran	ND(0.45)	ND(0.41)	0.082 J	NA	ND(0.76)
Diethylphthalate	ND(0.45)	ND(0.41)	ND(0.38)	NA	ND(0.76)
Di-n-Butylphthalate	ND(0.45)	ND(0.41)	ND(0.38)	NA	ND(0.76)
Fluoranthene	0.37 J	0.17 J	3.1	NA	1.3
Fluorene	ND(0.45)	ND(0.41)	0.14 J	NA	ND(0.76)
Hexachlorobenzene	ND(0.45)	ND(0.41)	ND(0.38)	NA	ND(0.76)
Indeno(1,2,3-cd)pyrene	0.18 J	0.078 J	1.1	NA	0.26 J
Isophorone	ND(0.45)	ND(0.41)	ND(0.38)	NA	ND(0.76)
Naphthalene	ND(0.45)	ND(0.41)	0.054 J	NA	ND(0.76)
Pentachlorobenzene	ND(0.45)	ND(0.41)	ND(0.38)	NA	ND(0.76)
Pentachlorophenol	ND(2.2)	ND(2.0)	ND(1.8)	NA	ND(3.7)
Phenanthrene	0.19 J	0.093 J	2.1	NA	0.66 J
Phenol	ND(0.45)	ND(0.41)	ND(0.38)	NA	ND(0.76)
Pyrene	0.35 J	0.16 J	2.8	NA	0.77

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-F24 0-1 02/18/03	RAA15-F24 1-3 02/18/03	RAA15-G2 3-6 03/07/03	RAA15-G2 4-6 03/07/03	RAA15-G4 0-1 03/04/03
Furans					
2,3,7,8-TCDF	ND(0.000016) X	0.0000036	ND(0.000085) X	NA	ND(0.0000021) X
TCDFs (total)	ND(0.000062) X	ND(0.000010) X	ND(0.00061) XQJ	NA	ND(0.000017) X
1,2,3,7,8-PeCDF	0.0000044 J	ND(0.00000090) X	0.000050	NA	ND(0.00000085) X
2,3,4,7,8-PeCDF	0.0000038 J	ND(0.00000027)	0.000049	NA	0.0000012 J
PeCDFs (total)	ND(0.000048) X	ND(0.0000069) X	ND(0.00059) X	NA	ND(0.000045) X
1,2,3,4,7,8-HxCDF	0.0000046 J	ND(0.00000072) X	0.00012	NA	0.0000019 J
1,2,3,6,7,8-HxCDF	ND(0.0000043) X	ND(0.00000079) X	ND(0.000056) X	NA	ND(0.0000023) X
1,2,3,7,8,9-HxCDF	ND(0.00000026)	ND(0.00000021)	0.0000030 J	NA	ND(0.00000017)
2,3,4,6,7,8-HxCDF	0.00000099 J	0.00000024 J	0.000015	NA	ND(0.00000061) X
HxCDFs (total)	ND(0.000046) X	ND(0.0000078) X	ND(0.00038) XQJ	NA	ND(0.000026) X
1,2,3,4,6,7,8-HpCDF	0.000045	0.0000084	0.000078	NA	0.0000043 J
1,2,3,4,7,8,9-HpCDF	ND(0.0000014) X	ND(0.00000037)	0.000025	NA	ND(0.00000030)
HpCDFs (total)	ND(0.000096) X	0.000015	ND(0.00014) X	NA	0.0000082 J
OCDF	0.000073	ND(0.0000061) X	0.000068	NA	0.0000041 J
Dioxins					
2,3,7,8-TCDD	ND(0.00000047)	ND(0.00000047)	ND(0.00000054) X	NA	ND(0.00000027)
TCDDs (total)	0.00000042 J	ND(0.00000047)	ND(0.000014) X	NA	ND(0.00000043) X
1,2,3,7,8-PeCDD	ND(0.00000048) X	ND(0.00000026)	ND(0.0000030) X	NA	ND(0.00000018)
PeCDDs (total)	ND(0.0000014) X	ND(0.00000026)	ND(0.000020) X	NA	ND(0.00000055) X
1,2,3,4,7,8-HxCDD	ND(0.00000033)	ND(0.00000028)	ND(0.00000084) X	NA	ND(0.00000023)
1,2,3,6,7,8-HxCDD	0.0000016 J	ND(0.00000026)	0.0000015 J	NA	0.00000055 J
1,2,3,7,8,9-HxCDD	0.00000092 J	ND(0.00000027)	0.0000015 QJ	NA	ND(0.00000044) X
HxCDDs (total)	0.0000096 J	ND(0.0000010) X	ND(0.000026) XQJ	NA	ND(0.0000058) X
1,2,3,4,6,7,8-HpCDD	0.000055	0.0000054 J	0.0000086 QJ	NA	0.0000092
HpCDDs (total)	0.000089	0.0000090 J	0.000017 QJ	NA	0.000018
OCDD	0.00065	0.000059	0.00002	NA	0.000056 J
Total TEQs (WHO TEFs)	0.0000055	0.0000011	0.000051	NA	0.0000015
Inorganics					
Antimony	ND(8.20) J	ND(7.40) J	ND(6.90)	NA	ND(6.90) J
Arsenic	6.30	4.20	6.60	NA	7.80
Barium	69.7	56.0	48.9	NA	23.6
Beryllium	0.790	0.660	ND(0.530)	NA	ND(0.330)
Cadmium	0.790	0.630	ND(0.100)	NA	0.0780 B
Chromium	48.6	26.8	10.0	NA	10.1
Cobalt	9.8	8.8	7.80	NA	11.2
Copper	43.5	29.2	61.2 J	NA	28.1 J
Cyanide	ND(0.680)	ND(0.620)	0.210 B	NA	ND(0.580)
Lead	84.5	38.1	94.2 J	NA	25.5
Mercury	0.510	0.380	1.30	NA	0.0380 B
Nickel	18.1	15.7	17.0 J	NA	23.2
Selenium	0.390 B	ND(0.620)	ND(0.570)	NA	ND(0.580) J
Silver	0.110 B	ND(1.20)	ND(1.10)	NA	ND(1.20)
Thallium	1.90	1.70	0.640 B	NA	1.80 J
Tin	11.9 B	8.90 B	ND(8.80)	NA	ND(5.00)
Vanadium	17.8	14.3	11.9	NA	12.6
Zinc	118	76.2	124	NA	87.4

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA15-G4 1-3 03/04/03	RAA15-G4 3-6 03/04/03	RAA15-G4 4-6 03/04/03	RAA15-G6 0-1 03/05/03	RAA15-G6 1-3 03/05/03
Volatile Organics					
2-Butanone	ND(0.0051) J	NA	ND(0.0051) J	0.0046 J	ND(0.0049) J
Acetone	ND(0.020)	NA	ND(0.020)	0.035 J	ND(0.020) J
Benzene	ND(0.0051)	NA	ND(0.0051)	ND(0.012)	ND(0.0049)
Carbon Disulfide	ND(0.0051)	NA	ND(0.0051)	ND(0.012)	ND(0.0049)
Chloroform	ND(0.0051)	NA	ND(0.0051)	ND(0.012)	ND(0.0049)
Ethylbenzene	ND(0.0051)	NA	ND(0.0051)	ND(0.012)	ND(0.0049)
Methylene Chloride	0.0014 J	NA	ND(0.0051)	0.0040 J	0.0014 J
Toluene	ND(0.0051)	NA	ND(0.0051)	ND(0.012)	ND(0.0049)
trans-1,2-Dichloroethene	ND(0.0051)	NA	ND(0.0051)	ND(0.012)	ND(0.0049)
Trichloroethene	ND(0.0051)	NA	ND(0.0051)	ND(0.012)	ND(0.0049)
Vinyl Chloride	ND(0.010)	NA	ND(0.010)	ND(0.023)	ND(0.0099)
Xylenes (total)	ND(0.0051)	NA	ND(0.0051)	ND(0.012)	ND(0.0049)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(1.5)	ND(14)	NA	ND(0.44)	ND(0.36)
1,2,4-Trichlorobenzene	ND(1.5)	ND(14)	NA	ND(0.44)	ND(0.36)
1,4-Dichlorobenzene	ND(1.5)	ND(14)	NA	ND(0.44)	ND(0.36)
1,4-Naphthoquinone	ND(7.3)	ND(70)	NA	ND(2.2)	ND(1.7)
2-Methylnaphthalene	ND(1.5)	ND(14)	NA	ND(0.44)	ND(0.36)
3&4-Methylphenol	ND(3.0)	ND(29)	NA	ND(0.89)	ND(0.72)
3,3'-Dichlorobenzidine	ND(7.3)	ND(70)	NA	ND(2.2)	ND(1.7)
3-Methylcholanthrene	ND(7.3)	ND(70)	NA	ND(2.2)	ND(1.7)
Acenaphthene	0.16 J	ND(14)	NA	0.056 J	0.031 J
Acenaphthylene	0.75 J	ND(14)	NA	0.055 J	0.040 J
Aniline	ND(1.5)	ND(14)	NA	ND(0.44)	ND(0.36)
Anthracene	0.69 J	ND(14)	NA	0.12 J	0.10 J
Benzo(a)anthracene	4.0	ND(14)	NA	0.38 J	0.26 J
Benzo(a)pyrene	4.1	ND(14)	NA	0.45	0.26 J
Benzo(b)fluoranthene	4.0	ND(14)	NA	0.44	0.26 J
Benzo(g,h,i)perylene	1.2 J	ND(14)	NA	0.12 J	0.069 J
Benzo(k)fluoranthene	4.1	ND(14)	NA	0.53	0.25 J
bis(2-Ethylhexyl)phthalate	ND(1.5)	ND(14)	NA	ND(0.44)	ND(0.36)
Chrysene	4.0	ND(14)	NA	0.49	0.29 J
Dibenzo(a,h)anthracene	0.39 J	ND(14)	NA	ND(0.44)	ND(0.36)
Dibenzofuran	ND(1.5)	ND(14)	NA	ND(0.44)	ND(0.36)
Diethylphthalate	ND(1.5)	ND(14)	NA	ND(0.44)	ND(0.36)
Di-n-Butylphthalate	ND(1.5)	ND(14)	NA	ND(0.44)	ND(0.36)
Fluoranthene	8.0	ND(14)	NA	1.2	0.69
Fluorene	ND(1.5)	ND(14)	NA	ND(0.44)	ND(0.36)
Hexachlorobenzene	ND(1.5)	ND(14)	NA	ND(0.44)	ND(0.36)
Indeno(1,2,3-cd)pyrene	1.5	ND(14)	NA	0.16 J	0.081 J
Isophorone	ND(1.5)	45	NA	ND(0.44)	ND(0.36)
Naphthalene	ND(1.5)	ND(14)	NA	ND(0.44)	ND(0.36)
Pentachlorobenzene	ND(1.5)	ND(14)	NA	ND(0.44)	ND(0.36)
Pentachlorophenol	ND(7.3)	ND(70)	NA	ND(2.2)	ND(1.7)
Phenanthrene	2.1	ND(14)	NA	0.58	0.44
Phenol	ND(1.5)	ND(14)	NA	ND(0.44)	ND(0.36)
Pyrene	5.4	ND(14)	NA	0.67	0.42

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA15-G4 1-3 03/04/03	RAA15-G4 3-6 03/04/03	RAA15-G4 4-6 03/04/03	RAA15-G6 0-1 03/05/03	RAA15-G6 1-3 03/05/03
Furans					
2,3,7,8-TCDF	ND(0.0000092) X	ND(0.0000027) X	NA	ND(0.0000052) X	0.0000052
TCDFs (total)	ND(0.00036) X	ND(0.000031) X	NA	ND(0.000024) X	ND(0.000018) X
1,2,3,7,8-PeCDF	0.0000043 J	0.0000012 J	NA	ND(0.00000089) X	ND(0.0000017) X
2,3,4,7,8-PeCDF	0.0000046 J	0.0000011 J	NA	0.0000017 J	0.0000015 J
PeCDFs (total)	ND(0.00045) X	ND(0.000040) X	NA	ND(0.000023) X	ND(0.000012) X
1,2,3,4,7,8-HxCDF	0.0000053 J	0.0000022 J	NA	0.00000089 J	0.0000015 J
1,2,3,6,7,8-HxCDF	ND(0.000030) X	ND(0.0000034) X	NA	ND(0.0000016) X	ND(0.00000075) X
1,2,3,7,8,9-HxCDF	ND(0.00000028) X	ND(0.00000020)	NA	ND(0.000000099)	ND(0.000000098)
2,3,4,6,7,8-HxCDF	0.0000023 J	0.00000066 J	NA	ND(0.00000035) X	ND(0.00000023) X
HxCDFs (total)	ND(0.00020) X	ND(0.000022) X	NA	ND(0.000013) XQJ	ND(0.0000073) X
1,2,3,4,6,7,8-HpCDF	0.000010	0.0000023 J	NA	0.0000033 J	0.0000050 J
1,2,3,4,7,8,9-HpCDF	0.0000020 J	0.00000063 J	NA	ND(0.00000023) X	0.00000053 J
HpCDFs (total)	ND(0.000025) X	ND(0.0000047) X	NA	ND(0.0000070) X	0.000012
OCDF	0.0000090 J	0.0000026 J	NA	0.0000057 J	0.000011 J
Dioxins					
2,3,7,8-TCDD	ND(0.00000029)	ND(0.00000034)	NA	ND(0.00000025)	ND(0.00000026)
TCDDs (total)	ND(0.00000079) X	ND(0.00000034)	NA	ND(0.00000025)	ND(0.00000026)
1,2,3,7,8-PeCDD	ND(0.00000068) X	ND(0.00000021)	NA	ND(0.00000013)	ND(0.00000014)
PeCDDs (total)	ND(0.0000084) X	ND(0.00000050) X	NA	ND(0.00000029) X	ND(0.00000014)
1,2,3,4,7,8-HxCDD	0.00000049 J	ND(0.00000027)	NA	ND(0.00000014)	ND(0.00000015)
1,2,3,6,7,8-HxCDD	0.0000021 J	ND(0.00000035) X	NA	0.00000045 J	0.00000064 J
1,2,3,7,8,9-HxCDD	0.0000016 J	ND(0.00000036) X	NA	0.00000045 QJ	ND(0.00000014)
HxCDDs (total)	ND(0.000022) X	ND(0.0000031) X	NA	ND(0.0000034) XQJ	ND(0.0000027) X
1,2,3,4,6,7,8-HpCDD	0.000017	0.0000037 J	NA	0.0000074	0.000012
HpCDDs (total)	0.000033	0.0000070 J	NA	0.000013	0.000020
OCDD	0.000095 J	0.000014	NA	0.000069	0.00013 J
Total TEQs (WHO TEFs)	0.0000065	0.0000016	NA	0.0000017	0.0000020
Inorganics					
Antimony	0.550 J	ND(6.50) J	NA	ND(8.10) J	ND(6.50) J
Arsenic	4.10	2.90	NA	2.30	1.80
Barium	35.9	49.8	NA	24.9 B	23.0
Beryllium	ND(0.320)	ND(0.310)	NA	0.340 B	0.300 B
Cadmium	0.0580 B	ND(0.540)	NA	ND(0.670)	ND(0.540)
Chromium	6.80	6.00	NA	14.6	10.4
Cobalt	4.40 B	2.40 B	NA	5.40 B	5.10 B
Copper	19.8 J	6.80 J	NA	16.1	11.9
Cyanide	0.240 B	ND(0.540)	NA	ND(0.670)	ND(0.540)
Lead	22.1	3.90	NA	24.5	17.1
Mercury	0.0800	0.0230 B	NA	0.200 J	0.160 J
Nickel	9.30	5.70	NA	10.8	9.20
Selenium	ND(0.570) J	ND(0.540) J	NA	ND(0.670)	ND(0.540)
Silver	ND(1.10)	ND(1.10)	NA	ND(1.30)	ND(1.10)
Thallium	ND(1.10) J	ND(1.10) J	NA	ND(1.30) J	ND(1.10) J
Tin	ND(5.40)	ND(3.80)	NA	ND(6.30)	ND(4.60)
Vanadium	10.1	9.00	NA	10.2	7.80
Zinc	45.1	18.3	NA	56.5	42.1

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-G6 10-15 03/05/03	RAA15-G6 12-14 03/05/03	RAA15-G11 0-1 02/13/03	RAA15-G11 1-3 02/13/03	RAA15-G11 3-6 02/13/03
Volatile Organics					
2-Butanone	NA	ND(0.0062) J	ND(0.0065) J	ND(0.0051) J	NA
Acetone	NA	ND(0.025) J	0.0076 J	ND(0.021) J	NA
Benzene	NA	ND(0.0062)	ND(0.0065)	ND(0.0051)	NA
Carbon Disulfide	NA	ND(0.0062)	ND(0.0065)	ND(0.0051)	NA
Chloroform	NA	ND(0.0062)	ND(0.0065)	ND(0.0051)	NA
Ethylbenzene	NA	ND(0.0062)	ND(0.0065)	ND(0.0051)	NA
Methylene Chloride	NA	ND(0.0062)	0.0017 J	ND(0.0051)	NA
Toluene	NA	ND(0.0062)	ND(0.0065)	ND(0.0051)	NA
trans-1,2-Dichloroethene	NA	ND(0.0062)	ND(0.0065)	ND(0.0051)	NA
Trichloroethene	NA	ND(0.0062)	ND(0.0065)	ND(0.0051)	NA
Vinyl Chloride	NA	ND(0.012)	ND(0.013)	ND(0.010)	NA
Xylenes (total)	NA	ND(0.0062)	0.0027 J	ND(0.0051)	NA
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
1,2,4-Trichlorobenzene	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
1,4-Dichlorobenzene	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
1,4-Naphthoquinone	ND(2.1)	NA	ND(2.0)	ND(1.8)	ND(2.1)
2-Methylnaphthalene	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
3&4-Methylphenol	ND(0.88)	NA	ND(0.82)	ND(0.74)	ND(0.87)
3,3'-Dichlorobenzidine	ND(2.1)	NA	ND(2.0)	ND(1.8)	ND(2.1)
3-Methylcholanthrene	ND(2.1)	NA	ND(2.0)	ND(1.8)	ND(2.1)
Acenaphthene	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
Acenaphthylene	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
Aniline	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
Anthracene	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
Benzo(a)anthracene	ND(0.44)	NA	0.075 J	ND(0.37)	ND(0.43)
Benzo(a)pyrene	ND(0.44)	NA	0.088 J	ND(0.37)	ND(0.43)
Benzo(b)fluoranthene	ND(0.44)	NA	0.089 J	ND(0.37)	ND(0.43)
Benzo(g,h,i)perylene	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
Benzo(k)fluoranthene	ND(0.44)	NA	0.097 J	ND(0.37)	ND(0.43)
bis(2-Ethylhexyl)phthalate	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
Chrysene	ND(0.44)	NA	0.11 J	ND(0.37)	ND(0.43)
Dibenzo(a,h)anthracene	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
Dibenzofuran	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
Diethylphthalate	ND(0.44)	NA	ND(0.41)	0.11 J	ND(0.43)
Di-n-Butylphthalate	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
Fluoranthene	ND(0.44)	NA	0.17 J	ND(0.37)	ND(0.43)
Fluorene	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
Hexachlorobenzene	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
Indeno(1,2,3-cd)pyrene	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
Isophorone	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
Naphthalene	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
Pentachlorobenzene	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
Pentachlorophenol	ND(2.1)	NA	ND(2.0)	ND(1.8)	ND(2.1)
Phenanthrene	ND(0.44)	NA	0.096 J	ND(0.37)	ND(0.43)
Phenol	ND(0.44)	NA	ND(0.41)	ND(0.37)	ND(0.43)
Pyrene	ND(0.44)	NA	0.13 J	ND(0.37)	ND(0.43)

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA15-G6 10-15 03/05/03	RAA15-G6 12-14 03/05/03	RAA15-G11 0-1 02/13/03	RAA15-G11 1-3 02/13/03	RAA15-G11 3-6 02/13/03
Furans					
2,3,7,8-TCDF	ND(0.00000018)	NA	0.0000092 Y	0.0000013 Y	ND(0.00000030) XJ
TCDFs (total)	ND(0.00000012) X	NA	0.000051	0.0000013	ND(0.00000030) XJ
1,2,3,7,8-PeCDF	ND(0.000000094)	NA	ND(0.0000027) X	ND(0.00000052) X	ND(0.00000032) XJ
2,3,4,7,8-PeCDF	ND(0.000000090)	NA	ND(0.0000027) X	ND(0.00000025) X	ND(0.00000030) XJ
PeCDFs (total)	ND(0.000000092)	NA	0.0000049	ND(0.00000052) X	ND(0.00000032) XJ
1,2,3,4,7,8-HxCDF	ND(0.000000056)	NA	0.0000039 J	ND(0.00000043) X	ND(0.00000024) X
1,2,3,6,7,8-HxCDF	ND(0.000000052)	NA	ND(0.0000016) X	ND(0.00000016) X	ND(0.00000016) X
1,2,3,7,8,9-HxCDF	ND(0.000000066)	NA	ND(0.00000052) X	ND(0.000000046) X	ND(0.00000012) X
2,3,4,6,7,8-HxCDF	ND(0.000000060)	NA	ND(0.0000016) X	ND(0.00000011) X	ND(0.00000017) X
HxCDFs (total)	ND(0.000000058)	NA	0.000024	ND(0.00000043) X	ND(0.00000024) X
1,2,3,4,6,7,8-HpCDF	ND(0.000000097)	NA	0.000014	ND(0.00000038)	ND(0.00000016) X
1,2,3,4,7,8,9-HpCDF	ND(0.00000012)	NA	ND(0.00000070) X	ND(0.000000073)	ND(0.00000012) X
HpCDFs (total)	ND(0.00000011)	NA	0.000025	ND(0.00000038)	ND(0.00000016)
OCDF	0.00000039 J	NA	0.000013	ND(0.00000041)	ND(0.00000029)
Dioxins					
2,3,7,8-TCDD	ND(0.00000023)	NA	ND(0.00000022) X	ND(0.000000056)	ND(0.00000020) XJ
TCDDs (total)	ND(0.00000023)	NA	ND(0.00000051) X	ND(0.000000068) X	ND(0.00000020) XJ
1,2,3,7,8-PeCDD	ND(0.00000011)	NA	ND(0.00000030) X	ND(0.00000015)	ND(0.00000022)
PeCDDs (total)	ND(0.00000011)	NA	ND(0.00000034) X	ND(0.00000027) X	ND(0.00000066) X
1,2,3,4,7,8-HxCDD	ND(0.00000011)	NA	ND(0.00000024) X	ND(0.00000011) X	ND(0.00000017) X
1,2,3,6,7,8-HxCDD	ND(0.000000099)	NA	ND(0.00000056) X	ND(0.00000011) X	ND(0.00000014) X
1,2,3,7,8,9-HxCDD	ND(0.00000010)	NA	ND(0.00000052) X	ND(0.00000015) X	ND(0.00000014) X
HxCDDs (total)	ND(0.00000030) X	NA	ND(0.0000018) X	ND(0.00000016) X	ND(0.00000017) X
1,2,3,4,6,7,8-HpCDD	ND(0.00000027) X	NA	0.000012	ND(0.00000045) X	ND(0.00000055) X
HpCDDs (total)	ND(0.00000045) X	NA	0.000021	ND(0.00000045) X	ND(0.00000055) X
OCDD	0.0000021 QJ	NA	0.00012	ND(0.0000035) X	ND(0.0000042) X
Total TEQs (WHO TEFs)	0.00000023	NA	0.0000028	0.00000037	0.00000037
Inorganics					
Antimony	ND(8.00) J	NA	ND(7.50)	ND(6.80)	ND(7.90)
Arsenic	2.00	NA	4.50	2.30	2.20
Barium	19.3 B	NA	53.5	29.7	45.4
Beryllium	0.320 B	NA	0.710	0.590	0.840
Cadmium	ND(0.660)	NA	0.590 B	0.380 B	0.430 B
Chromium	6.90	NA	15.6	12.6	11.5
Cobalt	5.80 B	NA	8.70	7.00	8.30
Copper	6.1	NA	16.9	13.8	11.1
Cyanide	ND(0.660)	NA	ND(0.620)	ND(0.560)	ND(0.660)
Lead	3.60	NA	31.3	12.7	6.60
Mercury	ND(0.0440) J	NA	0.160	0.150	0.0590
Nickel	10.3	NA	14.3	12.5	14.9
Selenium	ND(0.660)	NA	ND(0.620)	ND(0.560)	ND(0.660)
Silver	ND(1.30)	NA	ND(1.30)	ND(1.10)	ND(1.30)
Thallium	ND(1.30) J	NA	0.770 B	0.750 B	0.880 B
Tin	ND(4.30)	NA	ND(7.20)	ND(5.90)	ND(5.40)
Vanadium	8.30	NA	16.3	9.90	12.7
Zinc	41.7	NA	70.0	47.7	58.4

