## REPORT

01-0362 SDMS 275749

# Pre-Design Investigation Report for Portion of East Street Area 2-South: Future City Recreational Area

## General Electric Company Pittsfield, Massachusetts

April 2001



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Curporate Environmental Programs Generics Besti – Scripany ISO Wossiewin Avenue, Pittsnets, MA 61261

April 13, 2001

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 East Street Area 2-South (GECD150) - Future City Recreational Area Pre-Design Investigation Report

Dear Mr. Olson:

Enclosed is GE's *Pre-Design Investigation Report for East Street Area 2-South: Future City Recreational Area.* This report presents the results of the pre-design soil investigations conducted at and near the Future City Recreational Area within East Street Area 2-South in accordance with the Consent Decree for the GE-Pittsfield/Housatonic River Site and Statement of Work for Removal Actions Outside the River.

As noted in this report, GE has identified a need for limited supplemental soil collection and analysis for semi-volatile organic compounds to address a potential data gap in the shallow subsurface in the northwestern corner of the Future City Recreational Area. To expedite the preparation of a final RD/RA Work Plan for this area, GE will immediately proceed with its plans to conduct this sampling. GE will notify EPA of its schedule for collecting these supplemental samples at least seven days in advance of the sampling date.

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

Sincerely, andrew T. Siller / MA for

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

Enclosure U:MEG01/2501199.doc

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# Pre-Design Investigation Report for Portion of East Street Area 2-South: Future City Recreational Area

General Electric Company Pittsfield, Massachusetts

April 2001



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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.

Separate from the CD, GE entered into a Definitive Economic Development Agreement (DEDA) with the City of Pittsfield and the Pittsfield Economic Development Authority (PEDA) effective upon entry of the CD. Among other things, this DEDA requires GE to construct an athletic field (and associated structures and landscaping) within an area of the GE Plant Area designated in the CD as the East Street Area 2-South RAA. The specific portion of the East Street Area 2-South RAA subject to the construction of an athletic field is referred to as the Future City Recreational Area and is shown on Figure 1. To accommodate this agreement between the City and GE, the CD and the SOW establish several specific Performance Standards for the Future City Recreational Area.

Based on the general timeframes established in the DEDA and CD, the construction of the Future City Recreational Area and any response actions in that area preceding construction will be conducted prior to the performance of response actions associated with the remainder of the East Street Area 2-South RAA under the CD and the SOW. Therefore, in November 2000, GE submitted a *Pre-Design Investigation Work Plan for Portion of East Street Area 2-South Removal Action – Future City Recreational Area* (Pre-Design Work Plan) proposing to conduct pre-design soil investigations for the Future City Recreational Area in advance of the investigations for the remainder of East Street Area 2-South. That Pre-Design Work Plan summarized the previously existing soil data from within and

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near this area and proposed additional soil sampling and analysis. The proposed soil sampling activities included sampling at grid-based locations within the Future City Recreational Area, as well as sampling at certain locations outside of and adjacent to that area so as to have such data available prior to designing the response actions for the Future City Recreational Area. (The latter data are to be considered, if relevant, in the design of the response actions for this area and will also be used in the later evaluations for the remainder of East Street Area 2-South.) The Pre-Design Work Plan was conditionally approved by EPA by letter dated January 16, 2001.

The field sampling activities associated with the pre-design investigation of this area were conducted between January 17 and February 1, 2001. These activities involved the collection of 67 soil samples from 23 locations within the Future City Recreational Area and 42 soil samples from 24 locations immediately adjacent to the Future City Recreational Area within East Street Area 2-South. The samples were submitted for analysis of PCBs and/or the other non-PCB constituents listed in Appendix IX of 40 CFR Part 264 (excluding pesticides and herbicides), plus three additional constituents -- benzidine, 2-chloroethylvinyl ether, and 1,2-diphenylhydrazine (Appendix IX+3). In combination with information available from prior sampling activities in this area, these results will be used to develop an RD/RA Work Plan for the Future City Recreational Area. (As discussed below, given the relatively straightforward nature of the anticipated response actions at this area, a Conceptual RD/RA Work Plan will not be necessary for these response actions.)