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Sample ID: / Sample Depth(Feet): / Date Collected:	RAA15-G11 4-6 02/13/03	RAA15-G13 0-1 02/13/03	RAA15-G15 6-10 02/13/03	RAA15-G15 8-10 02/13/03	RAA15-G17 0-1 02/17/03
Volatile Organics						
2-Butanone		ND(0.0057) J	ND(0.0063) J	NA	ND(0.0058) J	ND(0.0066) J
Acetone		ND(0.023) J	ND(0.025) J	NA	ND(0.023) J	ND(0.026) J
Benzene		ND(0.0057)	ND(0.0063)	NA	ND(0.0058)	ND(0.0066)
Carbon Disulfide		ND(0.0057)	ND(0.0063)	NA	ND(0.0058)	ND(0.0066)
Chloroform		ND(0.0057)	ND(0.0063)	NA	ND(0.0058)	ND(0.0066)
Ethylbenzene		ND(0.0057)	ND(0.0063)	NA	ND(0.0058)	ND(0.0066)
Methylene Chloride		ND(0.0057)	ND(0.0063)	NA	ND(0.0058)	ND(0.0066)
Toluene		ND(0.0057)	ND(0.0063)	NA	ND(0.0058)	ND(0.0066)
trans-1,2-Dichloroethene		ND(0.0057)	ND(0.0063)	NA	ND(0.0058)	ND(0.0066)
Trichloroethene		ND(0.0057)	ND(0.0063)	NA	ND(0.0058)	ND(0.0066)
Vinyl Chloride		ND(0.011)	ND(0.013)	NA	ND(0.012)	ND(0.013)
Xylenes (total)		ND(0.0057)	ND(0.0063)	NA	ND(0.0058)	ND(0.0066)
Semivolatile Organics						
1,2,4,5-Tetrachlorobenzene		NA	ND(0.42)	ND(0.43)	NA	ND(0.46)
1,2,4-Trichlorobenzene		NA	ND(0.42)	ND(0.43)	NA	ND(0.46)
1,4-Dichlorobenzene		NA	ND(0.42)	ND(0.43)	NA	ND(0.46)
1,4-Naphthoquinone		NA	ND(2.1)	ND(2.1)	NA	ND(2.3)
2-Methylnaphthalene		NA	ND(0.42)	ND(0.43)	NA	ND(0.46)
3&4-Methylphenol		NA	ND(0.85)	ND(0.86)	NA	ND(0.93)
3,3'-Dichlorobenzidine		NA	ND(2.1)	ND(2.1)	NA	ND(2.3)
3-Methylcholanthrene		NA	ND(2.1)	ND(2.1)	NA	ND(2.3)
Acenaphthene		NA	ND(0.42)	ND(0.43)	NA	ND(0.46)
Acenaphthylene		NA	0.061 J	ND(0.43)	NA	0.065 J
Aniline		NA	ND(0.42)	ND(0.43)	NA	ND(0.46)
Anthracene		NA	0.053 J	ND(0.43)	NA	ND(0.46)
Benzo(a)anthracene		NA	0.20 J	ND(0.43)	NA	0.21 J
Benzo(a)pyrene		NA	0.23 J	ND(0.43)	NA	0.24 J
Benzo(b)fluoranthene		NA	0.23 J	ND(0.43)	NA	0.25 J
Benzo(g,h,i)perylene		NA	0.081 J	ND(0.43)	NA	0.086 J
Benzo(k)fluoranthene		NA	0.27 J	ND(0.43)	NA	0.25 J
bis(2-Ethylhexyl)phthalate		NA	ND(0.42)	ND(0.43)	NA	ND(0.46)
Chrysene		NA	0.28 J	ND(0.43)	NA	0.28 J
Dibenzo(a,h)anthracene		NA	ND(0.42)	ND(0.43)	NA	ND(0.46)
Dibenzofuran		NA	ND(0.42)	ND(0.43)	NA	ND(0.46)
Diethylphthalate		NA	ND(0.42)	ND(0.43)	NA	ND(0.46)
Di-n-Butylphthalate		NA	ND(0.42)	0.062 J	NA	ND(0.46)
Fluoranthene		NA	0.52	ND(0.43)	NA	0.49
Fluorene		NA	ND(0.42)	ND(0.43)	NA	ND(0.46)
Hexachlorobenzene		NA	ND(0.42)	ND(0.43)	NA	ND(0.46)
Indeno(1,2,3-cd)pyrene		NA	0.10 J	ND(0.43)	NA	0.11 J
Isophorone		NA	ND(0.42)	ND(0.43)	NA	ND(0.46)
Naphthalene		NA	ND(0.42)	ND(0.43)	NA	ND(0.46)
Pentachlorobenzene		NA	ND(0.42)	ND(0.43)	NA	ND(0.46)
Pentachlorophenol		NA	ND(2.1)	ND(2.1)	NA	ND(2.3)
Phenanthrene		NA	0.25 J	ND(0.43)	NA	0.22 J
Phenol		NA	ND(0.42)	ND(0.43)	NA	ND(0.46)
Pyrene		NA	0.33 J	ND(0.43)	NA	0.34 J

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-G11 4-6 02/13/03	RAA15-G13 0-1 02/13/03	RAA15-G15 6-10 02/13/03	RAA15-G15 8-10 02/13/03	RAA15-G17 0-1 02/17/03
Furans					
2,3,7,8-TCDF	NA	0.000025 Y	0.0000018 Y	NA	0.0000036
TCDFs (total)	NA	0.00010	0.0000040	NA	ND(0.000016) X
1,2,3,7,8-PeCDF	NA	0.0000073	ND(0.00000041)	NA	ND(0.00000066) X
2,3,4,7,8-PeCDF	NA	0.0000069	ND(0.00000016)	NA	ND(0.00000045) X
PeCDFs (total)	NA	0.000031	ND(0.00000041)	NA	ND(0.000011) X
1,2,3,4,7,8-HxCDF	NA	0.0000066	ND(0.00000026) X	NA	0.00000067 J
1,2,3,6,7,8-HxCDF	NA	0.0000034 J	ND(0.000000071)	NA	ND(0.0000014) X
1,2,3,7,8,9-HxCDF	NA	ND(0.00000021)	ND(0.000000097)	NA	ND(0.00000015)
2,3,4,6,7,8-HxCDF	NA	ND(0.0000030) X	ND(0.000000084)	NA	ND(0.00000023) X
HxCDFs (total)	NA	0.000056	ND(0.00000026) X	NA	ND(0.0000092) X
1,2,3,4,6,7,8-HpCDF	NA	0.000049	ND(0.00000035) X	NA	0.0000030 J
1,2,3,4,7,8,9-HpCDF	NA	ND(0.0000017) X	ND(0.00000014)	NA	ND(0.00000022)
HpCDFs (total)	NA	0.000093	ND(0.00000035) X	NA	0.0000058 J
OCDF	NA	0.000055	ND(0.00000026)	NA	0.0000036 J
Dioxins					
2,3,7,8-TCDD	NA	ND(0.00000018) X	ND(0.00000011) X	NA	ND(0.00000045)
TCDDs (total)	NA	ND(0.00000059) X	ND(0.00000011) X	NA	ND(0.00000045)
1,2,3,7,8-PeCDD	NA	ND(0.00000053) X	ND(0.00000026)	NA	ND(0.00000022)
PeCDDs (total)	NA	ND(0.00000088) X	ND(0.00000047) X	NA	ND(0.00000022)
1,2,3,4,7,8-HxCDD	NA	ND(0.00000053) X	ND(0.00000019)	NA	ND(0.00000022)
1,2,3,6,7,8-HxCDD	NA	ND(0.0000021) X	ND(0.00000017)	NA	ND(0.00000021)
1,2,3,7,8,9-HxCDD	NA	ND(0.0000012) X	ND(0.00000017)	NA	ND(0.00000022)
HxCDDs (total)	NA	0.0000084	ND(0.00000019) X	NA	0.00000041 J
1,2,3,4,6,7,8-HpCDD	NA	0.000047	ND(0.00000043)	NA	0.0000033 J
HpCDDs (total)	NA	0.000082	ND(0.00000043) X	NA	0.0000057 J
OCDD	NA	0.00053	ND(0.0000028) X	NA	0.000028
Total TEQs (WHO TEFs)	NA	0.0000090	0.00000047	NA	0.0000011
Inorganics					
Antimony	NA	ND(7.70)	ND(7.80)	NA	ND(8.50) J
Arsenic	NA	4.40	1.80	NA	5.90
Barium	NA	39.8	23.2 B	NA	70.5
Beryllium	NA	0.760	0.670	NA	ND(0.690)
Cadmium	NA	0.580 B	0.350 B	NA	0.800
Chromium	NA	23.2	24.8	NA	45.2
Cobalt	NA	6.40 B	6.50	NA	9.7
Copper	NA	20.9	14.7	NA	40.3
Cyanide	NA	0.260 B	0.240 B	NA	ND(0.310)
Lead	NA	56.2	14.1	NA	66.7
Mercury	NA	0.250	0.150	NA	0.490
Nickel	NA	12.5	11.9	NA	18.0
Selenium	NA	0.840	0.440 B	NA	0.950
Silver	NA	ND(1.30)	ND(1.30)	NA	ND(1.40)
Thallium	NA	ND(1.30)	0.790 B	NA	1.90
Tin	NA	ND(8.00)	ND(6.50)	NA	10.3 B
Vanadium	NA	15.1	8.80	NA	18.8
Zinc	NA	79.4	49.8	NA	109

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Sample ID: / Sample Depth(Feet): / Date Collected:	RAA15-G20 0-1 02/14/03	RAA15-G20 1-3 02/14/03	RAA15-G20 10-15 02/14/03
Volatile Organics			
2-Butanone	ND(0.0075) J	ND(0.0061) J	NA
Acetone	ND(0.030) J	ND(0.025) J	NA
Benzene	ND(0.0075)	ND(0.0061)	NA
Carbon Disulfide	ND(0.0075)	ND(0.0061)	NA
Chloroform	ND(0.0075)	ND(0.0061)	NA
Ethylbenzene	ND(0.0075)	ND(0.0061)	NA
Methylene Chloride	ND(0.0075)	ND(0.0061)	NA
Toluene	ND(0.0075)	ND(0.0061)	NA
trans-1,2-Dichloroethene	ND(0.0075)	ND(0.0061)	NA
Trichloroethene	ND(0.0075)	ND(0.0061)	NA
Vinyl Chloride	ND(0.015)	ND(0.012)	NA
Xylenes (total)	ND(0.0075)	ND(0.0061)	NA
Semivolatile Organics			
1,2,4,5-Tetrachlorobenzene	ND(0.47)	ND(0.39)	ND(4.1) [ND(4.3) J]
1,2,4-Trichlorobenzene	ND(0.47)	ND(0.39)	ND(4.1) [ND(4.3) J]
1,4-Dichlorobenzene	ND(0.47)	ND(0.39)	ND(4.1) [ND(4.3) J]
1,4-Naphthoquinone	ND(2.3)	ND(1.9)	ND(20) [ND(21) J]
2-Methylnaphthalene	ND(0.47)	ND(0.39)	ND(4.1) [ND(4.3) J]
3&4-Methylphenol	ND(0.94)	ND(0.78)	ND(8.1) [ND(8.6)]
3,3'-Dichlorobenzidine	ND(2.3)	ND(1.9)	ND(20) [ND(21) J]
3-Methylcholanthrene	ND(2.3)	ND(1.9)	ND(20) [ND(21) J]
Acenaphthene	ND(0.47)	ND(0.39)	ND(4.1) [ND(4.3) J]
Acenaphthylene	0.089 J	ND(0.39)	ND(4.1) [ND(4.3) J]
Aniline	ND(0.47)	ND(0.39)	ND(4.1) [ND(4.3) J]
Anthracene	0.062 J	ND(0.39)	ND(4.1) [ND(4.3) J]
Benzo(a)anthracene	0.27 J	ND(0.39)	ND(4.1) [ND(4.3) J]
Benzo(a)pyrene	0.33 J	ND(0.39)	ND(4.1) [ND(4.3) J]
Benzo(b)fluoranthene	0.32 J	ND(0.39)	ND(4.1) [ND(4.3) J]
Benzo(g,h,i)perylene	0.12 J	ND(0.39)	ND(4.1) [ND(4.3) J]
Benzo(k)fluoranthene	0.38 J	ND(0.39)	ND(4.1) [ND(4.3) J]
bis(2-Ethylhexyl)phthalate	ND(0.47)	ND(0.39)	ND(4.1) [ND(4.3) J]
Chrysene	0.39 J	ND(0.39)	ND(4.1) [ND(4.3) J]
Dibenzo(a,h)anthracene	ND(0.47)	ND(0.39)	ND(4.1) [ND(4.3) J]
Dibenzofuran	ND(0.47)	ND(0.39)	ND(4.1) [ND(8.6) J]
Diethylphthalate	ND(0.47)	ND(0.39)	ND(4.1) [ND(4.3) J]
Di-n-Butylphthalate	ND(0.47)	ND(0.39)	ND(4.1) [ND(4.3) J]
Fluoranthene	0.65	ND(0.39)	ND(4.1) [ND(4.3) J]
Fluorene	ND(0.47)	ND(0.39)	ND(4.1) [ND(4.3) J]
Hexachlorobenzene	ND(0.47)	ND(0.39)	ND(4.1) [ND(4.3) J]
Indeno(1,2,3-cd)pyrene	0.15 J	ND(0.39)	ND(4.1) [ND(4.3) J]
Isophorone	ND(0.47)	ND(0.39)	ND(4.1) [ND(4.3) J]
Naphthalene	ND(0.47)	ND(0.39)	ND(4.1) [ND(4.3) J]
Pentachlorobenzene	ND(0.47)	ND(0.39)	ND(4.1) [ND(4.3) J]
Pentachlorophenol	ND(2.3)	ND(1.9)	ND(20) [ND(21)]
Phenanthrene	0.29 J	ND(0.39)	ND(4.1) [ND(4.3) J]
Phenol	ND(0.47)	ND(0.39)	ND(4.1) [ND(4.3)]
Pyrene	0.45 J	ND(0.39)	ND(4.1) [ND(4.3) J]

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-G20 0-1 02/14/03	RAA15-G20 1-3 02/14/03	RAA15-G20 10-15 02/14/03
Furans			
2,3,7,8-TCDF	0.000034 Y	0.0000017 Y	ND(0.00000078) [ND(0.00000055)]
TCDFs (total)	0.00015	0.0000019	ND(0.00000078) [ND(0.00000055)]
1,2,3,7,8-PeCDF	0.000012	ND(0.00000057) X	ND(0.00000043) X [ND(0.00000022)]
2,3,4,7,8-PeCDF	0.000012	ND(0.00000026) X	ND(0.00000031) X [ND(0.00000021)]
PeCDFs (total)	0.000094	ND(0.00000057)	ND(0.00000043) [ND(0.00000022)]
1,2,3,4,7,8-HxCDF	0.0000099	ND(0.00000061) X	ND(0.00000034) X [ND(0.00000039) X]
1,2,3,6,7,8-HxCDF	0.0000064 J	ND(0.00000020) X	ND(0.00000015) [ND(0.00000021) X]
1,2,3,7,8,9-HxCDF	ND(0.00000043)	ND(0.000000072)	ND(0.00000022) X [ND(0.00000017)]
2,3,4,6,7,8-HxCDF	0.0000053 J	ND(0.00000018) X	ND(0.00000020) X [ND(0.00000020) X]
HxCDFs (total)	0.00014	ND(0.00000061)	ND(0.00000034) [ND(0.00000039)]
1,2,3,4,6,7,8-HpCDF	0.00016	ND(0.0000022) X	ND(0.00000065) X [ND(0.00000063) X]
1,2,3,4,7,8,9-HpCDF	0.0000038 J	ND(0.00000014) X	ND(0.00000022) [ND(0.00000020)]
HpCDFs (total)	0.00030	ND(0.0000022)	ND(0.00000065) [ND(0.00000063)]
OCDF	0.00013	ND(0.0000024)	ND(0.0000015) X [ND(0.0000015)]
Dioxins			
2,3,7,8-TCDD	ND(0.00000045)	ND(0.000000077)	ND(0.00000030) X [ND(0.00000023)]
TCDDs (total)	0.0000033	ND(0.000000077)	ND(0.00000030) [ND(0.00000023)]
1,2,3,7,8-PeCDD	ND(0.00000095) X	ND(0.00000018)	ND(0.00000057) [ND(0.00000040)]
PeCDDs (total)	ND(0.0000028)	ND(0.00000042)	ND(0.00000057) [ND(0.00000040)]
1,2,3,4,7,8-HxCDD	ND(0.0000012) X	ND(0.000000092) X	ND(0.00000035) [ND(0.00000025)]
1,2,3,6,7,8-HxCDD	0.0000056 J	ND(0.00000011) X	ND(0.00000031) [ND(0.00000023)]
1,2,3,7,8,9-HxCDD	ND(0.0000018) X	ND(0.00000013)	ND(0.00000030) [ND(0.00000022)]
HxCDDs (total)	0.000036	ND(0.00000025)	ND(0.00000035) [ND(0.00000031)]
1,2,3,4,6,7,8-HpCDD	0.00011	ND(0.0000019) X	ND(0.0000015) X [ND(0.0000010) X]
HpCDDs (total)	0.00019	ND(0.0000019)	ND(0.0000015) [ND(0.0000011) X]
OCDD	0.0011	0.000021	0.000017 J [ND(0.000015)]
Total TEQs (WHO TEFs)	0.000016	0.00000047	0.00000067 [0.00000049]
Inorganics			
Antimony	ND(7.10) J	ND(7.10) J	ND(18.5) J [ND(19.6) J]
Arsenic	6.90	2.90	8.70 [8.80]
Barium	89.9	38.7	62.5 [65.7]
Beryllium	ND(0.880)	ND(0.500)	ND(0.980) [ND(1.00)]
Cadmium	0.900	0.400 B	1.10 B [1.10 B]
Chromium	65.9	12.1	16.5 [17.0]
Cobalt	12.1	7.70	13.9 B [14.7 B]
Copper	55.2	15.6	30.1 [29.1]
Cyanide	0.270 B	ND(0.590)	ND(1.50) [ND(1.60)]
Lead	83.1	14.2	8.10 [8.50]
Mercury	0.830	0.170	0.0990 B [0.0870 B]
Nickel	20.9	13.4	27.0 [27.6]
Selenium	0.720	ND(0.590)	1.50 B [2.30]
Silver	0.180 B	ND(1.20)	ND(3.10) [ND(3.30)]
Thallium	2.30	1.30	ND(3.10) [ND(3.30)]
Tin	ND(11.3)	ND(5.80)	ND(12.4) [ND(14.4)]
Vanadium	20.0	11.1	18.0 [19.4]
Zinc	122	51.5	87.9 [91.3]

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-G20 12-15 02/14/03	RAA15-G22 6-8 02/19/03	RAA15-G22 6-10 02/19/03	RAA15-H2 0-1 03/05/03	RAA15-H8 0-1 02/13/03
Volatile Organics					
2-Butanone	0.0094 J [0.010 J]	ND(0.0059) J	NA	ND(0.0049) J	ND(0.0045) J
Acetone	0.033 J [0.037 J]	ND(0.024) J	NA	ND(0.019) J	ND(0.018) J
Benzene	ND(0.0058) [ND(0.018)]	ND(0.0059)	NA	ND(0.0049)	ND(0.0045)
Carbon Disulfide	ND(0.0058) [ND(0.018)]	ND(0.0059)	NA	ND(0.0049)	ND(0.0045)
Chloroform	ND(0.0058) [ND(0.018)]	ND(0.0059)	NA	ND(0.0049)	ND(0.0045)
Ethylbenzene	ND(0.0058) [ND(0.018)]	ND(0.0059)	NA	ND(0.0049)	ND(0.0045)
Methylene Chloride	0.0015 J [0.0038 J]	ND(0.0059)	NA	ND(0.0049)	ND(0.0045)
Toluene	ND(0.0058) [ND(0.018)]	ND(0.0059)	NA	ND(0.0049)	ND(0.0045)
trans-1,2-Dichloroethene	ND(0.0058) [ND(0.018)]	ND(0.0059)	NA	ND(0.0049)	ND(0.0045)
Trichloroethene	ND(0.0058) [ND(0.018)]	ND(0.0059)	NA	ND(0.0049)	ND(0.0045)
Vinyl Chloride	ND(0.012) [ND(0.036)]	ND(0.012)	NA	ND(0.0097)	ND(0.0091)
Xylenes (total)	ND(0.0058) [ND(0.018)]	ND(0.0059)	NA	ND(0.0049)	ND(0.0045)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	NA	ND(0.39)	ND(0.39)	ND(0.39)
1,2,4-Trichlorobenzene	NA	NA	ND(0.39)	ND(0.39)	ND(0.39)
1,4-Dichlorobenzene	NA	NA	ND(0.39)	ND(0.39)	ND(0.39)
1,4-Naphthoquinone	NA	NA	ND(1.9)	ND(1.9)	0.042 J
2-Methylnaphthalene	NA	NA	ND(0.39)	0.076 J	ND(0.39)
3&4-Methylphenol	NA	NA	ND(0.77)	ND(0.77)	ND(0.78)
3,3'-Dichlorobenzidine	NA	NA	ND(1.9)	ND(1.9)	ND(1.9)
3-Methylcholanthrene	NA	NA	ND(1.9)	ND(1.9)	ND(1.9)
Acenaphthene	NA	NA	ND(0.39)	0.086 J	ND(0.39)
Acenaphthylene	NA	NA	ND(0.39)	0.43	ND(0.39)
Aniline	NA	NA	ND(0.39)	ND(0.39)	ND(0.39)
Anthracene	NA	NA	ND(0.39)	0.40	ND(0.39)
Benzo(a)anthracene	NA	NA	ND(0.39)	1.0	0.084 J
Benzo(a)pyrene	NA	NA	ND(0.39)	1.3	0.099 J
Benzo(b)fluoranthene	NA	NA	ND(0.39)	1.2	0.090 J
Benzo(g,h,i)perylene	NA	NA	ND(0.39)	0.35 J	ND(0.39)
Benzo(k)fluoranthene	NA	NA	ND(0.39)	1.1	0.10 J
bis(2-Ethylhexyl)phthalate	NA	NA	ND(0.39)	ND(0.39)	ND(0.39)
Chrysene	NA	NA	ND(0.39)	1.4	0.11 J
Dibenzo(a,h)anthracene	NA	NA	ND(0.39)	0.15 J	ND(0.39)
Dibenzofuran	NA	NA	ND(0.39)	0.061 J	ND(0.39)
Diethylphthalate	NA	NA	ND(0.39)	ND(0.39)	ND(0.39)
Di-n-Butylphthalate	NA	NA	ND(0.39)	ND(0.39)	ND(0.39)
Fluoranthene	NA	NA	ND(0.39)	2.5	0.22 J
Fluorene	NA	NA	ND(0.39)	0.12 J	ND(0.39)
Hexachlorobenzene	NA	NA	ND(0.39)	ND(0.39)	ND(0.39)
Indeno(1,2,3-cd)pyrene	NA	NA	ND(0.39)	0.41	ND(0.39)
Isophorone	NA	NA	ND(0.39)	ND(0.39)	ND(0.39)
Naphthalene	NA	NA	ND(0.39)	0.11 J	ND(0.39)
Pentachlorobenzene	NA	NA	ND(0.39)	ND(0.39)	ND(0.39)
Pentachlorophenol	NA	NA	ND(1.9)	ND(1.9)	ND(1.9)
Phenanthrene	NA	NA	ND(0.39)	1.4	0.11 J
Phenol	NA	NA	ND(0.39)	ND(0.39)	ND(0.39)
Pyrene	NA	NA	ND(0.39)	1.7	0.14 J

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA15-G20 12-15 02/14/03	RAA15-G22 6-8 02/19/03	RAA15-G22 6-10 02/19/03	RAA15-H2 0-1 03/05/03	RAA15-H8 0-1 02/13/03
Furans					
2,3,7,8-TCDF	NA	NA	ND(0.00000023)	ND(0.000017) XJ	0.0000057 YJ
TCDFs (total)	NA	NA	ND(0.00000023)	ND(0.00025) X	0.000027 J
1,2,3,7,8-PeCDF	NA	NA	ND(0.00000014)	0.0000078	ND(0.0000023) XJ
2,3,4,7,8-PeCDF	NA	NA	ND(0.00000013)	ND(0.000010) X	0.0000038 J
PeCDFs (total)	NA	NA	ND(0.00000013)	ND(0.00052) X	0.000012 J
1,2,3,4,7,8-HxCDF	NA	NA	ND(0.000000080)	0.000016	0.0000051 J
1,2,3,6,7,8-HxCDF	NA	NA	ND(0.000000074)	ND(0.000041) X	0.0000034 J
1,2,3,7,8,9-HxCDF	NA	NA	ND(0.000000095)	0.00000020 J	ND(0.0000010)
2,3,4,6,7,8-HxCDF	NA	NA	ND(0.000000085)	0.00000020 J	ND(0.0000022) X
HxCDFs (total)	NA	NA	ND(0.000000083)	ND(0.00037) X	0.000067
1,2,3,4,6,7,8-HpCDF	NA	NA	ND(0.00000011)	0.000034	0.00013
1,2,3,4,7,8,9-HpCDF	NA	NA	ND(0.00000014)	0.0000047 J	ND(0.0000021) X
HpCDFs (total)	NA	NA	ND(0.00000012)	0.000087	0.00024
OCDF	NA	NA	ND(0.00000014)	0.000044	0.000094
Dioxins					
2,3,7,8-TCDD	NA	NA	ND(0.00000033)	ND(0.00000026)	ND(0.00000018) J
TCDDs (total)	NA	NA	ND(0.00000033)	ND(0.0000032) X	ND(0.00000031) J
1,2,3,7,8-PeCDD	NA	NA	ND(0.00000015)	ND(0.0000010) X	ND(0.00000057) J
PeCDDs (total)	NA	NA	ND(0.00000015)	ND(0.0000091) X	ND(0.00000057) J
1,2,3,4,7,8-HxCDD	NA	NA	ND(0.00000018)	0.0000013 J	ND(0.00000052) X
1,2,3,6,7,8-HxCDD	NA	NA	ND(0.00000017)	0.0000040 J	ND(0.0000025) X
1,2,3,7,8,9-HxCDD	NA	NA	ND(0.00000018)	0.00000020 J	ND(0.0000016) X
HxCDDs (total)	NA	NA	ND(0.00000017)	ND(0.000036) X	0.000013
1,2,3,4,6,7,8-HpCDD	NA	NA	ND(0.00000014)	0.000096	0.000067
HpCDDs (total)	NA	NA	ND(0.00000014)	0.00031	0.00012
OCDD	NA	NA	ND(0.0000012) X	0.00077	0.00064
Total TEQs (WHO TEFs)	NA	NA	0.00000033	0.000010	0.0000062
Inorganics					
Antimony	NA	NA	ND(7.00)	0.560 J	ND(7.10)
Arsenic	NA	NA	0.940 B	4.30	3.00
Barium	NA	NA	8.20 B	40.5	59.5
Beryllium	NA	NA	0.200 B	0.280 B	0.610
Cadmium	NA	NA	ND(0.590)	0.210 B	0.740
Chromium	NA	NA	5.20	7.90	9.60
Cobalt	NA	NA	4.80 B	5.40 B	6.90
Copper	NA	NA	4.40	58.7	14.3
Cyanide	NA	NA	ND(0.590)	ND(0.240)	ND(0.590)
Lead	NA	NA	2.10	72.5	24.5
Mercury	NA	NA	ND(0.0390)	0.120 J	0.220
Nickel	NA	NA	10.4	12.2	13.0
Selenium	NA	NA	ND(0.590)	ND(0.580)	0.380 B
Silver	NA	NA	ND(1.20)	ND(1.20)	ND(1.20)
Thallium	NA	NA	ND(1.20) J	ND(1.20) J	0.850 B
Tin	NA	NA	ND(4.50)	ND(5.80)	ND(6.40)
Vanadium	NA	NA	5.00 B	13.6	10.0
Zinc	NA	NA	26.3	109	148

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-H8 1-3 02/13/03	RAA15-H8 10-12 02/13/03	RAA15-H8 10-15 02/13/03	RAA15-H11 0-1 02/12/03	RAA15-H13 1-3 02/12/03
Volatile Organics					
2-Butanone	ND(0.0058) J	ND(0.0070) J	NA	ND(0.0064)	ND(0.0055)
Acetone	ND(0.023) J	ND(0.028) J	NA	ND(0.026) J	ND(0.022) J
Benzene	ND(0.0058)	ND(0.0070)	NA	ND(0.0064)	ND(0.0055)
Carbon Disulfide	ND(0.0058)	ND(0.0070)	NA	ND(0.0064)	ND(0.0055)
Chloroform	ND(0.0058)	ND(0.0070)	NA	ND(0.0064)	ND(0.0055)
Ethylbenzene	ND(0.0058)	ND(0.0070)	NA	ND(0.0064)	ND(0.0055)
Methylene Chloride	ND(0.0058)	ND(0.0070)	NA	ND(0.0064)	ND(0.0055)
Toluene	ND(0.0058)	ND(0.0070)	NA	ND(0.0064)	ND(0.0055)
trans-1,2-Dichloroethene	ND(0.0058)	ND(0.0070)	NA	ND(0.0064)	ND(0.0055)
Trichloroethene	ND(0.0058)	ND(0.0070)	NA	ND(0.0064)	ND(0.0055)
Vinyl Chloride	ND(0.012)	ND(0.014)	NA	ND(0.013)	ND(0.011)
Xylenes (total)	ND(0.0058)	ND(0.0070)	NA	ND(0.0064)	ND(0.0055)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
1,2,4-Trichlorobenzene	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
1,4-Dichlorobenzene	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
1,4-Naphthoquinone	ND(1.8)	NA	ND(2.1)	ND(2.0)	ND(1.8)
2-Methylnaphthalene	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
3&4-Methylphenol	ND(0.73)	NA	ND(0.86)	ND(0 82)	ND(0 76)
3,3'-Dichlorobenzidine	ND(1.8)	NA	ND(2.1)	ND(2.0)	ND(1.8)
3-Methylcholanthrene	ND(1.8)	NA	ND(2.1)	ND(2.0)	ND(1.8)
Acenaphthene	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
Acenaphthylene	0.024 J	NA	ND(0.43)	0.057 J	ND(0.38)
Aniline	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
Anthracene	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
Benzo(a)anthracene	0.063 J	NA	ND(0.43)	0.16 J	ND(0.38)
Benzo(a)pyrene	0.073 J	NA	ND(0.43)	0.19 J	ND(0.38)
Benzo(b)fluoranthene	0.066 J	NA	ND(0.43)	0.17 J	ND(0.38)
Benzo(g,h,i)perylene	ND(0.36)	NA	ND(0.43)	0.10 J	ND(0.38)
Benzo(k)fluoranthene	0.079 J	NA	ND(0.43)	0.18 J	ND(0.38)
bis(2-Ethylhexyl)phthalate	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
Chrysene	0.090 J	NA	ND(0.43)	0.23 J	ND(0.38)
Dibenzo(a,h)anthracene	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
Dibenzofuran	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
Diethylphthalate	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
Di-n-Butylphthalate	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
Fluoranthene	0.16 J	NA	ND(0.43)	0.34 J	ND(0.38)
Fluorene	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
Hexachlorobenzene	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
Indeno(1,2,3-cd)pyrene	ND(0.36)	NA	ND(0.43)	0.12 J	ND(0.38)
Isophorone	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
Naphthalene	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
Pentachlorobenzene	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
Pentachlorophenol	ND(1.8)	NA	ND(2.1)	ND(2.0)	ND(1.8)
Phenanthrene	0.088 J	NA	ND(0.43)	0.18 J	ND(0.38)
Phenol	ND(0.36)	NA	ND(0.43)	ND(0.41)	ND(0.38)
Pyrene	0.12 J	NA	ND(0.43)	0.30 J	ND(0.38)

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-H8 1-3 02/13/03	RAA15-H8 10-12 02/13/03	RAA15-H8 10-15 02/13/03	RAA15-H11 0-1 02/12/03	RAA15-H13 1-3 02/12/03
Furans					
2,3,7,8-TCDF	0.0000034 Y	NA	0.000012 Y	0.000032 Y	0.0000011 QYJ
TCDFs (total)	0.000017	NA	0.000050	0.00020	0.0000033
1,2,3,7,8-PeCDF	ND(0.0000011) X	NA	0.0000033 J	0.0000094	ND(0.0000011) J
2,3,4,7,8-PeCDF	ND(0.0000018) X	NA	0.0000054 J	0.0000095	ND(0.0000011)
PeCDFs (total)	0.0000047	NA	0.000070	0.00016	ND(0.0000011) J
1,2,3,4,7,8-HxCDF	ND(0.0000024) X	NA	0.000016	0.0000090	ND(0.0000011)
1,2,3,6,7,8-HxCDF	ND(0.0000015) X	NA	0.0000079	0.0000064	ND(0.0000010)
1,2,3,7,8,9-HxCDF	ND(0.00000044)	NA	ND(0.0000015)	ND(0.0000014)	ND(0.0000013)
2,3,4,6,7,8-HxCDF	ND(0.0000011) X	NA	0.000013	0.0000045 J	ND(0.0000012)
HxCDFs (total)	0.000056	NA	0.00037	0.00011	ND(0.0000013)
1,2,3,4,6,7,8-HpCDF	0.00013	NA	0.00012	0.000049	ND(0.0000010) X
1,2,3,4,7,8,9-HpCDF	ND(0.0000013) X	NA	0.0000098	ND(0.0000024) X	ND(0.0000010)
HpCDFs (total)	0.00023	NA	0.00031	0.000095	ND(0.0000010)
OCDF	0.000085	NA	0.00020	0.000053	ND(0.0000021)
Dioxins					
2,3,7,8-TCDD	ND(0.00000013) X	NA	ND(0.00000048) X	ND(0.00000037)	ND(0.00000082)
TCDDs (total)	ND(0.00000026)	NA	0.0000018	0.0000026	ND(0.00000082)
1,2,3,7,8-PeCDD	ND(0.00000036)	NA	0.0000064 J	ND(0.00000078)	ND(0.0000014) J
PeCDDs (total)	ND(0.00000058) X	NA	0.000036	ND(0.0000025)	ND(0.0000014) J
1,2,3,4,7,8-HxCDD	ND(0.00000061) X	NA	0.0000054 J	ND(0.00000065) X	ND(0.0000014)
1,2,3,6,7,8-HxCDD	0.0000032 J	NA	0.000019	ND(0.0000023) X	ND(0.0000013)
1,2,3,7,8,9-HxCDD	ND(0.0000014) X	NA	0.0000075	ND(0.0000011) X	ND(0.0000012)
HxCDDs (total)	0.000017	NA	0.00015	0.000011	ND(0.0000014)
1,2,3,4,6,7,8-HpCDD	0.000094	NA	0.00021	0.000043	ND(0.0000013)
HpCDDs (total)	0.00018	NA	0.00038	0.000076	ND(0.0000013)
OCDD	0.0010	NA	0.0018	0.00044	0.000014
Total TEQs (WHO TEFs)	0.0000041	NA	0.000021	0.000012	0.0000020
Inorganics					
Antimony	ND(6.60)	NA	ND(7.80)	ND(7.40) J	ND(6.90) J
Arsenic	3.20	NA	1.50	4.40	2.20
Barium	25.5	NA	19.5 B	57.8	21.5 B
Beryllium	0.620	NA	0.600 B	0.740	0.360 B
Cadmium	0.410 B	NA	0.310 B	0.650	0.250 B
Chromium	10.7	NA	7.80	27.2	7.20
Cobalt	5.60	NA	5.20 B	9.30	3.30 B
Copper	14.4	NA	6.40	26.6	5.10
Cyanide	ND(0.550)	NA	ND(0.650)	0.280 B	0.230 B
Lead	17.1	NA	7.50	52.0	5.90
Mercury	0.110	NA	0.0380 B	0.230	ND(0.0690)
Nickel	11.3	NA	9.50	16.7	6.80
Selenium	ND(0.550)	NA	ND(0.650)	ND(0.620)	0.350 B
Silver	ND(1.10)	NA	ND(1.30)	ND(1.20)	ND(1.20)
Thallium	0.690 B	NA	ND(1.30)	1.10 B	0.680 B
Tin	ND(4.90)	NA	ND(5.50)	ND(8.10)	ND(4.80)
Vanadium	7.70	NA	8.20	15.3	9.60
Zinc	47.9	NA	38.8	92.2	26.7