## 1.2 Contents of Pre-Design Report

Pursuant to the CD and SOW, this report summarizes the results of the pre-design investigation activities. It also 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 the Future City Recreational Area; and (2) whether additional information is needed prior to the preparation of the RD/RA Work Plan. In general, the results of the recent pre-design investigations, together with the information obtained from prior investigations, are sufficient to characterize the soils within the Future City Recreational Area and to support RD/RA activities. However, as discussed below, some limited additional sampling is warranted in one portion of that area.

The remainder of this section provides a brief description of the area that will be used as the Future City Recreational Area and the applicable Performance Standards related to that area. Section 2 describes the pre-design investigations recently conducted by GE, while Section 3 identifies several remaining pre-design activities and presents a proposed schedule for the submittal of the RD/RA Work Plan for the response actions at the Future City Recreational Area.

## 1.3 Description of Future City Recreational Area

The Future City Recreational Area is located in the northeast corner of the East Street Area 2-South RAA within the GE Plant Area (Figure 1). This approximately 4-acre area is bounded by East Street to the north, Newell Street to the east, and other parts of East Street Area 2-South to the west and south. This area is grass-covered, with no buildings or pavement (Figure 2). The Housatonic River is located approximately 400 feet south of the Future City Recreational Area, and the 100-year floodplain of the river meanders along the southern boundary of this area.

## 1.4 Summary of Applicable Performance Standards

The response actions for soils at the Future City Recreational Area must achieve the relevant Performance Standards included in the CD and the SOW for the GE Plant Area. The soil-related Performance Standards for the GE Plant Area are set forth in Paragraph 25 of the CD and Section 2.2.2 of the SOW. Those that are relevant to the Future City Recreational Area may be summarized as follows:

- In support of the construction of the Future City Recreational Area, GE shall install a one-foot-thick (minimum) soil cover in this area in accordance with the general requirements for such covers set forth in the SOW, and shall remove and replace soils in the next two feet below that one-foot cover as necessary to achieve a spatial average PCB concentration at or below 15 ppm in that two-foot depth.
- Response actions for depths greater than three feet within this area shall be determined as part of the response actions for the overall averaging area within East Street Area-2 South where the Future City Recreational Area is located, taking into account the anticipated performance of the above-described response actions for the top three feet. The pertinent Performance Standards for that overall averaging area include the following:
  - -- If the spatial average PCB concentration in the 1- to 6-foot depth increment exceeds 200 ppm, GE shall: (a) for areas within the 100-year floodplain of the Housatonic River, remove and replace soils to achieve the foregoing spatial average PCB concentration in that depth increment; and (b) for areas outside that 100-year floodplain, undertake a combination of removal and replacement of soils in unpaved areas and/or enhancement of existing pavement/concrete surfaces in paved areas as necessary to ensure the

removal or covering by enhanced pavement of the PCB concentrations causing the spatial average to exceed 200 ppm.

- If subsurface utilities are present and the spatial average PCB concentration in the corresponding utility corridor exceeds 200 ppm in the 1- to 6-foot depth increment, GE shall evaluate whether any additional response actions are necessary. In addition, if subgrade utilities are installed, repaired, or replaced in the future, GE shall ensure that the backfill material used has a spatial average PCB concentration at or below 25 ppm.
- If the spatial average PCB concentration in the 0- to 15-foot depth increment at the averaging area exceeds 100 ppm after incorporating the anticipated performance of the response actions described above, GE shall install an engineered barrier (as described in the SOW) over the areas causing such exceedence, and provide flood storage compensation as described in the SOW.
- GE shall evaluate the need for additional response actions to address Appendix IX+3 constituents other than
  PCBs using the protocols described in Section 2.2.2 and Attachment F of the SOW, after taking into account
  the anticipated response actions to address PCBs, and shall achieve the Performance Standards for such nonPCB constituents that are also set out in Section 2.2.2 and Attachment F of the SOW. For the Future City
  Recreational Area, the evaluation of non-PCB constituents, as well as the application of the Performance
  Standards for such constituents, will be made for the same depth increments that are to be used for PCBs.