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-H15 0-1 02/17/03	RAA15-H18 0-1 02/18/03	RAA15-J2 0-1 03/05/03	RAA15-J2 1-3 03/05/03	RAA15-J2 10-12 03/05/03
Volatile Organics					
2-Butanone	ND(0.0052) J	ND(0.0049) J	ND(0.0053) J	ND(0.0056) J	ND(0.0065) J
Acetone	ND(0.021) J	ND(0.020) J	ND(0.021) J	ND(0.023) J	ND(0.026) J
Benzene	ND(0.0052)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0065)
Carbon Disulfide	ND(0.0052)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0065)
Chloroform	ND(0.0052)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0065)
Ethylbenzene	ND(0.0052)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0065)
Methylene Chloride	ND(0.0052)	ND(0.0049)	ND(0.0053)	ND(0.0056)	0.0018 J
Toluene	ND(0.0052)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0065)
trans-1,2-Dichloroethene	ND(0.0052)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0065)
Trichloroethene	ND(0.0052)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0065)
Vinyl Chloride	ND(0.010)	ND(0.0099)	ND(0.011)	ND(0.011)	ND(0.013)
Xylenes (total)	ND(0.0052)	ND(0.0049)	ND(0.0053)	ND(0.0056)	ND(0.0065)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.45)	ND(0.79)	ND(0.40)	ND(0.36)	NA
1,2,4-Trichlorobenzene	ND(0.45)	ND(0.79)	ND(0.40)	ND(0.36)	NA
1,4-Dichlorobenzene	ND(0.45)	ND(0.79)	ND(0.40)	ND(0.36)	NA
1,4-Naphthoquinone	ND(2.2)	ND(3.8)	ND(2.0)	ND(1.7)	NA
2-Methylnaphthalene	ND(0.45)	ND(0.79)	0.080 J	ND(0.36)	NA
3&4-Methylphenol	ND(0.90)	ND(1.6)	ND(0.81)	ND(0.72)	NA
3,3'-Dichlorobenzidine	ND(2.2)	ND(3.8)	ND(2.0)	ND(1.7)	NA
3-Methylcholanthrene	ND(2.2)	ND(3.8)	ND(2.0)	ND(1.7)	NA
Acenaphthene	ND(0.45)	ND(0.79)	ND(0.40)	ND(0.36)	NA
Acenaphthylene	0.088 J	ND(0.79)	0.56	0.11 J	NA
Aniline	ND(0.45)	ND(0.79)	ND(0.40)	ND(0.36)	NA
Anthracene	0.060 J	ND(0.79)	0.16 J	0.048 J	NA
Benzo(a)anthracene	0.19 J	0.12 J	0.72	0.18 J	NA
Benzo(a)pyrene	0.24 J	0.16 J	1.1	0.20 J	NA
Benzo(b)fluoranthene	0.25 J	0.17 J	1.1	0.21 J	NA
Benzo(g,h,i)perylene	0.094 J	ND(0.79)	0.41	0.078 J	NA
Benzo(k)fluoranthene	0.25 J	0.20 J	0.98	0.22 J	NA
bis(2-Ethylhexyl)phthalate	ND(0.45)	ND(0.79)	ND(0.40)	ND(0.36)	NA
Chrysene	0.29 J	0.19 J	0.96	0.20 J	NA
Dibenzo(a,h)anthracene	ND(0.45)	ND(0.79)	0.14 J	ND(0.36)	NA
Dibenzofuran	ND(0.45)	ND(0.79)	ND(0.40)	ND(0.36)	NA
Diethylphthalate	ND(0.45)	ND(0.79)	ND(0.40)	ND(0.36)	NA
Di-n-Butylphthalate	ND(0.45)	ND(0.79)	ND(0.40)	ND(0.36)	NA
Fluoranthene	0.50	0.36 J	1.3	0.44	NA
Fluorene	ND(0.45)	ND(0.79)	ND(0.40)	ND(0.36)	NA
Hexachlorobenzene	ND(0.45)	ND(0.79)	ND(0.40)	ND(0.36)	NA
Indeno(1,2,3-cd)pyrene	0.12 J	ND(0.79)	0.44	0.099 J	NA
Isophorone	ND(0.45)	ND(0.79)	ND(0.40)	ND(0.36)	NA
Naphthalene	ND(0.45)	ND(0.79)	0.076 J	ND(0.36)	NA
Pentachlorobenzene	ND(0.45)	ND(0.79)	ND(0.40)	ND(0.36)	NA
Pentachlorophenol	ND(2.2)	ND(3.8)	ND(2.0)	ND(1.7)	NA
Phenanthrene	0.24 J	0.15 J	0.42	0.19 J	NA
Phenol	ND(0.45)	ND(0.79)	ND(0.40)	ND(0.36)	NA
Pyrene	0.34 J	0.19 J	1.1	0.25 J	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-H15 0-1 02/17/03	RAA15-H18 0-1 02/18/03	RAA15-J2 0-1 03/05/03	RAA15-J2 1-3 03/05/03	RAA15-J2 10-12 03/05/03
Furans					
2,3,7,8-TCDF	0.000013	0.000016	0.000011 J	0.0000086 J	NA
TCDFs (total)	ND(0.000073) X	ND(0.000091) X	ND(0.00090) X	ND(0.00015) X	NA
1,2,3,7,8-PeCDF	0.0000031 J	0.0000032 J	ND(0.0000033) X	0.0000025 J	NA
2,3,4,7,8-PeCDF	0.0000032 J	0.0000036 J	0.0000084	0.0000030 J	NA
PeCDFs (total)	ND(0.000055) X	ND(0.000089) X	ND(0.0015) X	ND(0.00030) X	NA
1,2,3,4,7,8-HxCDF	0.0000039 J	0.0000038 J	0.0000088	0.0000046 J	NA
1,2,3,6,7,8-HxCDF	ND(0.0000054) X	ND(0.0000092) X	ND(0.00018) X	ND(0.000037) X	NA
1,2,3,7,8,9-HxCDF	ND(0.00000016)	ND(0.00000016)	0.00000056 J	0.00000020 J	NA
2,3,4,6,7,8-HxCDF	0.0000011 J	0.0000021 J	0.0000067	0.0000019 J	NA
HxCDFs (total)	ND(0.000042) X	ND(0.000082) X	ND(0.00074) X	ND(0.00017) X	NA
1,2,3,4,6,7,8-HpCDF	0.000014	0.000027	0.000024	0.0000076	NA
1,2,3,4,7,8,9-HpCDF	ND(0.00000077) X	0.0000011 J	0.0000038 J	0.0000015 J	NA
HpCDFs (total)	ND(0.000028) X	0.000051	0.000063	ND(0.000019) X	NA
OCDF	0.000015	0.000016	0.000024	0.0000063 J	NA
Dioxins					
2,3,7,8-TCDD	ND(0.00000032)	ND(0.00000031)	ND(0.00000031)	ND(0.00000026)	NA
TCDDs (total)	0.00000053 J	ND(0.0000014) X	ND(0.0000022) X	0.00000051 J	NA
1,2,3,7,8-PeCDD	ND(0.00000026) X	ND(0.00000020)	ND(0.0000011) X	ND(0.00000033) X	NA
PeCDDs (total)	ND(0.0000015) X	ND(0.0000011) X	ND(0.000012) X	ND(0.0000025) X	NA
1,2,3,4,7,8-HxCDD	ND(0.00000019) X	ND(0.00000032) X	0.0000011 J	0.00000022 J	NA
1,2,3,6,7,8-HxCDD	ND(0.00000065) X	ND(0.00000078) X	0.0000028 J	ND(0.00000052) X	NA
1,2,3,7,8,9-HxCDD	ND(0.00000059) X	ND(0.00000055) X	0.0000020 J	ND(0.00000025) X	NA
HxCDDs (total)	ND(0.0000052) X	ND(0.0000064) X	ND(0.000029) X	ND(0.0000056) X	NA
1,2,3,4,6,7,8-HpCDD	0.000016	0.000014	0.000023	0.0000034 J	NA
HpCDDs (total)	0.000027	0.000025	0.000048	0.0000064 J	NA
OCDD	0.00015	0.00012	0.00015	0.000022	NA
Total TEQs (WHO TEFs)	0.0000045	0.0000054	0.000018	0.0000055	NA
Inorganics					
Antimony	ND(8.20) J	ND(7.20) J	ND(7.30) J	ND(6.50) J	NA
Arsenic	4.10	4.80	3.80	2.20	NA
Barium	43.2	34.1	31.6	18.8 B	NA
Beryllium	ND(0.460)	ND(0.460)	0.230 B	0.260 B	NA
Cadmium	0.550 B	0.670	0.230 B	ND(0.540)	NA
Chromium	25.1	10.5	7.40	7.70	NA
Cobalt	7.8	8	5.00 B	4.40 B	NA
Copper	23.6	15.9	32.6	11.1	NA
Cyanide	ND(0.680)	ND(0.400)	ND(0.610)	ND(0.540)	NA
Lead	42.5	23.7	76.8	14.5	NA
Mercury	0.230	0.110	0.0800 J	0.0570 J	NA
Nickel	14.5	16.7	10.9	9.50	NA
Selenium	0.520 B	ND(0.600)	ND(0.610)	ND(0.540)	NA
Silver	ND(1.40)	ND(1.20)	ND(1.20)	ND(1.10)	NA
Thallium	1.10 J	1.80	ND(1.20) J	ND(1.10) J	NA
Tin	8.70 B	9.00 B	ND(5.30)	ND(4.10)	NA
Vanadium	13.1	11.9	9.20	7.40	NA
Zinc	79.6	67.9	79.1	38.6	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-J2 10-15 03/05/03	RAA15-J4 0-1 03/05/03	RAA15-J4 3-6 03/05/03	RAA15-J4 4-6 03/05/03	RAA15-J4 6-8 03/05/03
Volatile Organics					
2-Butanone	NA	ND(0.0074) J	NA	ND(0.0057) J	ND(0.0048) J [ND(0.0050) J]
Acetone	NA	ND(0.030) J	NA	ND(0.023) J	ND(0.019) J [ND(0.020) J]
Benzene	NA	ND(0.0074)	NA	ND(0.0057)	ND(0.0048) [ND(0.0050)]
Carbon Disulfide	NA	ND(0.0074)	NA	ND(0.0057)	ND(0.0048) [ND(0.0050)]
Chloroform	NA	ND(0.0074)	NA	ND(0.0057)	ND(0.0048) [ND(0.0050)]
Ethylbenzene	NA	ND(0.0074)	NA	ND(0.0057)	ND(0.0048) [ND(0.0050)]
Methylene Chloride	NA	0.0019 J	NA	ND(0.0057)	ND(0.0048) [ND(0.0050)]
Toluene	NA	ND(0.0074)	NA	ND(0.0057)	ND(0.0048) [ND(0.0050)]
trans-1,2-Dichloroethene	NA	ND(0.0074)	NA	ND(0.0057)	ND(0.0048) [ND(0.0050)]
Trichloroethene	NA	0.00086 J	NA	ND(0.0057)	ND(0.0048) [ND(0.0050)]
Vinyl Chloride	NA	ND(0.015)	NA	ND(0.011)	ND(0.0095) [ND(0.0099)]
Xylenes (total)	NA	ND(0.0074)	NA	ND(0.0057)	ND(0.0048) [ND(0.0050)]
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
1,2,4-Trichlorobenzene	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
1,4-Dichlorobenzene	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
1,4-Naphthoquinone	ND(2.1)	ND(2.6)	ND(1.9)	NA	NA
2-Methylnaphthalene	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
3&4-Methylphenol	ND(0.85)	ND(1.1)	ND(0.79)	NA	NA
3,3'-Dichlorobenzidine	ND(2.1)	ND(2.6)	ND(1.9)	NA	NA
3-Methylcholanthrene	ND(2.1)	ND(2.6)	ND(1.9)	NA	NA
Acenaphthene	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
Acenaphthylene	ND(0.42)	0.13 J	ND(0.40)	NA	NA
Aniline	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
Anthracene	ND(0.42)	0.11 J	ND(0.40)	NA	NA
Benzo(a)anthracene	ND(0.42)	0.42 J	ND(0.40)	NA	NA
Benzo(a)pyrene	ND(0.42)	0.47 J	ND(0.40)	NA	NA
Benzo(b)fluoranthene	ND(0.42)	0.50 J	ND(0.40)	NA	NA
Benzo(g,h,i)perylene	ND(0.42)	0.13 J	ND(0.40)	NA	NA
Benzo(k)fluoranthene	ND(0.42)	0.49 J	ND(0.40)	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
Chrysene	ND(0.42)	0.52 J	ND(0.40)	NA	NA
Dibenzo(a,h)anthracene	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
Dibenzofuran	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
Diethylphthalate	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
Di-n-Butylphthalate	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
Fluoranthene	ND(0.42)	1.0	ND(0.40)	NA	NA
Fluorene	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
Hexachlorobenzene	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
Indeno(1,2,3-cd)pyrene	ND(0.42)	0.17 J	ND(0.40)	NA	NA
Isophorone	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
Naphthalene	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
Pentachlorobenzene	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
Pentachlorophenol	ND(2.1)	ND(2.6)	ND(1.9)	NA	NA
Phenanthrene	ND(0.42)	0.52 J	ND(0.40)	NA	NA
Phenol	ND(0.42)	ND(0.53)	ND(0.40)	NA	NA
Pyrene	ND(0.42)	0.73	ND(0.40)	NA	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-J2 10-15 03/05/03	RAA15-J4 0-1 03/05/03	RAA15-J4 3-6 03/05/03	RAA15-J4 4-6 03/05/03	RAA15-J4 6-8 03/05/03
Furans					
2,3,7,8-TCDF	ND(0.00000021)	ND(0.000034) XJ	ND(0.00000019)	NA	NA
TCDFs (total)	ND(0.00000033) X	ND(0.00026) X	ND(0.00000019)	NA	NA
1,2,3,7,8-PeCDF	ND(0.00000013)	0.0000074 J	ND(0.00000011)	NA	NA
2,3,4,7,8-PeCDF	ND(0.00000012)	0.0000085	ND(0.00000010)	NA	NA
PeCDFs (total)	ND(0.0000013) X	ND(0.00028) X	ND(0.00000093) X	NA	NA
1,2,3,4,7,8-HxCDF	ND(0.000000070) X	0.000012	ND(0.000000077)	NA	NA
1,2,3,6,7,8-HxCDF	ND(0.00000029) X	ND(0.000031) X	ND(0.00000019) X	NA	NA
1,2,3,7,8,9-HxCDF	ND(0.000000086)	ND(0.00000040) X	ND(0.000000091)	NA	NA
2,3,4,6,7,8-HxCDF	ND(0.000000078)	0.0000050 J	ND(0.000000082)	NA	NA
HxCDFs (total)	ND(0.0000012) X	ND(0.00036) X	ND(0.0000018) X	NA	NA
1,2,3,4,6,7,8-HpCDF	0.00000021 J	0.00042	0.0000030 J	NA	NA
1,2,3,4,7,8,9-HpCDF	ND(0.00000013)	0.0000063 J	ND(0.00000013)	NA	NA
HpCDFs (total)	0.00000021 J	ND(0.00080) X	0.0000058 J	NA	NA
OCDF	ND(0.00000019)	0.00026	0.0000028 J	NA	NA
Dioxins					
2,3,7,8-TCDD	ND(0.00000026)	ND(0.00000061) X	ND(0.00000025)	NA	NA
TCDDs (total)	ND(0.00000026)	ND(0.0000060) X	ND(0.00000025)	NA	NA
1,2,3,7,8-PeCDD	ND(0.00000012)	ND(0.0000013) X	ND(0.00000012)	NA	NA
PeCDDs (total)	ND(0.00000012)	ND(0.000013) X	ND(0.00000012)	NA	NA
1,2,3,4,7,8-HxCDD	ND(0.00000012)	ND(0.0000017) X	ND(0.00000014)	NA	NA
1,2,3,6,7,8-HxCDD	ND(0.00000012)	0.000010	ND(0.00000013)	NA	NA
1,2,3,7,8,9-HxCDD	ND(0.00000012)	0.0000057 J	ND(0.00000013)	NA	NA
HxCDDs (total)	ND(0.00000012)	0.000075 J	ND(0.00000013)	NA	NA
1,2,3,4,6,7,8-HpCDD	ND(0.00000016)	0.00026	0.0000021 J	NA	NA
HpCDDs (total)	ND(0.00000016)	0.00046	0.0000035 J	NA	NA
OCDD	ND(0.00000092) X	0.0025	0.000026	NA	NA
Total TEQs (WHO TEFs)	0.00000028	0.000019	0.00000032	NA	NA
Inorganics					
Antimony	ND(7.70) J	ND(9.60) J	ND(7.20) J	NA	NA
Arsenic	1.40	4.30	0.710 B	NA	NA
Barium	20.6 B	50.9	14.9 B	NA	NA
Beryllium	0.280 B	0.550 B	0.210 B	NA	NA
Cadmium	ND(0.640)	ND(0.800)	ND(0.600)	NA	NA
Chromium	6.30	21.3	4.60	NA	NA
Cobalt	4.70 B	8.50	3.50 B	NA	NA
Copper	5.7	24.9	3.1	NA	NA
Cyanide	ND(0.640)	ND(0.350)	ND(0.600)	NA	NA
Lead	3.20	46.2	2.10	NA	NA
Mercury	0.0310 J	0.190 J	ND(0.0400) J	NA	NA
Nickel	8.70	17.1	7.00	NA	NA
Selenium	ND(0.640)	ND(0.800)	ND(0.600)	NA	NA
Silver	ND(1.30)	ND(1.60)	ND(1.20)	NA	NA
Thallium	ND(1.30) J	1.20 J	ND(1.20) J	NA	NA
Tin	ND(3.90)	ND(6.90)	ND(3.30)	NA	NA
Vanadium	7.60	17.6	5.10 B	NA	NA
Zinc	35.6	90.3	27.2	NA	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA15-J4 6-10 03/05/03	RAA15-J4S 0-1 03/05/03	RAA15-J6 1-3 02/13/03	RAA15-J6 10-15 02/13/03
Volatile Organics				
2-Butanone	NA	NA	ND(0.0063) J	NA
Acetone	NA	NA	ND(0.025) J	NA
Benzene	NA	NA	ND(0.0063)	NA
Carbon Disulfide	NA	NA	ND(0.0063)	NA
Chloroform	NA	NA	ND(0.0063)	NA
Ethylbenzene	NA	NA	ND(0.0063)	NA
Methylene Chloride	NA	NA	ND(0.0063)	NA
Toluene	NA	NA	ND(0.0063)	NA
trans-1,2-Dichloroethene	NA	NA	ND(0.0063)	NA
Trichloroethene	NA	NA	ND(0.0063)	NA
Vinyl Chloride	NA	NA	ND(0.013)	NA
Xylenes (total)	NA	NA	ND(0.0063)	NA
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.38) [ND(0.38)]	NA	ND(0.42)	ND(0.40)
1,2,4-Trichlorobenzene	ND(0.38) [ND(0.38)]	NA	ND(0.42)	ND(0.40)
1,4-Dichlorobenzene	ND(0.38) [ND(0.38)]	NA	ND(0.42)	ND(0.40)
1,4-Naphthoquinone	ND(1.9) [ND(1.8)]	NA	ND(2.0)	ND(1.9)
2-Methylnaphthalene	ND(0.38) [ND(0.38)]	NA	ND(0.42)	ND(0.40)
3&4-Methylphenol	ND(0.77) [ND(0.76)]	NA	ND(0.83)	ND(0 79)
3,3'-Dichlorobenzidine	ND(1.9) [ND(1.8)]	NA	ND(2.0)	ND(1.9)
3-Methylcholanthrene	ND(1.9) [ND(1.8)]	NA	ND(2.0)	ND(1.9)
Acenaphthene	ND(0.38) [ND(0.38)]	NA	ND(0.42)	0.049 J
Acenaphthylene	ND(0.38) [ND(0.38)]	NA	0.13 J	ND(0.40)
Aniline	ND(0.38) [ND(0.38)]	NA	ND(0.42)	ND(0.40)
Anthracene	ND(0.38) [ND(0.38)]	NA	0.099 J	0.085 J
Benzo(a)anthracene	ND(0.38) [ND(0.38)]	NA	0.36 J	0.24 J
Benzo(a)pyrene	ND(0.38) [ND(0.38)]	NA	0.43	0.24 J
Benzo(b)fluoranthene	ND(0.38) [ND(0.38)]	NA	0.38 J	0.25 J
Benzo(g,h,i)perylene	ND(0.38) [ND(0.38)]	NA	0.18 J	0.080 J
Benzo(k)fluoranthene	ND(0.38) [ND(0.38)]	NA	0.43	0.26 J
bis(2-Ethylhexyl)phthalate	ND(0.38) [ND(0.38)]	NA	ND(0.42)	ND(0.40)
Chrysene	ND(0.38) [ND(0.38)]	NA	0.51	0.33 J
Dibenzo(a,h)anthracene	ND(0.38) [ND(0.38)]	NA	0.057 J	ND(0.40)
Dibenzofuran	ND(0.38) [ND(0.38)]	NA	ND(0.42)	0.062 J
Diethylphthalate	ND(0.38) [ND(0.38)]	NA	ND(0.42)	ND(0.40)
Di-n-Butylphthalate	ND(0.38) [ND(0.38)]	NA	ND(0.42)	ND(0.40)
Fluoranthene	ND(0.38) [ND(0.38)]	NA	0.92	0.82
Fluorene	ND(0.38) [ND(0.38)]	NA	ND(0.42)	0.059 J
Hexachlorobenzene	ND(0.38) [ND(0.38)]	NA	ND(0.42)	ND(0.40)
Indeno(1,2,3-cd)pyrene	ND(0.38) [ND(0.38)]	NA	0.20 J	0.11 J
Isophorone	ND(0.38) [ND(0.38)]	NA	ND(0.42)	ND(0.40)
Naphthalene	ND(0.38) [ND(0.38)]	NA	0.029 J	0.071 J
Pentachlorobenzene	ND(0.38) [ND(0.38)]	NA	ND(0.42)	ND(0.40)
Pentachlorophenol	ND(1.9) [ND(1.8)]	NA	ND(2.0)	ND(1.9)
Phenanthrene	ND(0.38) [ND(0.38)]	NA	0.54	0.78
Phenol	ND(0.38) [ND(0.38)]	NA	ND(0.42)	ND(0.40)
Pyrene	ND(0.38) [ND(0.38)]	NA	0.67	0.46

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA15-J4 6-10 03/05/03	RAA15-J4S 0-1 03/05/03	RAA15-J6 1-3 02/13/03	RAA15-J6 10-15 02/13/03
Furans				
2,3,7,8-TCDF	ND(0.00000015) [ND(0.00000018)]	ND(0.000021)X	0.000010 Y	ND(0.0000012) YJ
TCDFs (total)	ND(0.00000015) [ND(0.0000012) X]	ND(0.0023) X	0.000042	ND(0.0000012) YJ
1,2,3,7,8-PeCDF	ND(0.000000083) [ND(0.00000010)]	0.0000067	ND(0.0000028) X	ND(0.00000022) XJ
2,3,4,7,8-PeCDF	ND(0.000000080) [ND(0.000000096)]	0.000018	0.0000046 J	ND(0.00000017) J
PeCDFs (total)	ND(0.000000081) [ND(0.0000036) X]	ND(0.0029) X	0.000050	ND(0.00000022) XJ
1,2,3,4,7,8-HxCDF	ND(0.000000054) [ND(0.00000014) X]	0.000016	0.0000086	ND(0.00000045) X
1,2,3,6,7,8-HxCDF	0.000000070 J [ND(0.00000015) X]	ND(0.00016) X	0.0000048 J	ND(0.00000049) X
1,2,3,7,8,9-HxCDF	ND(0.000000063) [ND(0.000000070)]	ND(0.00000081) X	ND(0.00000051)	ND(0.00000017)
2,3,4,6,7,8-HxCDF	ND(0.000000057) [ND(0.000000063)]	0.000015	0.0000046 J	ND(0.00000014)
HxCDFs (total)	ND(0.00000047) X [ND(0.0000035) X]	ND(0.0010) X	0.00024	ND(0.0000019) X
1,2,3,4,6,7,8-HpCDF	ND(0.00000026) X [0.00000060 J]	0.000029	0.00034	0.0000058 J
1,2,3,4,7,8,9-HpCDF	ND(0.000000098) [ND(0.00000010)]	0.0000042 J	0.0000093	ND(0.00000016)
HpCDFs (total)	ND(0.00000054) X [0.0000013 J]	0.000069	0.00083	0.000011
OCDF	0.00000046 J [0.00000040 J]	0.000015	0.00044 D	ND(0.0000038)
Dioxins				
2,3,7,8-TCDD	ND(0.00000019) [ND(0.00000023)]	ND(0.00000026)	0.00000092 J	ND(0.00000014) J
TCDDs (total)	ND(0.00000019) [ND(0.00000023)]	ND(0.0000044) X	0.0000039	ND(0.00000014) J
1,2,3,7,8-PeCDD	ND(0.000000089) [ND(0.000000093)]	0.0000022 J	ND(0.0000023)	ND(0.00000035) J
PeCDDs (total)	ND(0.000000089) [ND(0.000000093)]	ND(0.000032) X	0.0000088	ND(0.00000072) J
1,2,3,4,7,8-HxCDD	ND(0.000000092) [ND(0.00000011)]	0.0000026 J	0.0000057 J	ND(0.00000016)
1,2,3,6,7,8-HxCDD	ND(0.000000087) [ND(0.000000099)]	0.000011	0.000031	ND(0.00000024) X
1,2,3,7,8,9-HxCDD	ND(0.000000090) [ND(0.00000010)]	0.0000070	0.000011	ND(0.00000014) X
HxCDDs (total)	ND(0.000000089) [ND(0.00000010)]	ND(0.00012) X	0.00019	ND(0.00000085) X
1,2,3,4,6,7,8-HpCDD	ND(0.00000035) X [ND(0.00000012) X]	0.000041	0.00091	0.0000045 J
HpCDDs (total)	ND(0.00000035) X [ND(0.00000030) X]	0.00014	0.0017	0.0000090
OCDD	ND(0.0000026) X [0.0000017 J]	0.00012	0.0082 D	ND(0.000046)
Total TEQs (WHO TEFs)	0.00000020 [0.00000024]	0.000027	0.000025	0.00000055
Inorganics				
Antimony	ND(7.00) J [ND(6.90) J]	NA	ND(7.60)	ND(7.20)
Arsenic	1.20 B [1.20]	NA	3.70	3.50
Barium	8.10 B [8.60 B]	NA	45.6	22.7 B
Beryllium	0.160 B [0.170 B]	NA	0.730	0.570 B
Cadmium	ND(0.580) [ND(0.580)]	NA	0.790	0.490 B
Chromium	4.70 [4.00]	NA	21.7	8.00
Cobalt	4.00 B [4.20 B]	NA	8.30	6.70
Copper	6.3 [6.8]	NA	28.9	11.2
Cyanide	ND(0.580) [ND(0.580)]	NA	0.280 B	0.240 B
Lead	2.80 [2.80]	NA	51.2	7.50
Mercury	ND(0.0390) J [0.0190 J]	NA	0.280	0.0440
Nickel	7.50 [7.60]	NA	16.4	12.2
Selenium	ND(0.580) [ND(0.580)]	NA	0.600 B	ND(0.600)
Silver	ND(1.20) [ND(1.20)]	NA	0.540 B	ND(1.20)
Thallium	ND(1.20) J [ND(1.20) J]	NA	0.950 B	0.710 B
Tin	ND(3.40) [ND(3.50)]	NA	ND(7.50)	ND(5.60)
Vanadium	5.00 B [5.00 B]	NA	19.4	7.10
Zinc	22.9 [23.5]	NA	93.7	46.0

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA15-J6 12-15 02/13/03	RAA15-J7 0-1 02/13/03	RAA15-J9 1-3 02/20/03	RAA15-J9 3-5 02/20/03	RAA15-J9 4-5 02/20/03
Volatile Organics					
2-Butanone	ND(0.0055) J	ND(0.0056) J	ND(0.0051)	NA	ND(0.0047)
Acetone	ND(0.022) J	ND(0.022) J	ND(0.020)	NA	ND(0.019)
Benzene	ND(0.0055)	ND(0.0056)	ND(0.0051)	NA	ND(0.0047)
Carbon Disulfide	ND(0.0055)	ND(0.0056)	ND(0.0051)	NA	ND(0.0047)
Chloroform	ND(0.0055)	ND(0.0056)	ND(0.0051)	NA	ND(0.0047)
Ethylbenzene	ND(0.0055)	ND(0.0056)	ND(0.0051)	NA	ND(0.0047)
Methylene Chloride	ND(0.0055)	ND(0.0056)	ND(0.0051)	NA	ND(0.0047)
Toluene	ND(0.0055)	ND(0.0056)	ND(0.0051)	NA	ND(0.0047)
trans-1,2-Dichloroethene	ND(0.0055)	ND(0.0056)	ND(0.0051)	NA	ND(0.0047)
Trichloroethene	ND(0.0055)	ND(0.0056)	ND(0.0051)	NA	ND(0.0047)
Vinyl Chloride	ND(0.011)	ND(0.011)	ND(0.010)	NA	ND(0.0093)
Xylenes (total)	ND(0.0055)	ND(0.0056)	ND(0.0051)	NA	ND(0.0047)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
1,2,4-Trichlorobenzene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
1,4-Dichlorobenzene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
1,4-Naphthoquinone	NA	ND(2.0)	ND(1.8)	ND(1.9)	NA
2-Methylnaphthalene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
3&4-Methylphenol	NA	ND(0.81)	ND(0.73)	ND(0.78)	NA
3,3'-Dichlorobenzidine	NA	ND(2.0)	ND(1.8)	ND(1.9)	NA
3-Methylcholanthrene	NA	ND(2.0)	ND(1.8)	ND(1.9)	NA
Acenaphthene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Acenaphthylene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Aniline	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Anthracene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Benzo(a)anthracene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Benzo(a)pyrene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Benzo(b)fluoranthene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Benzo(g,h,i)perylene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Benzo(k)fluoranthene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
bis(2-Ethylhexyl)phthalate	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Chrysene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Dibenzo(a,h)anthracene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Dibenzofuran	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Diethylphthalate	NA	0.084 J	ND(0.37)	ND(0.39)	NA
Di-n-Butylphthalate	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Fluoranthene	NA	0.067 J	ND(0.37)	ND(0.39)	NA
Fluorene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Hexachlorobenzene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Indeno(1,2,3-cd)pyrene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Isophorone	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Naphthalene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Pentachlorobenzene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Pentachlorophenol	NA	ND(2.0)	ND(1.8)	ND(1.9)	NA
Phenanthrene	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Phenol	NA	ND(0.40)	ND(0.37)	ND(0.39)	NA
Pyrene	NA	0.051 J	ND(0.37)	ND(0.39)	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA15-J6 12-15 02/13/03	RAA15-J7 0-1 02/13/03	RAA15-J9 1-3 02/20/03	RAA15-J9 3-5 02/20/03	RAA15-J9 4-5 02/20/03
Furans					
2,3,7,8-TCDF	NA	0.0000014 Y	ND(0.00000027)	ND(0.00000025)	NA
TCDFs (total)	NA	0.0000042	ND(0.00000027)	ND(0.00000026) X	NA
1,2,3,7,8-PeCDF	NA	ND(0.00000052) X	ND(0.00000015)	ND(0.00000012)	NA
2,3,4,7,8-PeCDF	NA	ND(0.00000059) X	ND(0.00000015)	ND(0.00000012)	NA
PeCDFs (total)	NA	ND(0.0000015) X	ND(0.00000015)	ND(0.00000012)	NA
1,2,3,4,7,8-HxCDF	NA	ND(0.0000011) X	ND(0.000000088)	ND(0.000000078)	NA
1,2,3,6,7,8-HxCDF	NA	ND(0.00000071) X	ND(0.000000081)	ND(0.000000072)	NA
1,2,3,7,8,9-HxCDF	NA	ND(0.00000026)	ND(0.00000010)	ND(0.000000092)	NA
2,3,4,6,7,8-HxCDF	NA	ND(0.00000057) X	ND(0.000000093)	ND(0.000000083)	NA
HxCDFs (total)	NA	0.000013	ND(0.000000091)	ND(0.000000080)	NA
1,2,3,4,6,7,8-HpCDF	NA	0.000019	ND(0.00000036) X	ND(0.00000012)	NA
1,2,3,4,7,8,9-HpCDF	NA	ND(0.00000065) X	ND(0.00000017)	ND(0.00000015)	NA
HpCDFs (total)	NA	0.000040	ND(0.00000064) X	ND(0.00000013)	NA
OCDF	NA	0.000022	ND(0.00000035) X	ND(0.00000027)	NA
Dioxins					
2,3,7,8-TCDD	NA	ND(0.00000012) X	ND(0.00000038)	ND(0.00000034)	NA
TCDDs (total)	NA	ND(0.00000022) X	ND(0.00000038)	ND(0.00000034)	NA
1,2,3,7,8-PeCDD	NA	ND(0.00000026) X	ND(0.00000016)	ND(0.00000014)	NA
PeCDDs (total)	NA	ND(0.00000066) X	ND(0.00000016)	ND(0.00000066) X	NA
1,2,3,4,7,8-HxCDD	NA	ND(0.00000046) X	ND(0.00000017)	ND(0.00000016)	NA
1,2,3,6,7,8-HxCDD	NA	ND(0.0000013) X	ND(0.00000016)	ND(0.00000015)	NA
1,2,3,7,8,9-HxCDD	NA	ND(0.0000012) X	ND(0.00000017)	ND(0.00000016)	NA
HxCDDs (total)	NA	0.0000039	ND(0.00000017)	ND(0.00000031) X	NA
1,2,3,4,6,7,8-HpCDD	NA	0.000040	0.00000036 J	ND(0.00000017)	NA
HpCDDs (total)	NA	0.000067	0.00000036 J	ND(0.00000017)	NA
OCDD	NA	0.00028	0.0000033 J	0.0000017 J	NA
Total TEQs (WHO TEFs)	NA	0.0000014	0.00000037	0.00000033	NA
Inorganics					
Antimony	NA	ND(7.30)	ND(6.60)	ND(7.10)	NA
Arsenic	NA	3.20	2.80	4.40	NA
Barium	NA	31.7	29.3	32.9	NA
Beryllium	NA	0.650	0.190 B	0.180 B	NA
Cadmium	NA	0.680	0.190 B	0.340 B	NA
Chromium	NA	9.90	9.30	10.8	NA
Cobalt	NA	8.50	6.40	10.0	NA
Copper	NA	16.6	7.50	19.6	NA
Cyanide	NA	0.220 B	ND(0.550)	ND(0.590)	NA
Lead	NA	29.5	4.80	8.30	NA
Mercury	NA	0.0550	0.0370 B	ND(0.0390)	NA
Nickel	NA	16.5	11.2	18.4	NA
Selenium	NA	ND(0.610)	ND(0.550)	ND(0.590)	NA
Silver	NA	ND(1.20)	ND(1.10)	ND(1.20)	NA
Thallium	NA	0.830 B	ND(1.10)	ND(1.20)	NA
Tin	NA	ND(5.60)	ND(4.60)	ND(4.70)	NA
Vanadium	NA	11.9	10.1	13.2	NA
Zinc	NA	74.7	44.9	61.7	NA

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-J18 1-3 02/14/03	RAA15-J18 6-10 02/14/03	RAA15-J18 8-10 02/14/03	RAA15-J19 0-1 02/18/03	RAA15-L3 0-1 03/05/03
Volatile Organics					
2-Butanone	ND(0.0052) J	NA	ND(0.0064) J	ND(0.0060) J	ND(0.0070) J
Acetone	ND(0.021) J	NA	0.0087 J	ND(0.024) J	ND(0.028) J
Benzene	ND(0.0052)	NA	ND(0.0064)	ND(0.0060)	ND(0.0070)
Carbon Disulfide	ND(0.0052)	NA	ND(0.0064)	ND(0.0060)	ND(0.0070)
Chloroform	ND(0.0052)	NA	ND(0.0064)	ND(0.0060)	ND(0.0070)
Ethylbenzene	ND(0.0052)	NA	ND(0.0064)	ND(0.0060)	ND(0.0070)
Methylene Chloride	0.00088 J	NA	ND(0.0064)	ND(0.0060)	0.0017 J
Toluene	ND(0.0052)	NA	ND(0.0064)	ND(0.0060)	ND(0.0070)
trans-1,2-Dichloroethene	ND(0.0052)	NA	ND(0.0064)	ND(0.0060)	ND(0.0070)
Trichloroethene	ND(0.0052)	NA	ND(0.0064)	ND(0.0060)	ND(0.0070)
Vinyl Chloride	ND(0.010)	NA	ND(0.013)	ND(0.012)	ND(0.014)
Xylenes (total)	0.0017 J	NA	0.0026 J	ND(0.0060)	ND(0.0070)
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
1,2,4-Trichlorobenzene	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
1,4-Dichlorobenzene	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
1,4-Naphthoquinone	ND(1.8)	ND(2.2)	NA	ND(2.2)	ND(2.1)
2-Methylnaphthalene	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
3&4-Methylphenol	ND(0.74)	ND(0.92)	NA	ND(0.90)	ND(0.87)
3,3'-Dichlorobenzidine	ND(1.8)	ND(2.2)	NA	ND(2.2)	ND(2.1)
3-Methylcholanthrene	ND(1.8)	ND(2.2)	NA	ND(2.2)	ND(2.1)
Acenaphthene	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
Acenaphthylene	ND(0.37)	ND(0.46)	NA	ND(0.45)	0.037 J
Aniline	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
Anthracene	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
Benzo(a)anthracene	ND(0.37)	0.064 J	NA	0.064 J	0.17 J
Benzo(a)pyrene	ND(0.37)	0.054 J	NA	0.077 J	0.19 J
Benzo(b)fluoranthene	ND(0.37)	0.054 J	NA	0.070 J	0.20 J
Benzo(g,h,i)perylene	ND(0.37)	ND(0.46)	NA	0.066 J	ND(0.43)
Benzo(k)fluoranthene	ND(0.37)	ND(0.46)	NA	ND(0.45)	0.20 J
bis(2-Ethylhexyl)phthalate	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
Chrysene	ND(0.37)	0.089 J	NA	0.097 J	0.21 J
Dibenzo(a,h)anthracene	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
Dibenzofuran	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
Diethylphthalate	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
Di-n-Butylphthalate	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
Fluoranthene	ND(0.37)	0.10 J	NA	0.15 J	0.43
Fluorene	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
Hexachlorobenzene	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
Indeno(1,2,3-cd)pyrene	ND(0.37)	ND(0.46)	NA	0.066 J	0.073 J
Isophorone	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
Naphthalene	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
Pentachlorobenzene	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
Pentachlorophenol	ND(1.8)	ND(2.2)	NA	ND(2.2)	ND(2.1)
Phenanthrene	ND(0.37)	0.060 J	NA	0.083 J	0.18 J
Phenol	ND(0.37)	ND(0.46)	NA	ND(0.45)	ND(0.43)
Pyrene	ND(0.37)	0.12 J	NA	0.15 J	0.27 J

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA15-J18 1-3 02/14/03	RAA15-J18 6-10 02/14/03	RAA15-J18 8-10 02/14/03	RAA15-J19 0-1 02/18/03	RAA15-L3 0-1 03/05/03
Furans					
2,3,7,8-TCDF	ND(0.00000053) Y	0.0000034 Y	NA	0.000021 J	ND(0.0000033) X
TCDFs (total)	0.00000063	0.0000085	NA	ND(0.00015) X	ND(0.000046) X
1,2,3,7,8-PeCDF	ND(0.00000020) X	ND(0.0000020) X	NA	ND(0.0000043) X	0.0000011 J
2,3,4,7,8-PeCDF	ND(0.00000019) X	ND(0.00000085) X	NA	0.0000068 J	0.0000015 J
PeCDFs (total)	ND(0.00000025)	ND(0.0000020)	NA	ND(0.00016) X	ND(0.000062) X
1,2,3,4,7,8-HxCDF	ND(0.00000044) X	ND(0.0000015) X	NA	0.0000080	ND(0.0000020) X
1,2,3,6,7,8-HxCDF	ND(0.00000016) X	ND(0.0000020) X	NA	ND(0.000015) X	ND(0.0000079) X
1,2,3,7,8,9-HxCDF	ND(0.00000011)	ND(0.00000022) X	NA	ND(0.00000027)	0.00000026 J
2,3,4,6,7,8-HxCDF	ND(0.00000018) X	ND(0.00000074) X	NA	ND(0.00000025)	ND(0.0000011) X
HxCDFs (total)	ND(0.00000044)	0.000015	NA	ND(0.000097) X	ND(0.000075) X
1,2,3,4,6,7,8-HpCDF	ND(0.00000088) X	0.000022	NA	0.000037	0.000055
1,2,3,4,7,8,9-HpCDF	ND(0.00000011) X	ND(0.0000014) X	NA	0.0000017 J	0.0000016 J
HpCDFs (total)	ND(0.00000088)	0.000051	NA	ND(0.000069) X	0.00011
OCDF	ND(0.0000013) X	0.000038	NA	0.000028	0.000049
Dioxins					
2,3,7,8-TCDD	ND(0.00000011) X	ND(0.000000099)	NA	ND(0.00000053)	ND(0.00000029)
TCDDs (total)	ND(0.00000011)	ND(0.00000015)	NA	ND(0.0000016) X	ND(0.0000011) X
1,2,3,7,8-PeCDD	ND(0.00000024)	ND(0.00000026)	NA	ND(0.00000046) X	ND(0.00000033) X
PeCDDs (total)	ND(0.00000024)	ND(0.0000011)	NA	ND(0.0000037) X	ND(0.0000022) X
1,2,3,4,7,8-HxCDD	ND(0.00000015)	ND(0.00000051) X	NA	ND(0.00000031)	ND(0.00000040) X
1,2,3,6,7,8-HxCDD	ND(0.00000023) X	0.0000042 J	NA	ND(0.0000012) X	0.0000022 J
1,2,3,7,8,9-HxCDD	ND(0.00000017) X	ND(0.0000011)	NA	ND(0.00000076) X	0.0000015 J
HxCDDs (total)	ND(0.00000027)	0.000023	NA	ND(0.000010) X	ND(0.000019) X
1,2,3,4,6,7,8-HpCDD	ND(0.0000022) X	0.000069	NA	0.000025 J	0.000049
HpCDDs (total)	ND(0.0000022)	0.00013	NA	0.000042	0.000089
OCDD	ND(0.000028)	0.00074	NA	0.00020 J	0.00050
Total TEQs (WHO TEFs)	0.00000034	0.0000025	NA	0.0000085	0.0000034
Inorganics					
Antimony	ND(6.80) J	ND(8.30) J	NA	ND(8.20) J	ND(7.90) J
Arsenic	5.70	1.80	NA	6.70	2.40
Barium	40.6	23.6 B	NA	77.4	27.7
Beryllium	ND(0.400)	ND(0.280)	NA	0.900	0.280 B
Cadmium	0.760	0.330 B	NA	0.860	ND(0.660)
Chromium	12.4	17.5	NA	38.4	10.1
Cobalt	11.5	5.30 B	NA	11.6	5.90 B
Copper	21.2	13.6	NA	34.5	12.7
Cyanide	ND(0.560)	ND(0.690)	NA	ND(0.240)	ND(0.290)
Lead	10.9	13.6	NA	58.7	15.2
Mercury	0.0420	0.110	NA	0.540	0.0330 J
Nickel	22.2	9.60	NA	20.5	11.3
Selenium	ND(0.560)	ND(0.700)	NA	0.610 B	ND(0.660)
Silver	ND(1.10)	ND(1.40)	NA	ND(1.40)	ND(1.30)
Thallium	1.70	1.10 B	NA	2.40	ND(1.30) J
Tin	ND(5.20)	ND(7.30)	NA	9.40 B	ND(4.70)
Vanadium	11.3	7.60	NA	21.8	10.3
Zinc	75.4	54.7	NA	110	56.2

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-L6 0-1 02/13/03	RAA15-L13 3-5 02/11/03	RAA15-L16 0-1 02/12/03	RAA15-L17 0-1 02/17/03	RAA15-M11 0-1 02/12/03
Volatile Organics					
2-Butanone	ND(0.0059) J	ND(0.0050)	ND(0.0064)	ND(0.0054) J	ND(0.0059)
Acetone	ND(0.024) J	ND(0.020) J	0.0097 J	ND(0.022) J	ND(0.024) J
Benzene	ND(0.0059)	ND(0.0050)	ND(0.0064)	ND(0.0054)	ND(0.0059)
Carbon Disulfide	ND(0.0059)	ND(0.0050)	ND(0.0064)	ND(0.0054)	ND(0.0059)
Chloroform	ND(0.0059)	ND(0.0050)	ND(0.0064)	ND(0.0054)	ND(0.0059)
Ethylbenzene	ND(0.0059)	0.00050 J	ND(0.0064)	ND(0.0054)	ND(0.0059)
Methylene Chloride	ND(0.0059)	0.0011 J	ND(0.0064)	ND(0.0054)	ND(0.0059)
Toluene	ND(0.0059)	ND(0.0050)	ND(0.0064)	ND(0.0054)	ND(0.0059)
trans-1,2-Dichloroethene	ND(0.0059)	ND(0.0050)	ND(0.0064)	ND(0.0054)	ND(0.0059)
Trichloroethene	ND(0.0059)	ND(0.0050)	ND(0.0064)	ND(0.0054)	ND(0.0059)
Vinyl Chloride	ND(0.012)	ND(0.010)	ND(0.013)	ND(0.011)	ND(0.012)
Xylenes (total)	ND(0.0059)	0.0034 J	ND(0.0064)	ND(0.0054)	0.0014 J
Semivolatile Organics					
1,2,4,5-Tetrachlorobenzene	ND(0.43)	ND(0.38)	ND(0.42)	ND(0.40)	ND(0.83)
1,2,4-Trichlorobenzene	ND(0.43)	ND(0.38)	ND(0.42)	ND(0.40)	ND(0.83)
1,4-Dichlorobenzene	ND(0.43)	ND(0.38)	ND(0.42)	ND(0.40)	ND(0.83)
1,4-Naphthoquinone	ND(2.1)	ND(1.9)	ND(2.0)	ND(2.0)	ND(4.0)
2-Methylnaphthalene	ND(0.43)	ND(0.38)	ND(0.42)	ND(0.40)	ND(0.83)
3&4-Methylphenol	ND(0.86)	0.098 J	ND(0.83)	ND(0.81)	ND(1.7)
3,3'-Dichlorobenzidine	ND(2.1)	ND(1.9)	ND(2.0)	ND(2.0)	ND(4.0)
3-Methylcholanthrene	ND(2.1)	ND(1.9)	ND(2.0)	ND(2.0)	ND(4.0)
Acenaphthene	ND(0.43)	ND(0.38)	ND(0.42)	ND(0.40)	ND(0.83)
Acenaphthylene	0.085 J	0.042 J	0.20 J	0.030 J	0.10 J
Aniline	ND(0.43)	ND(0.38)	ND(0.42)	ND(0.40)	ND(0.83)
Anthracene	0.062 J	0.051 J	0.12 J	ND(0.40)	ND(0.83)
Benzo(a)anthracene	0.23 J	0.19 J	0.52	0.095 J	0.21 J
Benzo(a)pyrene	0.27 J	0.22 J	0.63	0.12 J	0.22 J
Benzo(b)fluoranthene	0.26 J	0.18 J	0.64	0.11 J	0.19 J
Benzo(g,h,i)perylene	0.11 J	0.16 J	0.24 J	ND(0.40)	ND(0.83)
Benzo(k)fluoranthene	0.26 J	0.21 J	0.57	0.13 J	0.23 J
bis(2-Ethylhexyl)phthalate	ND(0.43)	ND(0.38)	ND(0.42)	ND(0.40)	ND(0.83)
Chrysene	0.32 J	0.23 J	0.76	0.13 J	0.27 J
Dibenzo(a,h)anthracene	ND(0.43)	ND(0.38)	0.10 J	ND(0.40)	ND(0.83)
Dibenzofuran	ND(0.43)	ND(0.38)	ND(0.42)	ND(0.40)	ND(0.83)
Diethylphthalate	0.10 J	ND(0.38)	ND(0.42)	ND(0.40)	ND(0.83)
Di-n-Butylphthalate	ND(0.43)	0.13 J	ND(0.42)	ND(0.40)	ND(0.83)
Fluoranthene	0.60	0.36 J	1.3	0.24 J	0.37 J
Fluorene	ND(0.43)	ND(0.38)	ND(0.42)	ND(0.40)	ND(0.83)
Hexachlorobenzene	ND(0.43)	ND(0.38)	ND(0.42)	ND(0.40)	ND(0.83)
Indeno(1,2,3-cd)pyrene	0.13 J	0.17 J	0.29 J	ND(0.40)	ND(0.83)
Isophorone	ND(0.43)	ND(0.38)	ND(0.42)	ND(0.40)	ND(0.83)
Naphthalene	ND(0.43)	0.028 J	0.028 J	ND(0.40)	ND(0.83)
Pentachlorobenzene	ND(0.43)	ND(0.38)	ND(0.42)	ND(0.40)	ND(0.83)
Pentachlorophenol	ND(2.1)	ND(1.9)	ND(2.0)	ND(2.0)	ND(4.0)
Phenanthrene	0.34 J	0.19 J	0.58	0.10 J	0.18 J
Phenol	ND(0.43)	ND(0.38)	ND(0.42)	ND(0.40)	ND(0.83)
Pyrene	0.43	0.33 J	0.97	0.15 J	0.36 J

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter Date Collected:	RAA15-L6 0-1 02/13/03	RAA15-L13 3-5 02/11/03	RAA15-L16 0-1 02/12/03	RAA15-L17 0-1 02/17/03	RAA15-M11 0-1 02/12/03
Furans					
2,3,7,8-TCDF	0.000013 Y	0.0000053 Y	0.0000089 Y	0.0000014	0.0000043 Y
TCDFs (total)	0.000056	0.000030	0.000056	ND(0.0000051) X	0.000029
1,2,3,7,8-PeCDF	0.0000046 J	0.0000033 J	ND(0.0000028) X	ND(0.00000029) X	ND(0.00000086)
2,3,4,7,8-PeCDF	0.0000090	0.0000029 J	0.0000040 J	ND(0.00000034) X	ND(0.0000018)
PeCDFs (total)	0.000051	0.000014	0.000048	ND(0.0000064) X	0.0000064
1,2,3,4,7,8-HxCDF	0.000013	0.0000038 J	0.0000036 J	0.00000058 J	ND(0.0000020) X
1,2,3,6,7,8-HxCDF	0.0000069	0.0000030 J	ND(0.0000026) X	ND(0.00000088) X	ND(0.00000066) X
1,2,3,7,8,9-HxCDF	ND(0.00000099)	ND(0.00000065)	ND(0.0000011)	ND(0.00000012)	ND(0.00000074)
2,3,4,6,7,8-HxCDF	0.0000064 J	ND(0.0000014) X	0.0000032 J	ND(0.00000017) X	ND(0.00000087) X
HxCDFs (total)	0.00041	0.000015	0.000058	ND(0.0000060) X	ND(0.0000036)
1,2,3,4,6,7,8-HpCDF	0.00088	0.0000076	0.000080	0.0000018 J	ND(0.0000028) X
1,2,3,4,7,8,9-HpCDF	0.0000085	ND(0.0000017) X	ND(0.0000021) X	ND(0.00000018)	ND(0.00000058) X
HpCDFs (total)	0.0016	0.0000076	0.00014	ND(0.0000029) X	ND(0.0000028)
OCDF	0.00056 D	ND(0.0000050)	0.000046	0.0000012 J	ND(0.0000017)
Dioxins					
2,3,7,8-TCDD	0.0000020	ND(0.00000045)	ND(0.00000053)	ND(0.00000040)	ND(0.00000053)
TCDDs (total)	0.0000048	ND(0.00000045)	0.0000014	ND(0.00000040)	ND(0.00000053)
1,2,3,7,8-PeCDD	ND(0.0000015) X	ND(0.00000061)	ND(0.00000084)	ND(0.00000017)	ND(0.00000079)
PeCDDs (total)	ND(0.0000031)	ND(0.00000061)	ND(0.0000017)	ND(0.00000017)	ND(0.00000079)
1,2,3,4,7,8-HxCDD	0.0000036 J	ND(0.00000054)	ND(0.00000071)	ND(0.00000019)	ND(0.00000081)
1,2,3,6,7,8-HxCDD	0.000020	ND(0.00000049)	ND(0.0000024) X	ND(0.00000018)	ND(0.00000072)
1,2,3,7,8,9-HxCDD	0.0000065 J	ND(0.00000046)	ND(0.0000012) X	ND(0.00000018)	ND(0.00000068)
HxCDDs (total)	0.00013	ND(0.0000010)	0.000016	ND(0.00000018)	ND(0.00000081)
1,2,3,4,6,7,8-HpCDD	0.00045	0.0000049 J	0.000021	0.0000010 J	ND(0.0000018)
HpCDDs (total)	0.00083	0.0000098	0.000038	ND(0.0000016) X	ND(0.0000018)
OCDD	0.0048 D	0.000050	0.00011	0.0000076 J	0.000010 J
Total TEQs (WHO TEFs)	0.000028	0.0000037	0.0000058	0.00000069	0.0000019
Inorganics					
Antimony	ND(7.80)	ND(6.90) J	ND(7.60) J	ND(8.20) J	ND(7.60) J
Arsenic	4.10	3.90	6.30	3.80	4.80
Barium	47.1	47.5	59.0	41.8	57.0
Beryllium	0.820	0.490 B	0.600 B	ND(0.500)	0.780
Cadmium	0.910	0.570 B	0.740	0.500 B	0.550 B
Chromium	22.7	11.6	11.8	23.6	12.9
Cobalt	7.60	8.30	9.50	7.4	8.80
Copper	26.0	21.4	23.5	25.7	32.3
Cyanide	0.320 B	0.230 B	0.300 B	ND(0.610)	0.250 B
Lead	52.9	262	45.3	33	45.1
Mercury	0.240	0.170	0.150	0.240	ND(0.0940)
Nickel	15.2	15.7	19.1	13.7	14.7
Selenium	0.410 B	ND(0.580)	ND(0.630)	0.360 B	0.490 B
Silver	0.0900 B	ND(1.20)	ND(1.30)	ND(1.20)	ND(1.30)
Thallium	0.860 B	0.950 B	1.00 B	1.60	1.20 B
Tin	ND(8.00)	34.7	ND(6.70)	8.00 B	ND(6.40)
Vanadium	13.8	11.5	14.9	13.4	17.0
Zinc	95.7	88.6	95.4	69.2	79.9