## 2.1 General

The pre-design field investigations for the Future City Recreational Area were performed between January 17 and February 1, 2001. The field investigations were performed on behalf of GE by Blasland, Bouck & Lee (BBL), while analytical services were provided by CT&E Environmental Services, Inc. Roy F. Weston, Inc. (Weston) performed oversight activities on behalf of EPA. In total, the pre-design soil sampling effort conducted at the Future City Recreational Area and adjacent areas in accordance with the Pre-Design Work Plan involved the collection of 109 soil samples from 44 new and 3 existing locations. These sample locations are shown on Figure 2. Each sample location was surveyed to obtain coordinates consistent with GE's plant survey datum. A total of 106 samples were analyzed for PCBs, while 39 samples (approximately one-third of the number of PCB samples) were analyzed for Appendix IX+3 constituents (excluding pesticides and herbicides). Prior to the start of the pre-design field investigations, several coordination activities were conducted related to utility demarcation, sample location surveys, field work, and laboratory analyses. In addition, prior to the initiation of sampling activities, an on-site coordination meeting was held among representatives of GE, BBL, and Weston.

## 2.2 Summary of Sampling and Analysis Activities

With certain exceptions (discussed later in this section), the sample locations, frequencies, depths, and analytes associated with the pre-design investigations were consistent with the Pre-Design Work Plan. All field and analytical activities 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 for PCB analysis during the pre-design investigation 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 soil samples were also analyzed for Appendix IX+3 constituents (excluding pesticides and herbicides) following the methods presented in the FSP/QAPP. Sample results were reported by the laboratory on a dry-weight basis with reporting limits consistent with those presented in the FSP/QAPP. The analytical results for the pre-design investigation soil samples are summarized in Table 1 for PCBs and Table 2 for other Appendix IX+3 constituents. For polychlorinated dibenzo-p-dioxins (PCDDs) and

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polychlorinated dibenzofurans (PCDFs), Table 2 also presents the total Toxicity Equivalent (TEQ) concentrations, calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization, as specified in the SOW. In addition, soil data from investigations performed prior to the pre-design investigations are presented in Table 3 for PCB data and Table 4 for Appendix IX+3 data.

During the performance of the pre-design investigation, a few modifications to the sampling regime specified in the Pre-Design Work Plan were implemented based on field conditions, investigation results, and/or communications with EPA. These modifications consisted of the following:

- As part of its conditional approval of the Pre-Design Work Plan, EPA required that three additional samples from the Future City Recreational Area be collected and submitted for analysis of PCBs and Appendix IX+3 constituents. The additional samples (identified as CRA-20, CRA-21, and CRA-22 on Figure 2) are located on the north portion of the Future City Recreational Area along East Street. Soil samples were collected at 0-to 2-foot, 2- to 5-foot, and 5- to 14-foot depth intervals and analyzed for PCBs, and one sample from each boring was selected for Appendix IX+3 analysis.
- The specific depths of four Appendix IX+3 samples were modified in the field due to photoionization detector (PID) readings and/or visual observations (e.g., evidence of staining) of the recovered soil samples.
- Some boring locations were shifted slightly from their proposed locations due to sampling equipment refusal
  or access limitations (e.g., physical access or utility clearance).

None of the modifications identified above affects the overall characterization of the soils within the Future City Recreational Area or the preparation of an RD/RA Work Plan.

In addition to the above, during the pre-design investigations, visual evidence of potential non-aqueous-phase liquid (NAPL) was observed in a soil sample collected at a depth of 12 to 14 feet from boring RAA4-16, located outside the Future City Recreational Area in the southwest corner of the area sampled, as shown on Figure 2. This boring is located within a portion of East Street Area 2-South where NAPL has previously been observed. GE currently operates several NAPL recovery systems within this plume and also conducts routine NAPL monitoring programs to address the NAPL in this area. These NAPL monitoring and recovery programs are performed in association with other groundwater and NAPL-related activities within the Plant Site 1 Groundwater Management Area (GMA

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1), which includes the entire East Street Area 2-South and several other nearby RAAs. Technical Attachment D to the SOW requires an assessment of the need for new monitoring wells at soil sample locations in which NAPL is observed, and Technical Attachment H clarifies that wells should be installed in such borings unless the boring is in an area of known NAPL where the NAPL observed is consistent with prior investigations. Since the NAPL observed at boring RAA4-16 is in an area of known NAPL which is already being addressed under existing NAPL monitoring and recovery programs associated with GMA 1, there is no need for a new monitoring well at that location.

## 2.3 Overview of Available Soil Data

For the Future City Recreational Area, the soil data available to support the preparation of an RD/RA Work Plan include the results of the pre-design investigations conducted pursuant to the Pre-Design Work Plan and, to a lesser extent, the data available from prior investigations. The pre-design investigation results are summarized in Tables 1 and 2 for PCBs and other Appendix IX+3 constituents, respectively, while the prior soil data are summarized in Tables 3 and 4 for PCBs and other Appendix IX+3 constituents, respectively. These data have been reviewed to evaluate the need for additional soil sampling prior to the conduct of RD/RA activities for the Future City Recreational Area. Based on this review, it is concluded that the available soil data sets are generally sufficient to support the design of the response actions for this area to achieve the Performance Standards summarized in Section 1.4 above. However, as discussed in Section 3.2, certain limited additional sampling is warranted in the northwest corner of this area. All available soil data will be assessed in more detail in the RD/RA Work Plan in connection with the design of the response actions for the Future City Recreational Area.

## 2.4 Data Quality Assessment

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. Appendix B further describes the quality assessment procedures that were performed. All of the recent pre-design soil analytical data have undergone data review validation in accordance with Section 7.5 of the FSP/QAPP. The results of this process are summarized in Appendix B. Overall, the pre-design soil data meet the data quality objectives set forth in the FSP/QAPP.

As indicated in the Pre-Design Work Plan, the prior soil data (nine samples total) were previously reviewed for overall quality, based on the accompanying laboratory documentation. Based on that review, these data were found, with limited exceptions, to be of acceptable quality for use in satisfying RD/RA requirements for the response actions for the Future City Recreational Area. (The limited exceptions related to the PCDD/PCDF data from borings X-16, X-17, and X-18. As a result, as noted in the Work Plan, those prior data will not be used in RD/RA activities, and additional samples were collected from these three borings for PCDD/PCDF analysis during the predesign investigations.) To confirm this finding, a more detailed data quality assessment of these prior data will be conducted and the results will be included in the RD/RA Work Plan.

## 3.1 General

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 needs are present. If such data needs are identified, the Pre-Design Report is to include a proposal, if necessary, for further studies/investigations, as well as a schedule for such activities and the submission of any additional pre-design reports. Based on the currently available information, as discussed below, there are very few data/information needs to be addressed prior to the development of the RD/RA Work Plan for the Future City Recreational Area. In addition, given the relatively straightforward nature of the response actions at this area, it will not be necessary to prepare and submit both a Conceptual and Final RD/RA Work Plan for this area. Therefore, this section also summarizes the anticipated contents of the RD/RA Work Plan and the proposed schedule for its development and submittal to EPA.

## 3.2 Assessment of Potential Data Needs and Description of Limited Additional Sampling

The Pre-Design Work Plan identified the activities proposed by GE to support the evaluation of response actions for the Future City Recreational Area and the preparation of an RD/RA Work Plan. The specific activities proposed in the Pre-Design Work Plan involved the performance of soil investigations for the Future City Recreational Area and designated adjacent areas to better characterize existing soil conditions and to satisfy the investigation requirements specified in the CD and SOW. Although minor modifications to the scope of sampling specified in the Pre-Design Work Plan were implemented during the field activities, none of the modifications (described in Section 2.2) significantly affected the overall characterization of soils within the Future City Recreational Area that was gained from the remaining sampling data.

Based upon review of all the available soil data, GE has determined that those data are generally sufficient to characterize the Future City Recreational Area soils and to support the necessary RD/RA evaluations for that area, including an assessment of current soil conditions and the need for, type of, and scope of response actions to achieve the applicable Performance Standards for this area. In particular, the available PCB soil characterization data are sufficient to support the necessary RD/RA evaluations for this area. However, review of the non-PCB Appendix IX+3 soil data from the Future City Recreational Area indicates the need for certain limited additional

sampling in one portion of this area. As shown in Table 2, elevated levels of certain semi-volatile organic compounds (SVOCs), which are consistent with coal-tar-related wastes, were detected in the sample collected from the 5- to 14-foot depth increment at sample location CRA-3. Although samples from this depth increment will be evaluated as part of the overall averaging area within East Street Area 2-South that contains the Future City Recreational Area (i.e., the former Gas Plant/Scrapyard Area), these results indicate a potential for elevated levels of SVOCs to be present in the overlying soils at this location, and specifically in the soils associated with the Future City Recreational Area – i.e., soils within the existing upper two feet in this area. Since that existing 0- to 2-foot depth increment will become the 1- to 3-foot depth increment of the Future City Recreational Area, and since GE is required to achieve recreational-use standards in that depth increment within the Future City Recreational Area, GE believes that SVOC data should be obtained from the existing 0- to 2-foot depth increment at this location.