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA15-N6 1-3 02/13/03	RAA15-N6 3-6 02/13/03	RAA15-N6 4-6 02/13/03	RAA15-P13 1-3 02/10/03
Volatile Organics				
2-Butanone	ND(0.0051) J	NA	ND(0.0053) J	ND(0.0053)
Acetone	ND(0.020) J	NA	ND(0.021) J	ND(0.021) J
Benzene	ND(0.0051)	NA	ND(0.0053)	ND(0.0053)
Carbon Disulfide	ND(0.0051)	NA	ND(0.0053)	ND(0.0053)
Chloroform	ND(0.0051)	NA	ND(0.0053)	ND(0.0053)
Ethylbenzene	ND(0.0051)	NA	ND(0.0053)	ND(0.0053)
Methylene Chloride	0.0012 J	NA	0.0011 J	0.00096 J
Toluene	ND(0.0051)	NA	ND(0.0053)	ND(0.0053)
trans-1,2-Dichloroethene	ND(0.0051)	NA	ND(0.0053)	ND(0.0053)
Trichloroethene	ND(0.0051)	NA	ND(0.0053)	ND(0.0053)
Vinyl Chloride	ND(0.010)	NA	ND(0.011)	ND(0.011)
Xylenes (total)	ND(0.0051)	NA	ND(0.0053)	ND(0.0053)
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.37)	ND(0.38)	NA	ND(0.40)
1,2,4-Trichlorobenzene	ND(0.37)	ND(0.38)	NA	ND(0.40)
1,4-Dichlorobenzene	ND(0.37)	ND(0.38)	NA	ND(0.40)
1,4-Naphthoquinone	ND(1.8)	ND(1.8)	NA	ND(1.9)
2-Methylnaphthalene	ND(0.37)	ND(0.38)	NA	ND(0.40)
3&4-Methylphenol	ND(0.74)	ND(0.76)	NA	ND(0.80)
3,3'-Dichlorobenzidine	ND(1.8)	ND(1.8)	NA	ND(1.9)
3-Methylcholanthrene	ND(1.8)	ND(1.8)	NA	ND(1.9)
Acenaphthene	ND(0.37)	ND(0.38)	NA	ND(0.40)
Acenaphthylene	ND(0.37)	ND(0.38)	NA	0.037 J
Aniline	ND(0.37)	ND(0.38)	NA	ND(0.40)
Anthracene	ND(0.37)	ND(0.38)	NA	ND(0.40)
Benzo(a)anthracene	ND(0.37)	ND(0.38)	NA	0.11 J
Benzo(a)pyrene	ND(0.37)	ND(0.38)	NA	0.13 J
Benzo(b)fluoranthene	ND(0.37)	ND(0.38)	NA	0.11 J
Benzo(g,h,i)perylene	ND(0.37)	ND(0.38)	NA	0.11 J
Benzo(k)fluoranthene	ND(0.37)	ND(0.38)	NA	0.14 J
bis(2-Ethylhexyl)phthalate	ND(0.37)	ND(0.38)	NA	ND(0.40)
Chrysene	ND(0.37)	ND(0.38)	NA	0.17 J
Dibenzo(a,h)anthracene	ND(0.37)	ND(0.38)	NA	ND(0.40)
Dibenzofuran	ND(0.37)	ND(0.38)	NA	ND(0.40)
Diethylphthalate	0.13 J	ND(0.38)	NA	ND(0.40)
Di-n-Butylphthalate	ND(0.37)	ND(0.38)	NA	ND(0.40)
Fluoranthene	ND(0.37)	ND(0.38)	NA	0.23 J
Fluorene	ND(0.37)	ND(0.38)	NA	ND(0.40)
Hexachlorobenzene	ND(0.37)	ND(0.38)	NA	ND(0.40)
Indeno(1,2,3-cd)pyrene	ND(0.37)	ND(0.38)	NA	0.11 J
Isophorone	ND(0.37)	ND(0.38)	NA	ND(0.40)
Naphthalene	ND(0.37)	ND(0.38)	NA	ND(0.40)
Pentachlorobenzene	ND(0.37)	ND(0.38)	NA	ND(0.40)
Pentachlorophenol	ND(1.8)	ND(1.8)	NA	ND(1.9)
Phenanthrene	ND(0.37)	ND(0.38)	NA	0.13 J
Phenol	ND(0.37)	ND(0.38)	NA	ND(0.40)
Pyrene	0.048 J	ND(0.38)	NA	0.24 J

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA15-N6 1-3 02/13/03	RAA15-N6 3-6 02/13/03	RAA15-N6 4-6 02/13/03	RAA15-P13 1-3 02/10/03
Furans				
2,3,7,8-TCDF	0.0000017 Y	ND(0.00000019)	NA	0.0000059 Y
TCDFs (total)	0.0000056	ND(0.00000019)	NA	0.000045
1,2,3,7,8-PeCDF	ND(0.00000041) X	ND(0.00000013) X	NA	ND(0.0000022) X
2,3,4,7,8-PeCDF	ND(0.00000037) X	ND(0.00000017) X	NA	0.0000033 J
PeCDFs (total)	ND(0.00000046)	ND(0.00000017) X	NA	0.000026
1,2,3,4,7,8-HxCDF	ND(0.00000066) X	ND(0.00000018) X	NA	0.0000031 J
1,2,3,6,7,8-HxCDF	ND(0.00000025) X	ND(0.00000013) X	NA	ND(0.0000018) X
1,2,3,7,8,9-HxCDF	ND(0.00000015)	ND(0.000000086) X	NA	ND(0.00000081)
2,3,4,6,7,8-HxCDF	ND(0.00000026) X	ND(0.000000086) X	NA	0.0000033 J
HxCDFs (total)	ND(0.0000018) X	ND(0.00000018) X	NA	0.000025
1,2,3,4,6,7,8-HpCDF	ND(0.0000016) X	ND(0.00000023) X	NA	0.000015
1,2,3,4,7,8,9-HpCDF	ND(0.00000013) X	ND(0.000000074)	NA	ND(0.0000011)
HpCDFs (total)	ND(0.0000016) X	ND(0.00000023) X	NA	0.000022
OCDF	ND(0.0000030)	ND(0.00000042)	NA	0.000011 J
Dioxins				
2,3,7,8-TCDD	ND(0.00000011)	ND(0.000000097) X	NA	ND(0.00000042)
TCDDs (total)	ND(0.00000011)	ND(0.000000097) X	NA	ND(0.00000042)
1,2,3,7,8-PeCDD	ND(0.00000021)	ND(0.00000017)	NA	ND(0.00000067)
PeCDDs (total)	ND(0.00000021) X	ND(0.00000017) X	NA	ND(0.00000067)
1,2,3,4,7,8-HxCDD	ND(0.00000016)	ND(0.00000011) X	NA	ND(0.00000056)
1,2,3,6,7,8-HxCDD	ND(0.00000019) X	ND(0.000000086)	NA	ND(0.00000053)
1,2,3,7,8,9-HxCDD	ND(0.00000025) X	ND(0.00000011) X	NA	ND(0.00000047)
HxCDDs (total)	ND(0.00000059) X	ND(0.00000011) X	NA	ND(0.0000016)
1,2,3,4,6,7,8-HpCDD	ND(0.0000024) X	ND(0.00000033) X	NA	0.000010
HpCDDs (total)	ND(0.0000024) X	ND(0.00000033) X	NA	0.000020
OCDD	ND(0.000021)	ND(0.0000043) X	NA	0.00014
Total TEQs (WHO TEFs)	0.00000055	0.00000023	NA	0.0000040
Inorganics				
Antimony	ND(6.70)	ND(6.90)	NA	ND(7.30) J
Arsenic	5.20	3.50	NA	6.80
Barium	24.4	23.8	NA	61.3
Beryllium	0.620	0.530 B	NA	0.650
Cadmium	0.390 B	0.390 B	NA	0.530 B
Chromium	8.20	7.90	NA	13.2
Cobalt	6.80	7.70	NA	8.50
Copper	9.10	11.0	NA	17.2
Cyanide	ND(0.560)	ND(0.570)	NA	0.260 B
Lead	9.90	6.70	NA	43.9
Mercury	0.0510	0.0420	NA	ND(0.110)
Nickel	10.8	12.8	NA	15.6
Selenium	ND(0.560)	ND(0.570)	NA	0.480 B
Silver	ND(1.10)	ND(1.10)	NA	ND(1.20)
Thallium	ND(1.10)	ND(1.10)	NA	1.50
Tin	ND(5.80)	ND(5.20)	NA	ND(6.90)
Vanadium	11.2	9.10	NA	18.0
Zinc	37.9	39.7	NA	81.1

TABLE 2
PRE-DESIGN INVESTIGATION SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected by Blasland Bouck & Lee, Inc., and were submitted to Severn Trent Laboratories, Inc. for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan, General Electric Company, Pittsfield, Massachusetts, Blasland Bouck & Lee, Inc. (approved November 4, 2002 and resubmitted December 10, 2002).
3. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. NA - Not Analyzed.
6. Field duplicate sample results are presented in brackets.
7. 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.

Data Qualifiers:

Organics (volatiles, semivolatiles, dioxin/furans)

D - Compound quantitated using a secondary dilution.
J - Indicates that the associated numerical value is an estimated concentration.
Q - Indicates the presence of quantitative interferences.
X - Estimated maximum possible concentration.
Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.

Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
J - Indicates that the associated numerical value is an estimated concentration.

PRELIMINARY ANALYTICAL DATA
SUBJECT TO VERIFICATION

TABLE 3
HISTORICAL SOIL SAMPLING DATA FOR PCBs

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth(Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
FP-1	FP-1	4-8	10/5/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
		8-12	10/5/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
		12-16	10/5/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
FP-2	FP-2	4-8	10/5/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
FP-3	FP-3	4-8	10/5/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.33	0.050	0.38
FP-4	FP-4	4-8	10/5/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
K-1	ROO1B0002	0-2	1/31/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.15	0.15
	ROO1B0204	2-4	1/31/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	ROO1B0406	4-6	1/31/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	ROO1B0608	6-8	1/31/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	ROO1B0810	8-10	1/31/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	ROO1B1012	10-12	1/31/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	ROO1B1214	12-14	1/31/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	ROO1B1416	14-16	1/31/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
K-2	ROO2B0002	0-2	1/31/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.070	0.070
	ROO2B0204	2-4	1/31/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	ROO2B0406	4-6	1/31/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	ROO2B0608	6-8	1/31/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	ROO2B0810	8-10	1/31/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
SA-1	SA-1	4-8	10/5/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
		8-12	10/5/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.050	0.050
SA-2	SA-2	4-8	10/5/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.080	0.050	0.13
		8-12	10/5/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
SBS-15	K10-10-33-SBS-15	0-0.5	4/28/1998	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.22	0.47	0.69
SBS-16	K10-10-33-SBS-16	0-0.5	4/28/1998	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	0.22	0.22
SBS-17	K10-10-33-SBS-17	0-0.5	4/28/1998	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	ND(0.057)	0.41	0.79	1.2
SBS-18	K10-10-33-SBS-18	0-0.5	4/28/1998	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	ND(0.051)	0.26	0.62	0.88
YB-1	YB-1	4-8	10/6/1989	ND(0.18)	NA	ND(0.18)	ND(0.18)	ND(0.18)	0.25	0.18	0.43
YB-2	YB-2	4-8	10/6/1989	ND(0.17)	NA	ND(0.17)	ND(0.17)	ND(0.17)	0.63	0.17	0.80
YB-3	YB-3	4-8	10/6/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
YB-4	YB-4	4-8	10/6/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
YB-5	YB-5	4-8	10/6/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.080	0.080

Notes:
1. Samples were collected and analyzed by General Electric Company subcontractors for PCBs.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. NA - Not Analyzed.

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID: / Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	FP-1 FP-1 8-12 10/05/89	FP-2 FP-2 4-8 10/05/89	FP-3 FP-3 4-8 10/05/89	J-2S ROJ2S 0-0.3 12/10/91	J-3S ROJ3S 0-0.3 12/10/91	J-4S ROJ4S 0-0.3 12/10/91	K-1 ROO1B1416 14-16 01/31/91	K-2 ROO2B0810 8-10 01/31/91
Volatile Organics								
1,1,1-Trichloroethane	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0070)	ND(0.0060)	ND(0.0060)
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NA	NA	0.0030 J	0.0020 J	0.0030 J	ND(0.012)	ND(0.012)
Acetone	NA	NA	NA	0.039	0.028	0.059	0.022 B	0.032 B
Methylene Chloride	0.0060	0.0060	0.0050 J	0.074 B	0.055 B	0.087	0.033 B	0.038 B
Toluene	0.0040 J	0.0030 J	0.0030 J	ND(0.0060)	ND(0.0050)	ND(0.0070)	ND(0.0060)	ND(0.0060)
Trichloroethene	0.0010 J	ND(0.0050)	ND(0.0050)	ND(0.0060)	ND(0.0050)	ND(0.0070)	ND(0.0060)	ND(0.0060)
Semivolatile Organics								
Acenaphthene	ND(2.0)	ND(1.9)	1.3 J	0.052 J	0.063 J	ND(1.2)	ND(0.39)	ND(0.40)
Acenaphthylene	ND(2.0)	ND(1.9)	0.43 J	NR	ND(0.36)	0.25 J	ND(0.39)	ND(0.40)
Anthracene	ND(2.0)	ND(1.9)	3.6	0.14 J	0.10 J	0.18 J	ND(0.39)	ND(0.40)
Benzo(a)anthracene	ND(2.0)	0.26 J	8.1	0.57	0.63	1.5	ND(0.39)	0.045 J
Benzo(a)pyrene	ND(2.0)	0.20 J	5.6	0.45	0.60	1.5	ND(0.39)	0.042 J
Benzo(b)fluoranthene	ND(2.0)	ND(1.9)	5.0	0.58 Z	0.65 Z	3.2 Z	ND(0.39)	0.086 JZ
Benzo(g,h,i)perylene	ND(2.0)	ND(1.9)	3.5	0.28 J	0.35 J	ND(1.2)	ND(0.39)	ND(0.40)
Benzo(k)fluoranthene	ND(2.0)	ND(1.9)	4.2	0.58 Z	0.65 Z	3.2 Z	ND(0.39)	0.086 JZ
bis(2-Ethylhexyl)phthalate	ND(2.0)	ND(1.9)	ND(2.0)	ND(0.38)	0.053 J	0.42 J	ND(0.39)	0.067 J
Chrysene	ND(2.0)	0.23 J	5.8	0.70	0.64	2.2	ND(0.39)	0.059 J
Dibenzo(a,h)anthracene	ND(2.0)	ND(1.9)	0.73 J	0.097 J	0.88 J	ND(1.2)	ND(0.39)	ND(0.40)
Di-n-Butylphthalate	ND(2.0)	ND(1.9)	ND(2.0)	ND(0.38)	ND(0.36)	0.15 J	ND(0.39)	0.053 J
Fluoranthene	0.35 J	0.55 J	15	1.0	1.2	2.8	ND(0.39)	0.080 J
Fluorene	ND(2.0)	ND(1.9)	1.5 J	0.058 J	0.049 J	0.14 J	ND(0.39)	ND(0.40)
Indeno(1,2,3-cd)pyrene	ND(2.0)	ND(1.9)	3.0	0.32 J	0.29 J	ND(1.2)	ND(0.39)	ND(0.40)
Naphthalene	ND(2.0)	ND(1.9)	1.2 J	NR	ND(0.36)	0.15 J	ND(0.39)	ND(0.40)
N-Nitrosodiphenylamine	ND(2.0)	ND(1.9)	0.25 J	ND(0.38)	ND(0.36)	ND(1.2)	ND(0.39)	ND(0.40)
Phenanthrene	0.48 J	0.48 J	17	0.77	0.63	1.7	ND(0.39)	0.053 J
Pyrene	0.27 J	0.42 J	13	0.81	1.0	2.4	ND(0.39)	0.097 J
Furans								
2,3,7,8-TCDF	NA	NA	NA	NA	NA	NA	ND(0.00024)	ND(0.000032)
TCDFs (total)	NA	NA	NA	NA	NA	NA	ND(0.000040)	ND(0.000067)
1,2,3,7,8-PeCDF	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,7,8-PeCDF	NA	NA	NA	NA	NA	NA	NA	NA
PeCDFs (total)	NA	NA	NA	NA	NA	NA	ND(0.000049)	ND(0.000043)
1,2,3,4,7,8-HxCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDF	NA	NA	NA	NA	NA	NA	NA	NA
2,3,4,6,7,8-HxCDF	NA	NA	NA	NA	NA	NA	NA	NA
HxCDFs (total)	NA	NA	NA	NA	NA	NA	ND(0.000077)	ND(0.000079)
1,2,3,4,6,7,8-HpCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-HpCDF	NA	NA	NA	NA	NA	NA	NA	NA
HpCDFs (total)	NA	NA	NA	NA	NA	NA	ND(0.00011)	ND(0.00010)
OCDF	NA	NA	NA	NA	NA	NA	ND(0.00018)	ND(0.00018)
Dioxins								
2,3,7,8-TCDD	NA	NA	NA	NA	NA	NA	ND(0.000048)	ND(0.000071)
TCDDs (total)	NA	NA	NA	NA	NA	NA	ND(0.000048)	ND(0.000071)
1,2,3,7,8-PeCDD	NA	NA	NA	NA	NA	NA	NA	NA
PeCDDs (total)	NA	NA	NA	NA	NA	NA	ND(0.000072)	ND(0.000070)
1,2,3,4,7,8-HxCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,6,7,8-HxCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-HxCDD	NA	NA	NA	NA	NA	NA	NA	NA
HxCDDs (total)	NA	NA	NA	NA	NA	NA	ND(0.00011)	ND(0.00011)
1,2,3,4,6,7,8-HpCDD	NA	NA	NA	NA	NA	NA	NA	NA
HpCDDs (total)	NA	NA	NA	NA	NA	NA	ND(0.00012)	ND(0.00013)
OCDD	NA	NA	NA	NA	NA	NA	ND(0.00024)	ND(0.00022)
Total TEQs (WHO TEFs)	NA	NA	NA	NA	NA	NA	NC	NC

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Location ID:	FP-1	FP-2	FP-3	J-2S	J-3S	J-4S	K-1	K-2
Sample ID:	FP-1	FP-2	FP-3	ROJ2S	ROJ3S	ROJ4S	ROO1B1416	ROO2B0810
Sample Depth(Feet):	8-12	4-8	4-8	0-0.3	0-0.3	0-0.3	14-16	8-10
Date Collected:	10/05/89	10/05/89	10/05/89	12/10/91	12/10/91	12/10/91	01/31/91	01/31/91
Inorganics								
Aluminum	NA	NA	NA	5670 *	5500 *	10100 *	4200	2900
Antimony	NA	NA	NA	10.5 BN	ND(7.70) N	11.1 BN	ND(1.20)	ND(1.20)
Arsenic	NA	NA	NA	21.9	5.50	9.50	2.00	ND(1.20)
Barium	NA	NA	NA	41.5 B	28.0 B	66.8	ND(24.0)	ND(24.0)
Beryllium	NA	NA	NA	ND(0.240)	ND(0.210)	0.300 B	ND(0.590)	ND(0.600)
Calcium	NA	NA	NA	9570 E	8240 E	18100 E	17000	ND(600)
Chromium	NA	NA	NA	41.0	7.70	17.8	3.20	4.20
Cobalt	NA	NA	NA	9.40 B	5.60 B	14.8 B	ND(5.90)	ND(6.00)
Copper	NA	NA	NA	95.6 N	12.0 N	58.8 N	11.0	ND(3.00)
Cyanide	NA	NA	NA	120	ND(0.550)	ND(0.750)	ND(0.590)	ND(0.600)
Iron	NA	NA	NA	68700 *	14400 *	44200 *	12000	7400
Lead	NA	NA	NA	121 *	13.5 *	195 *	ND(12.0)	ND(12.0)
Magnesium	NA	NA	NA	7150	4590	11500	9800	1300
Manganese	NA	NA	NA	854 N*	214 N*	987 N*	300	56.0
Mercury	NA	NA	NA	0.600	ND(0.110)	0.210	ND(0.120)	ND(0.120)
Nickel	NA	NA	NA	43.8	9.90	27.9	9.30	ND(4.80)
Potassium	NA	NA	NA	393 B	969 B	1120 B	ND(590)	ND(600)
Sodium	NA	NA	NA	120 B	166 B	174 B	ND(590)	ND(600)
Sulfide	NA	NA	NA	65.0	ND(11.0)	ND(14.9)	NA	NA
Vanadium	NA	NA	NA	14.1	11.6	27.3	5.90	ND(6.00)
Zinc	NA	NA	NA	164	33.0	266	38.0	19.0