Accordingly, GE will perform certain limited additional soil sampling for SVOCs in this area. Specifically, GE will collect soil samples from the 0- to 2-foot depth increment at pre-design sampling locations CRA-3 and CRA-4, as well as at a new sampling location between CRA-3 and CRA-8 (designated CRA-23), as shown on Figure 2. The soil sample from location CRA-3 will be submitted for analysis of Appendix IX+3 SVOCs. The soil samples from locations CRA-4 and CRA-23 will be held for possible analysis of such SVOCs, based on the SVOC results from CRA-3. Specifically, those samples will be submitted for SVOC analysis if the results from the CRA-3 sample indicate the presence of elevated levels of SVOCs in the 0- to 2-foot depth increment such that soil removal to address SVOCs may be necessary in this corner of the Future City Recreational Area. In order to avoid extra delays in preparing the RD/RA Work Plan for this area, GE will proceed with these soil sampling and analysis activities within the next couple of weeks (upon prior notification to EPA), and will present the analytical results, together with an evaluation of the need for further SVOC sampling in this area, in an addendum to this Pre-Design Report.

In addition, during the development of the RD/RA Work Plan for the Future City Recreational Area, some other information needs may be identified and addressed by GE, such as additional site mapping/surveying and/or the collection of representative soil samples to characterize the soil for disposition (if it is determined that soil removal will be necessary). The scope and results of such activities, if performed, will be reported in the RD/RA Work Plan.

## 3.3 Preparation of RD/RA Work Plan

In accordance with the schedule described in Section 3.6, GE will develop an RD/RA Work Plan for the response actions for the Future City Recreational Area. Given the nature of those response actions, GE will not prepare a Conceptual RD/RA Work Plan and instead will submit a final RD/RA Work Plan for EPA review and approval. Based on the anticipated response actions and preliminary review of the pre-design soil data, the contents of the RD/RA Work Plan will be streamlined (to the extent possible) and focus on the following topics:

- Updated summary of pre-design studies/investigations (including the more detailed data quality assessment of the prior soil data);
- Evaluation of the response actions needed to meet the PCB-related Performance Standards set forth in the CD and the SOW;
- Evaluation of the need for additional response actions to address non-PCB constituents and (if needed) the type
  of such response actions;
- Identification of Applicable or Relevant and Appropriate Requirements (ARARs) in accordance with Attachment B to the SOW;
- Detailed design of the response actions;
- Description of implementation details concerning the response actions;
- Construction quality assurance procedures for these response actions; and
- Proposed implementation schedule.

## 3.4 Schedule

As described in Section 3.2 of this Pre-Design Report, GE has identified the need for additional soil investigations for SVOCs within the Future City Recreational Area, GE will proceed with such activities and submit the results in an addendum to EPA by May 16, 2001. GE proposes to submit the RD/RA Work Plan for the Future City

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Recreational Area to EPA within 60 days following submission of that addendum or EPA's approval of this Pre-Design Report, whichever is later.

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# Tables

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## FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