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID: / Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	OX-J-SS1 / OX-J-SS1 / 0-0.3 / 09/16/94	OX-J-SS2 / OX-J-SS2 / 0-0.3 / 09/16/94	OX-J-SS3 / OX-J-SS3 / 0-0.3 / 09/16/94	OX-J-SS4 / OX-J-SS4 / 0-0.3 / 09/16/94	OX-J-SS5 / OX-J-SS5 / 0-0.3 / 09/16/94
Volatile Organics					
1,1,1-Trichloroethane	NA	NA	NA	NA	NA
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA
Acetone	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA	NA
Semivolatile Organics					
Acenaphthene	NA	NA	NA	NA	NA
Acenaphthylene	NA	NA	NA	NA	NA
Anthracene	NA	NA	NA	NA	NA
Benzo(a)anthracene	NA	NA	NA	NA	NA
Benzo(a)pyrene	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	NA	NA	NA	NA	NA
Chrysene	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	NA	NA	NA	NA	NA
Di-n-Butylphthalate	NA	NA	NA	NA	NA
Fluoranthene	NA	NA	NA	NA	NA
Fluorene	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA
Naphthalene	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	NA	NA	NA	NA	NA
Phenanthrene	NA	NA	NA	NA	NA
Pyrene	NA	NA	NA	NA	NA
Furans					
2,3,7,8-TCDF	0.0000068	0.000016	0.000037	0.000035	0.0000057 [0.0000055]
TCDFs (total)	0.000059 I	0.00016 I	0.00032 I	0.00032 I	0.000065 I [0.000045 I]
1,2,3,7,8-PeCDF	0.0000023 J	0.0000059	0.0000099	0.000018	0.0000020 J [0.0000018 J]
2,3,4,7,8-PeCDF	0.0000098	0.000016	0.0000076	0.000039	0.0000067 [0.0000065]
PeCDFs (total)	0.00013 I	0.00026 I	0.00046 I	0.00045 I	0.000097 I [0.000086 I]
1,2,3,4,7,8-HxCDF	0.0000046	0.000015	0.000018	0.000036	0.0000043 [0.0000032]
1,2,3,6,7,8-HxCDF	0.0000066	0.000026 I	0.000030 I	0.000032 I	0.0000060 I [0.0000051 I]
1,2,3,7,8,9-HxCDF	0.0000011 J	0.0000029	0.0000036	0.0000062	0.00000099 J [0.00000081 J]
2,3,4,6,7,8-HxCDF	0.0000094	0.000016	0.000035	0.000031	0.0000072 I [0.0000058 I]
HxCDFs (total)	0.00013 I	0.00035 I	0.00052 I	0.00050 I	0.000092 I [0.000080 I]
1,2,3,4,6,7,8-HpCDF	0.000026 I	0.00016 I	0.00011 I	0.00015 I	0.000024 I [0.000019 I]
1,2,3,4,7,8,9-HpCDF	0.0000021 J	0.0000060	0.0000064	0.000013	0.0000021 J [0.0000014 J]
HpCDFs (total)	0.000061 I	0.00030 I	0.00023 I	0.00042 I	0.000052 I [0.000043 I]
OCDF	0.000033	0.00010	0.000089	0.00029	0.000026 [0.000022]
Dioxins					
2,3,7,8-TCDD	ND(0.00000046)	ND(0.00000046)	ND(0.00000032)	0.00000055	ND(0.00000036) [ND(0.00000028)]
TCDDs (total)	0.00000082	0.0000035	0.0000046	0.0000099	0.00000069 [0.0000011]
1,2,3,7,8-PeCDD	ND(0.00000083) Q	ND(0.0000021) Q	ND(0.0000020) Q	ND(0.0000030) X	ND(0.00000049) [ND(0.00000045)]
PeCDDs (total)	ND(0.0000012) Q	0.000014	0.0000084	0.000011	ND(0.0000010) [ND(0.00000091)]
1,2,3,4,7,8-HxCDD	0.0000011 J	0.0000019 J	0.0000020 J	0.0000043	0.00000068 J [0.00000057 J]
1,2,3,6,7,8-HxCDD	0.0000029	0.0000052	0.0000074	0.000023	0.0000019 J [0.0000018 J]
1,2,3,7,8,9-HxCDD	0.0000019 J	0.0000031	0.0000038	0.0000068	0.0000011 J [0.00000090 J]
HxCDDs (total)	0.000024	0.000047	0.000057	0.00013	0.000015 [0.000013]
1,2,3,4,6,7,8-HpCDD	0.000050	0.000091	0.00011	0.00068	0.000034 [0.000031]
HpCDDs (total)	0.00010	0.00017	0.00025	0.0021	0.000074 [0.000067]
OCDD	0.00039	0.00086	0.00084	0.0065	0.00026 [0.00024]
Total TEQs (WHO TEFs)	0.0000099	0.000021	0.000021	0.000049	0.0000073 [0.0000066]

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Location ID:	OX-J-SS1	OX-J-SS2	OX-J-SS3	OX-J-SS4	OX-J-SS5
Sample ID:	OX-J-SS1	OX-J-SS2	OX-J-SS3	OX-J-SS4	OX-J-SS5
Sample Depth(Feet):	0-0.3	0-0.3	0-0.3	0-0.3	0-0.3
Date Collected:	09/16/94	09/16/94	09/16/94	09/16/94	09/16/94
Inorganics					
Aluminum	NA	NA	NA	NA	NA
Antimony	NA	NA	NA	NA	NA
Arsenic	NA	NA	NA	NA	NA
Barium	NA	NA	NA	NA	NA
Beryllium	NA	NA	NA	NA	NA
Calcium	NA	NA	NA	NA	NA
Chromium	NA	NA	NA	NA	NA
Cobalt	NA	NA	NA	NA	NA
Copper	NA	NA	NA	NA	NA
Cyanide	ND(0.600)	ND(0.590)	ND(0.620)	ND(0.630)	ND(0.580) [ND(0.580)]
Iron	NA	NA	NA	NA	NA
Lead	NA	NA	NA	NA	NA
Magnesium	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA
Mercury	NA	NA	NA	NA	NA
Nickel	NA	NA	NA	NA	NA
Potassium	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA
Sulfide	NA	NA	NA	NA	NA
Vanadium	NA	NA	NA	NA	NA
Zinc	NA	NA	NA	NA	NA

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Location ID:	OX-J-SS6	YB-2
Sample ID:	OX-J-SS6	YB-2
Sample Depth(Feet):	0-0.3	4-8
Date Collected:	09/16/94	10/06/89
Volatile Organics		
1,1,1-Trichloroethane	NA	0.0040 J
1,1,2-trichloro-1,2,2-trifluoroethane	NA	NA
Acetone	NA	NA
Methylene Chloride	NA	0.0030 J
Toluene	NA	0.0010 J
Trichloroethene	NA	ND(0.0050)
Semivolatile Organics		
Acenaphthene	NA	ND(2.0)
Acenaphthylene	NA	0.27 J
Anthracene	NA	ND(2.0)
Benzo(a)anthracene	NA	0.30 J
Benzo(a)pyrene	NA	0.37 J
Benzo(b)fluoranthene	NA	0.38 J
Benzo(g,h,i)perylene	NA	ND(2.0)
Benzo(k)fluoranthene	NA	0.46 J
bis(2-Ethylhexyl)phthalate	NA	ND(2.0)
Chrysene	NA	0.31 J
Dibenzo(a,h)anthracene	NA	ND(2.0)
Di-n-Butylphthalate	NA	ND(2.0)
Fluoranthene	NA	0.47 J
Fluorene	NA	ND(2.0)
Indeno(1,2,3-cd)pyrene	NA	ND(2.0)
Naphthalene	NA	ND(2.0)
N-Nitrosodiphenylamine	NA	ND(2.0)
Phenanthrene	NA	0.29 J
Pyrene	NA	0.70 J
Furans		
2,3,7,8-TCDF	0.000013	NA
TCDFs (total)	0.00011 I	NA
1,2,3,7,8-PeCDF	0.0000035	NA
2,3,4,7,8-PeCDF	0.0000069	NA
PeCDFs (total)	0.000094 I	NA
1,2,3,4,7,8-HxCDF	0.0000048	NA
1,2,3,6,7,8-HxCDF	0.0000065 I	NA
1,2,3,7,8,9-HxCDF	0.0000011 J	NA
2,3,4,6,7,8-HxCDF	0.0000077 I	NA
HxCDFs (total)	0.000092 I	NA
1,2,3,4,6,7,8-HpCDF	0.000022 I	NA
1,2,3,4,7,8,9-HpCDF	0.0000019 J	NA
HpCDFs (total)	0.000046 I	NA
OCDF	0.000022	NA
Dioxins		
2,3,7,8-TCDD	ND(0.00000047)	NA
TCDDs (total)	0.0000038	NA
1,2,3,7,8-PeCDD	ND(0.00000071)	NA
PeCDDs (total)	ND(0.0000019)	NA
1,2,3,4,7,8-HxCDD	0.00000078 J	NA
1,2,3,6,7,8-HxCDD	0.0000022 J	NA
1,2,3,7,8,9-HxCDD	0.0000014 J	NA
HxCDDs (total)	0.000020	NA
1,2,3,4,6,7,8-HpCDD	0.000037	NA
HpCDDs (total)	0.00010	NA
OCDD	0.00027	NA
Total TEQs (WHO TEFs)	0.0000086	NA

TABLE 4
HISTORICAL SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY- PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter / Location ID:	OX-J-SS6	YB-2
Sample ID:	OX-J-SS6	YB-2
Sample Depth(Feet):	0-0.3	4-8
Date Collected:	09/16/94	10/06/89
Inorganics		
Aluminum	NA	NA
Antimony	NA	NA
Arsenic	NA	NA
Barium	NA	NA
Beryllium	NA	NA
Calcium	NA	NA
Chromium	NA	NA
Cobalt	NA	NA
Copper	NA	NA
Cyanide	ND(0.560)	NA
Iron	NA	NA
Lead	NA	NA
Magnesium	NA	NA
Manganese	NA	NA
Mercury	NA	NA
Nickel	NA	NA
Potassium	NA	NA
Sodium	NA	NA
Sulfide	NA	NA
Vanadium	NA	NA
Zinc	NA	NA

Notes:
1. Samples were collected and analyzed by General Electric Company subcontractors for Appendix IX + 3 constituents.
2. Field duplicate sample results are presented in brackets.
3. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.
4. NA - Not Analyzed.
5. NC - Not Calculated - Insufficient data to calculate TEQ.
6. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
7. NR - Not Reported. Data for this parameter group was entered from summary data tables and not the laboratory report form.
8. 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.

Data Qualifiers:

Organics (volatiles, semivolatiles, dioxin/furans)
B - Analyte was also detected in the associated method blank.
I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
J - Indicates that the associated numerical value is an estimated concentration.
Q - Indicates the presence of quantitative interferences.
X - Estimated Maximum Possible Concentration
Z - Co eluting isomers could not be chromatographically resolved in the sample.

Inorganics
B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).
N - Indicates sample matrix spike analysis was outside control limits.
E - Serial dilution results not within 10%. Applicable only if analyte concentration is at least 50X the IDL in original sample.
* - Indicates laboratory duplicate analysis was outside control limits.

TABLE 5
EPA SOIL SAMPLING DATA FOR PCBs

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Sample ID	Depth(Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA15-E1	OJ-BH000937-0-0060	6-10	3/10/2003	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)
RAA15-E15	OJ-BH000928-0-0060	6-10	2/26/2003	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)	0.10	0.13	0.23

Notes:
1. Sample collection and analysis performed by United States Environmental Protection Agency (EPA) Subcontractors. Results provided to GE under a Data Exchange Agreement between GE and EPA.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.

TABLE 6
EPA SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

PRE-DESIGN INVESTIGATION REPORT FOR THE FORMER OXBOW AREAS J AND K REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	RAA15-E1 / OJ-BH000937-0-0060 / 6-10 / 03/10/03	RAA15-E15 / OJ-BH000928-0-0060 / 6-10 / 02/26/03
Volatile Organics			
Acetone		0.0070	NA
Semivolatile Organics			
2-Methylnaphthalene		ND(0.38)	1.1 J
Acenaphthene		ND(0.38)	0.86 J
Acenaphthylene		ND(0.38)	0.27 J
Anthracene		ND(0.38)	2.2
Benzo(a)anthracene		ND(0.38)	3.7
Benzo(a)pyrene		ND(0.38)	2.4 J
Benzo(b)fluoranthene		ND(0.38)	2.3 J
Benzo(g,h,i)perylene		ND(0.38)	1.4 J
Benzo(k)fluoranthene		ND(0.38) J	4.0 J
Chrysene		ND(0.38)	3.6 J
Dibenzo(a,h)anthracene		ND(0.38)	0.74 J
Dibenzofuran		ND(0.38)	0.53 J
Fluoranthene		ND(0.38)	5.8
Fluorene		ND(0.38)	1.4 J
Indeno(1,2,3-cd)pyrene		ND(0.38)	1.4 J
Naphthalene		ND(0.38)	0.38 J
Phenanthrene		ND(0.38)	7.7 J
Pyrene		ND(0.38)	8.2
Herbicides			
None Detected		--	--
Inorganics			
Antimony		ND(0.300)	0.400
Arsenic		4.40	0.810 J
Barium		21.6	6.20
Beryllium		ND(0.200)	0.110
Chromium		7.20	4.40
Cobalt		7.50	3.10
Copper		12.3	3.10
Lead		4.30	5.50 J
Nickel		13.0 J	5.10
Selenium		0.970	ND(0.280) J
Vanadium		7.50	4.10
Zinc		49.5 J	21.9

Notes:

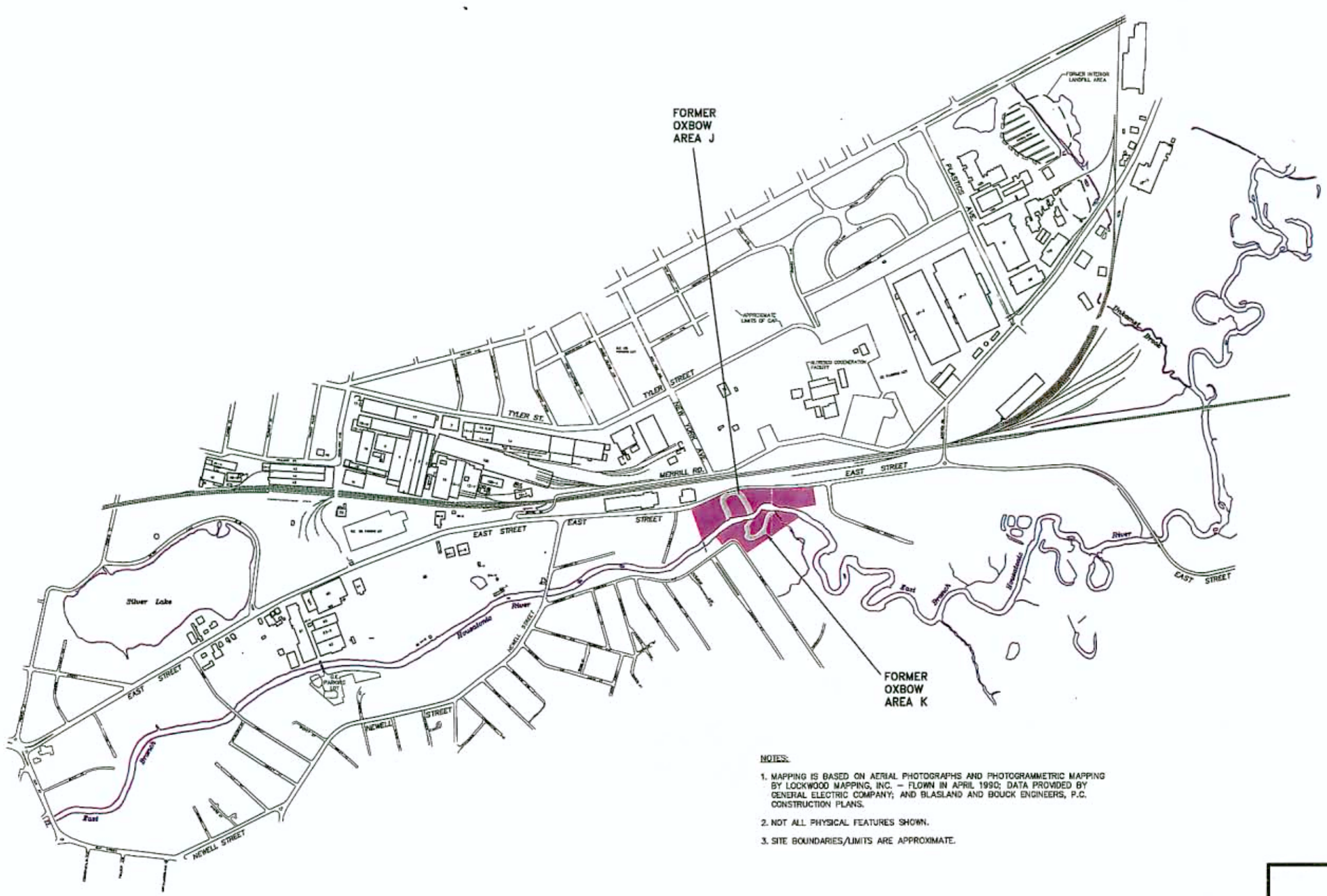
1. Sample collection and analysis performed by United States Environmental Protection Agency (EPA) Subcontractors. Results provided to GE under a Data Exchange Agreement between GE and EPA.
2. Only those constituents detected in one or more samples are summarized.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. NA - Not Analyzed.

Data Qualifiers:

J - Estimated Value.

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

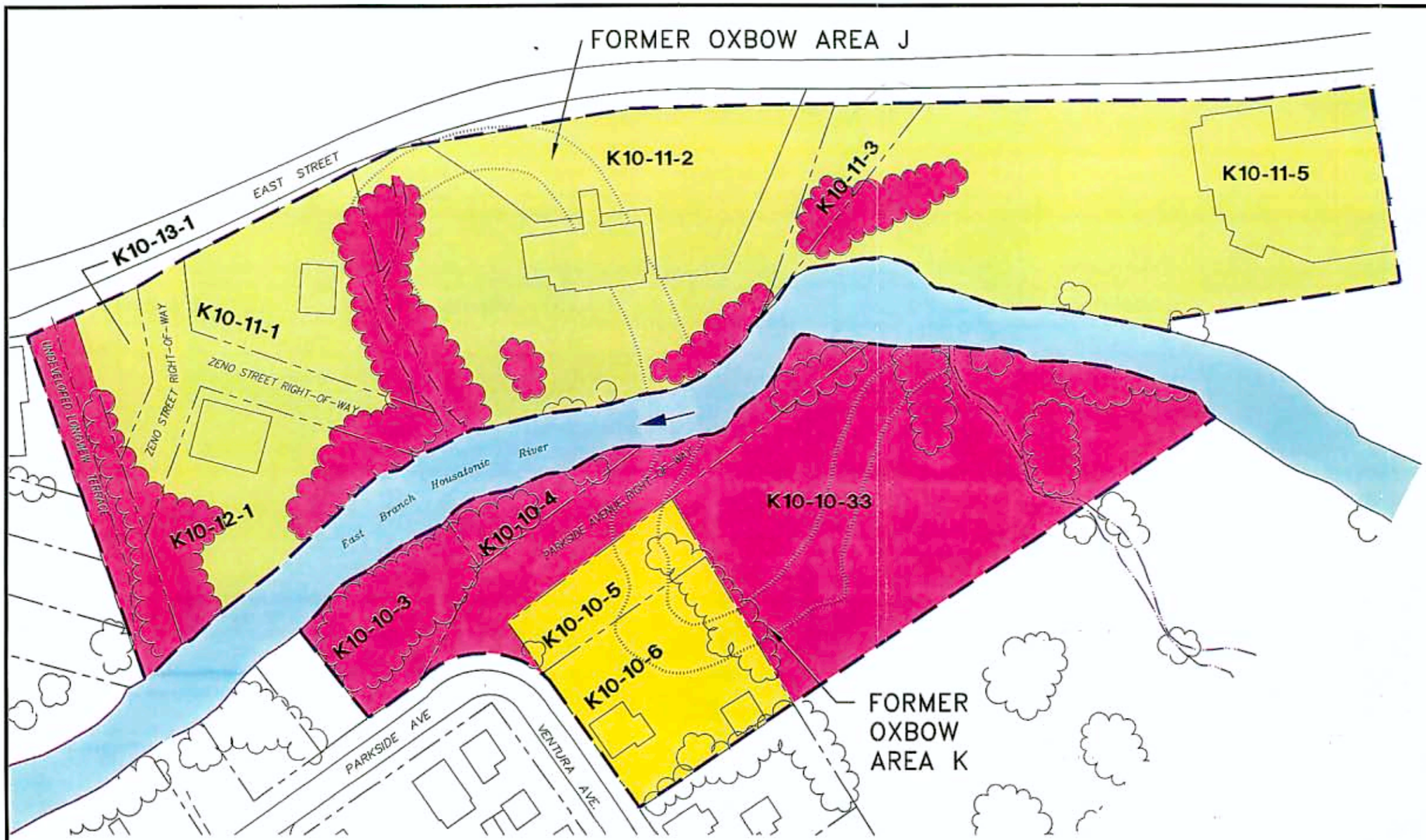
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FORMER OXBOW AREAS J AND K

SITE LOCATION

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

FIGURE 1

L: ON=*, OFF=REF*
P: PAGESET/PLT-BL (PLTHALF)
7/11/03 SYR-54-LAS DMW LAF
N/20425001/20425G22.DWG



LEGEND:

- EDGE OF WATER
- PAVED ROADWAY
- VEGETATION
- PROPERTY LINE
- K10-11-2 PROPERTY ID
- FORMER OXBOW/LOW-LYING AREA
- APPROXIMATE REMOVAL ACTION AREA BOUNDARY (EXCLUDING ACTUAL RIVERBANK AREAS)
- RECREATIONAL PROPERTY/AREA
- COMMERCIAL/INDUSTRIAL PROPERTY
- RESIDENTIAL PROPERTY
- STREAMS WITH INTERMITTENT FLOW

0 100' 200'

GRAPHIC SCALE

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM APRIL 1990 AERIAL PHOTOGRAPHS.
2. TAX ASSESSOR'S 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.

GENERAL ELECTRIC COMPANY
PITTSFIELD MASSACHUSETTS

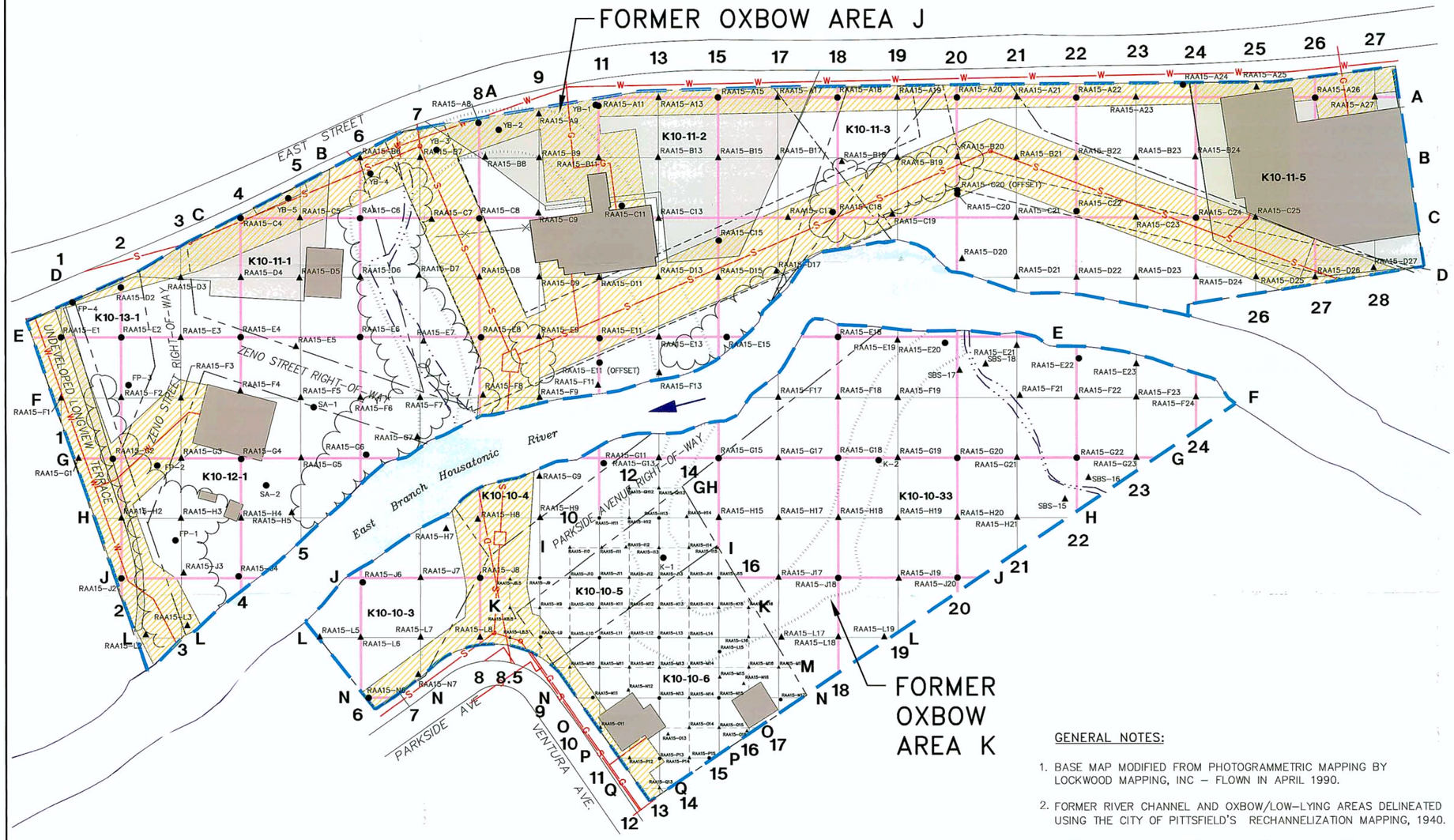
FORMER OXBOW AREAS J AND K

SITE PLAN

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

FIGURE 2

X: 20425X04.DWG
L: ON=*, OFF=REF
P: PAGESET/PLT-BL
7/11/03 SYR-54-LAF DMW LAF
N/20425001/20425G21.DWG



LEGEND

- APPROXIMATE REMOVAL ACTION AREA BOUNDARY
- PROPERTY LINE
- WESTERN MASS. ELECTRIC CO. EASEMENT
- SEWER EASEMENT
- K10-10-6 PROPERTY ID
- ▲FP-1 SURFACE SOIL SAMPLE LOCATION
- ●YB-3 SOIL BORING LOCATION
- BUILDING
- PAVED AREA
- FORMER OXBOW/LOW-LYING AREA
- S APPROXIMATE SEWER LOCATION
- D APPROXIMATE STORM DRAIN LOCATION
- W APPROXIMATE WATER MAIN LOCATION
- G APPROXIMATE GAS LINE 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.
4. (OFFSET) REFERS TO ADDITIONAL DRILLING LOCATION NEEDED BECAUSE OF EQUIPMENT REFUSAL AT INITIAL BORING.

0 100' 200'

GRAPHIC SCALE

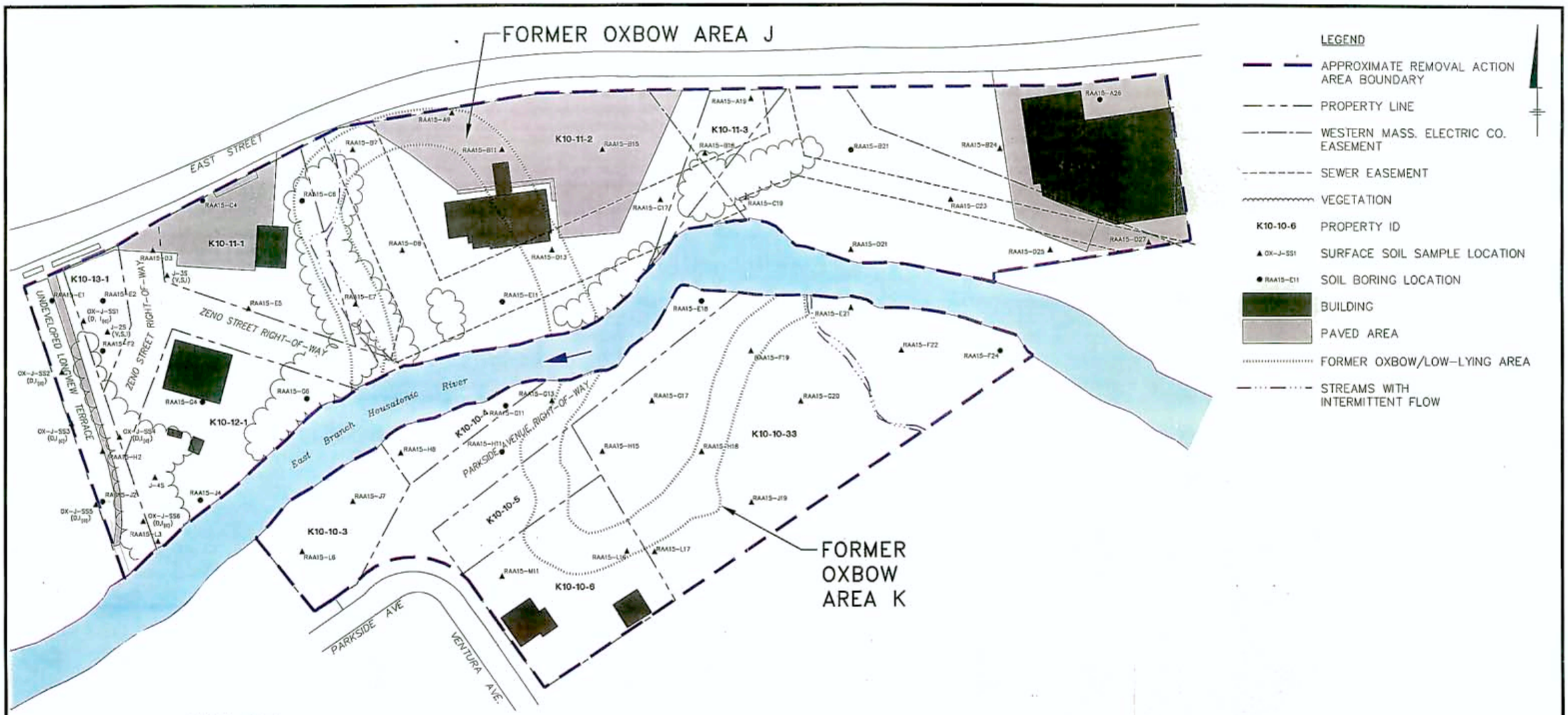
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FORMER OXBOW AREAS J AND K

EXISTING PCB SOIL SAMPLE LOCATIONS

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

FIGURE 3

X: 20425X05.DWG
L: ON=*, OFF=REF
P: PAGESET/PLT-DL
7/11/03 SYR-54-LAS DMW LAF
N/20425001/20425G20.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 ALL OF THE FOLLOWING PARAMETERS UNLESS ANALYZED ONLY FOR THE PARAMETERS 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 = INORGANICS

5. $I_{(n)}$ = SAMPLE WAS ANALYZED FOR CYANIDE ONLY

0 100' 200'
GRAPHIC SCALE

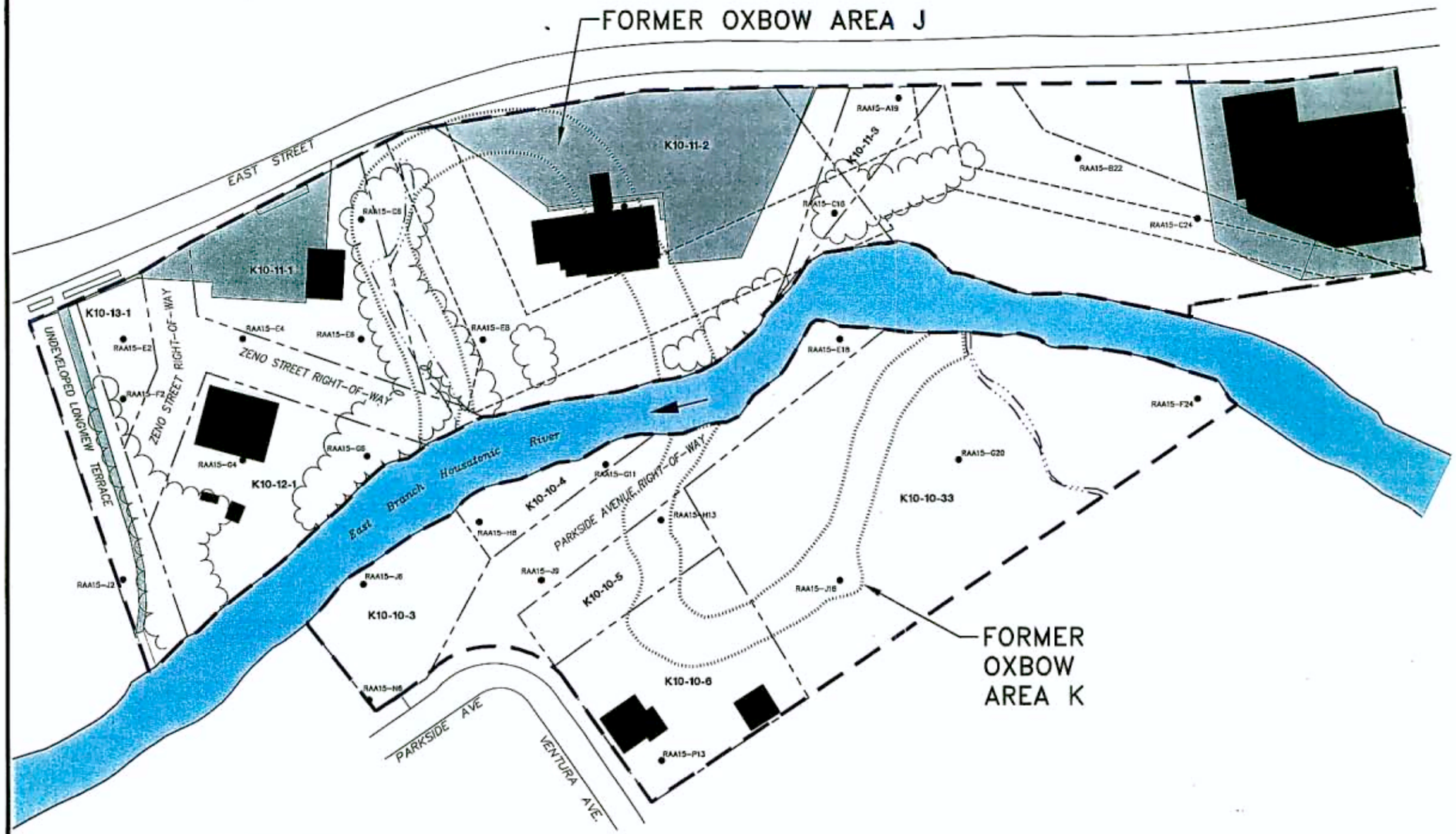
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FORMER OXBOW AREAS J AND K

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

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

FIGURE 4

X: 20425X05.DWG
L: ON=*, OFF=REF*
P: PAGESET/PLT-BL
7/11/03 SYR-S4-KMD DNW LAF
N/20425001/20425G23.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 ALL OF THE FOLLOWING PARAMETERS UNLESS ANALYZED ONLY FOR THE PARAMETERS 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 = INORGANICS

0 100' 200'
GRAPHIC SCALE

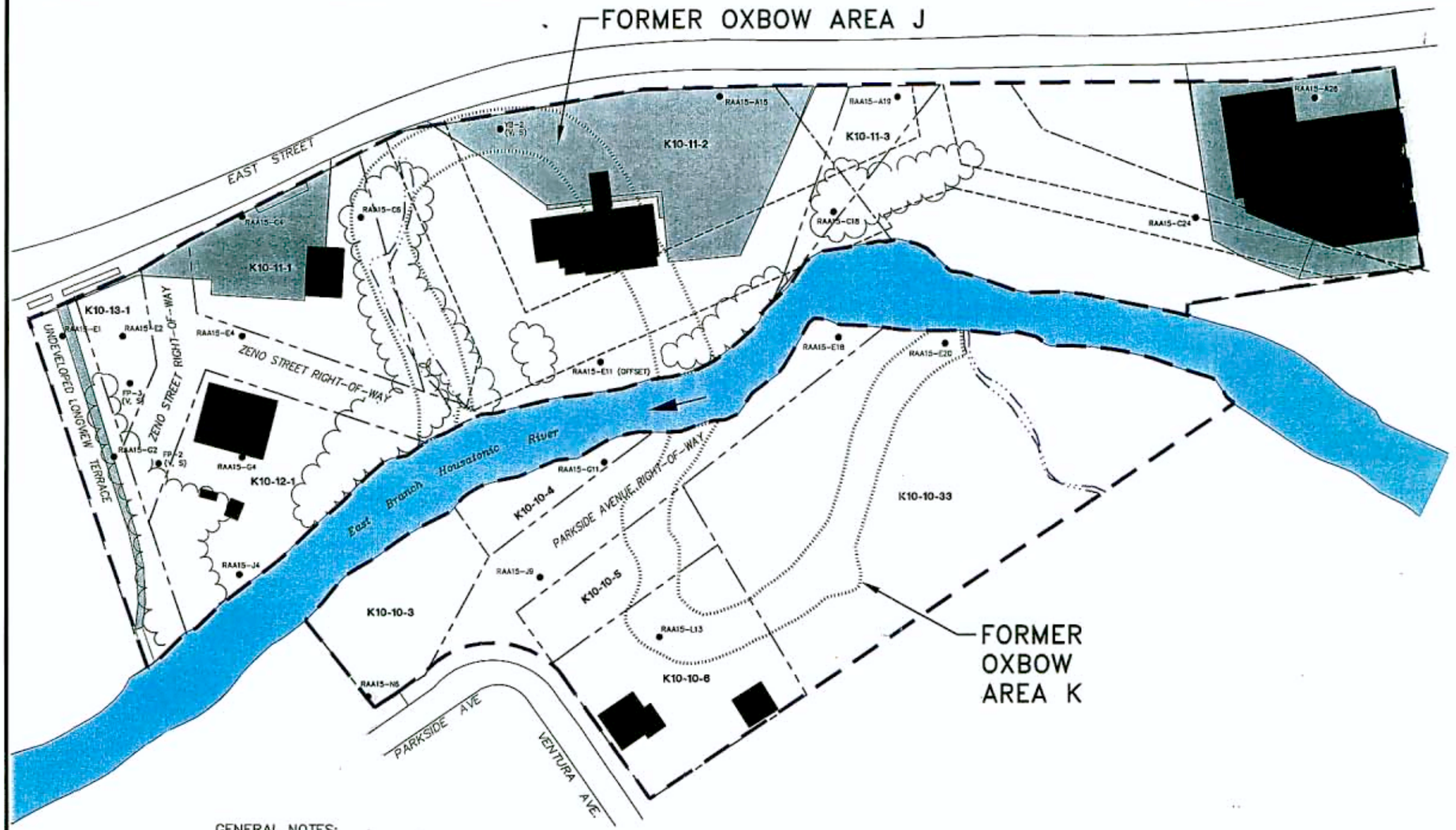
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FORMER OXBOW AREAS J AND K

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

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

FIGURE 5

X: 20425X05.DWG
L: ON=*; OFF=REF*
P: PAGESET/PLT-BL
7/11/03 SYR-54-LAS DMW LAF
N/20425001/20425G24.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 ALL OF THE FOLLOWING PARAMETERS UNLESS ANALYZED ONLY FOR THE PARAMETERS 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 = INORGANICS

5. (OFFSET) REFERS TO ADDITIONAL DRILLING LOCATION NEEDED BECAUSE OF EQUIPMENT REFUSAL AT INITIAL BORING.

0 100' 200'
GRAPHIC SCALE

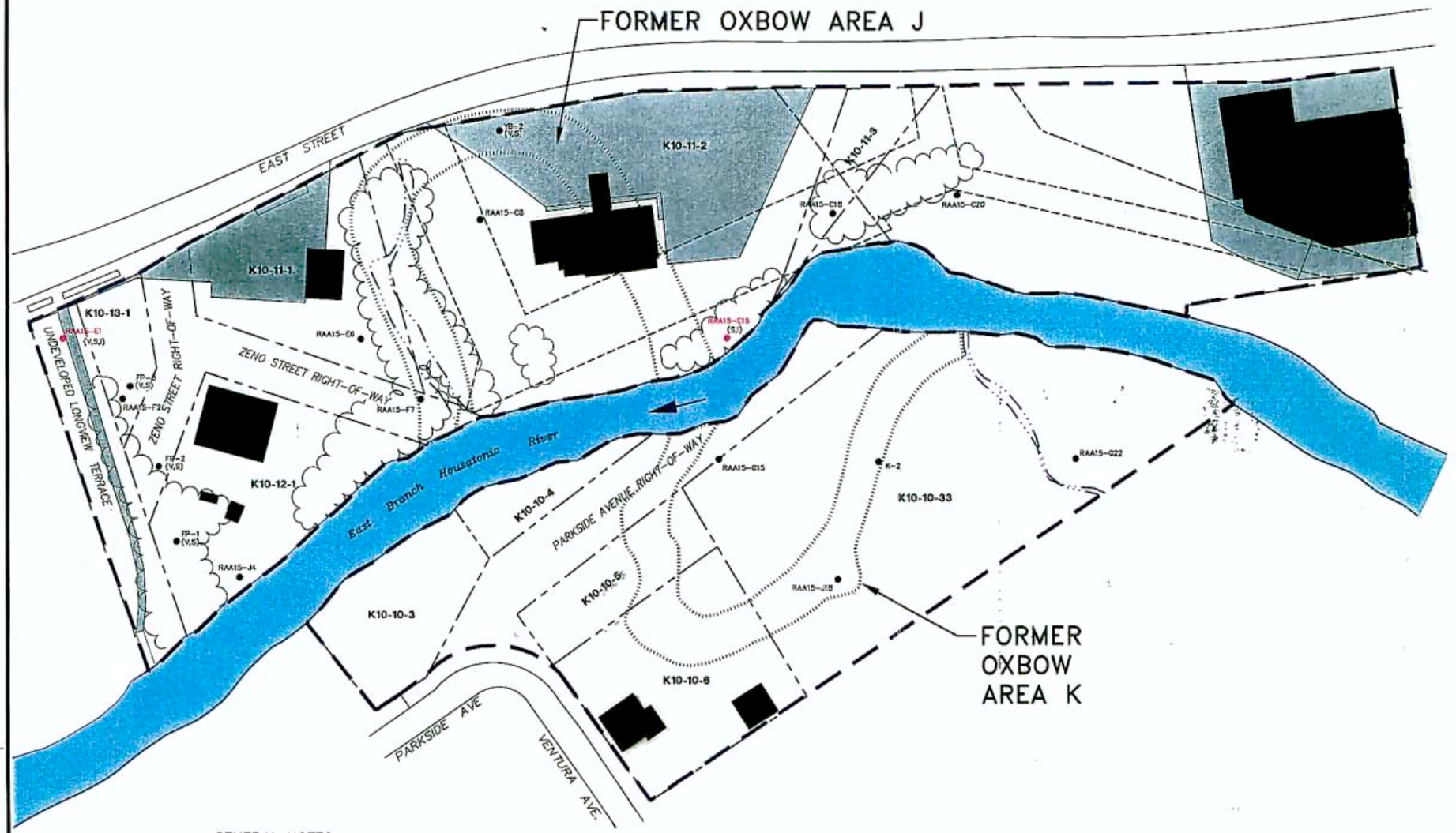
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FORMER OXBOW AREAS J AND K

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

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

FIGURE 6

X: 20425X05.DWG
L: ON=*, OFF=REF*
P: PAGESET/PLT-BL
7/11/03 SYR-54-LAS DMW LAF
N/20425001/2042525.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 ALL OF THE FOLLOWING PARAMETERS UNLESS ANALYZED ONLY FOR THE PARAMETERS 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 = INORGANICS

0 100' 200'
GRAPHIC SCALE

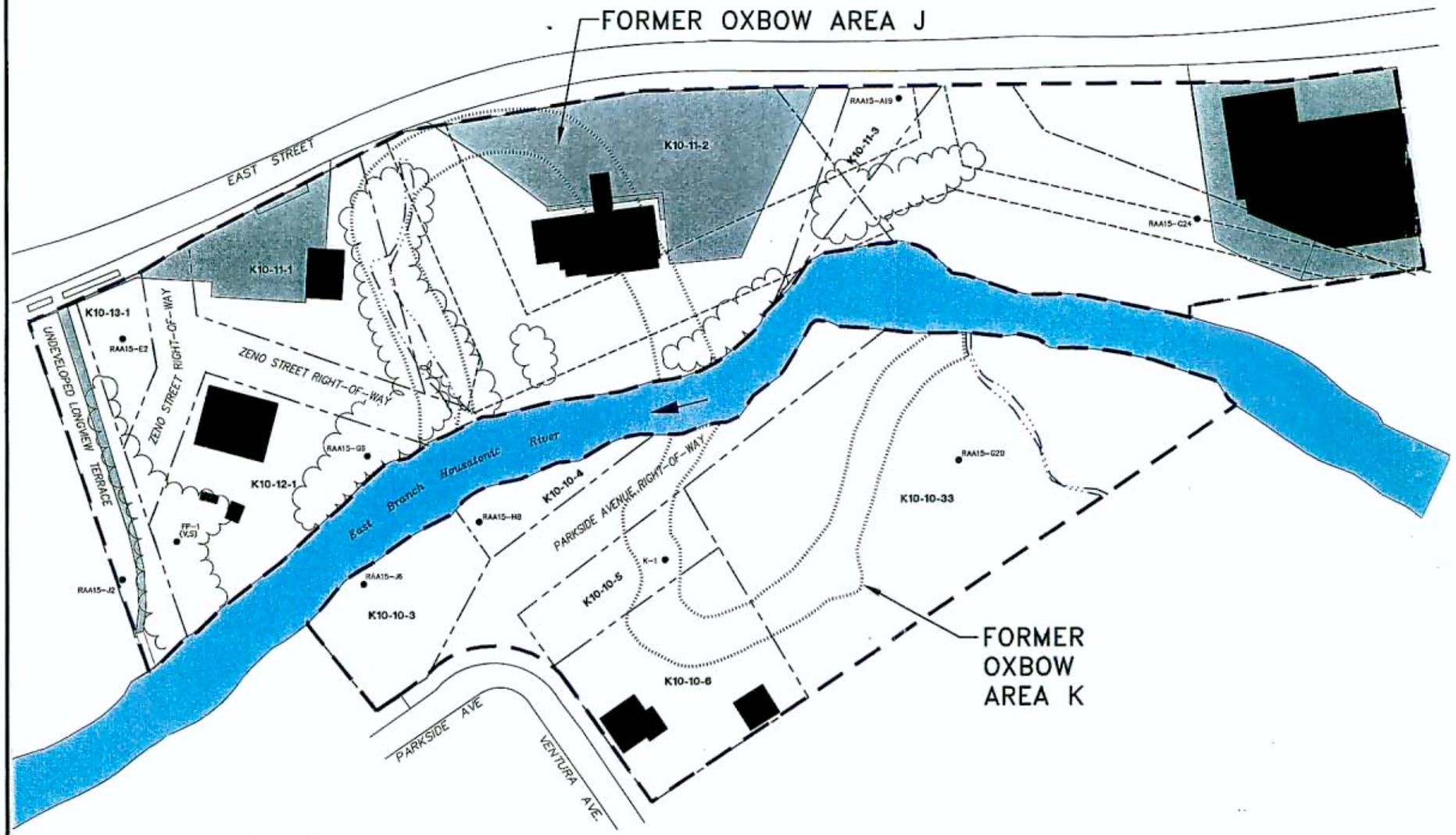
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
FORMER OXBOW AREAS J AND K

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

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

FIGURE 7

X: 20425X05.DWG
L: ON=*, OFF=REF*
P: PAGESET/PLT-BL
7/11/03 SYR-54-LJP DWW LAF
N/20425001/20425026.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 ALL OF THE FOLLOWING PARAMETERS UNLESS ANALYZED ONLY FOR THE PARAMETERS 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 = INORGANICS

0 100' 200'
GRAPHIC SCALE

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

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

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

FIGURE 8

X: 20423X05.DWG
L: ON=*, OFF=REF*
P: PAGESET/PLT-BL
7/11/03 SYR-54-LAS DMW LAF
N/20425001/20425G27.DWG