Sample ID	Depth(Feet)	Date Collected	Arocior-1016, -1221, -1232, -1242, -1248	Arocior-1254	Aroclor-1260	Total PCBs
			Within Limits of Future	City Recreational Area		
CRA-I	0-2	1/17/01	ND(0.044)	0.54	0 74	1.28
	2-5	1/17/01	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	5-14	1/17/01	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
CRA-2	0-2	1/17/01	ND(0.047)	0 49	0.70	1 19
	2-5	1/17/01	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	5-14	1/17/01	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
CRA-3	0-2	1/17/01	ND(0.46)	ND(0.46)	ND(0.46)	ND(0.46)
	2-5	1/17/01	ND(0.27)	ND(0.27)	ND(0.27)	ND(0.27)
	5-14	1/17/01	ND(0.047) [ND(0.044)]	ND(0.047) [ND(0.044)]		ND(0.047) [ND(0.044)]
CRA-4	0-2	1/18/01	ND(0.051)	0.10	010	0.20
	2-5	1/18/01	ND(0.047)	0.18	0. <b>26</b>	0.44
	5-14	1/18/01	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
CRA-5	0-2	1/18/01	ND(0.049)	0.35	0 49	0.84
	2-5	1/18/01	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	5-14	1/18/01	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
CRA-6	0-2	1/18/01	ND(0.047)	0.064	0.22	0.284
	2-5	1/18/01	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
	5-14	1/18/01	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
CRA-7	0-2	1/18/01	ND(0.048)	0.048	0.063	0.111
	2-5	1/18/01	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
	5-14	1/18/01	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]
CRA-8	0-2	1/22/01	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)
-	2-5	1/22/01	ND(0.040)	ND(0.040)	ND(0.040)	ND(0 040)
	5-14	1/22/01	ND(0.045)	ND(0.045)	0.094	U.094
CRA-9	0-2	1/22/01	ND(0.24)	ND(0.24)	5.6	5.6
	2-5	1/22/01	ND(0.048)	ND(0.048)	0.029 J	0.029 J
	5-14	1/22/01	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
CRA-10	0-2	1/22/01	ND(0.049)	0.28	0.45	0.73
	2-5	1/22/01	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	5-14	1/22/01	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
CRA-11	0-2	1/23/01	ND(0.047)	0.28	0.78	1.06
	2-5	1/23/01	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]
	5-14	1/23/01	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
CRA-12	0-2	1/23/01	ND(0.46)	ND(0.46)	3.4	3.4
	2-5	1/23/01	ND(0.22)	1.8	0.92	2.72
	5-14	1/23/01	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
CRA-13	0-2	1/23/01	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	2-5	1/23/01	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
	5-14	1/23/01	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)
CRA-14	0-2	1/19/01	ND(0.21)	0.61	1.2	1.81
	2-5	1/19/01	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	5-14	1/19/01	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
CRA-15	0-2	1/19/01	ND(0.23)	0.80	1.5	2.3
	2-5	1/19/01	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	5-14	1/19/01	ND(0.050)	ND(0.050)	0.13	0 13
CRA-16	0-2	1/19/01	ND(0 044)	0.32	0.57	0 89
	2-5	1/19/01	ND(0.044)	0.35	0.79	1 14
	5-14	1/19/01	ND(0.043)	0.063	0.082	0.145
CRA-17	0-2	1/19/01	ND(4 2)	ND(4.2)	42	42
	2-5	1/19/01	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	5-14	1/19/01	ND(0 042)	ND(0.042)	ND(0.042)	ND(0.042)
CRA-18	0-2	1/23/01	ND(0.044)	ND(0.044)	0.32	0 32
	2-5	1/23/01	ND(0 043)	ND(0.043)	ND(0.043)	ND(0.043)
	5-14	1/23/01	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
CRA-19	0-2	1/23/01	ND(0.044)	0.14	0.24	0.38
CICA+17	2-5	1/23/01	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
	5-14	1/23/01	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)

#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

#### FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR PCBs

#### (Results are presented in dry weight parts per million, ppm)

Sample ID	Depth(Feet)	Date Collected	Arocior-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
CRA-20	0-2	1/31/01	Within bining of Future	City Recreational Area	0.032 J	0 058 J
	2-5	1/31/01	ND(0.042)	0.13	0.22	0.35
	5-14	1/31/01	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
CRA-21	0-2	1/31/01	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
	2-5	1/31/01	ND(0.044)	0.085	0.12	0.205
	5-14	1/31/01	ND(0.040) [ND(0.041)]	ND(0.040) [ND(0.041)]	ND(0.040) [ND(0.041)]	ND(0.040) [ND(0.041)]
CRA-22	0-2	1/31/01	ND(0.058)	0.43	0.52	0.95
	2-5	1/31/01	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	5-14	1/31/01	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
			Adjacent to Future Ci	ty Recreational Area		
RAA4-1	0-1	1/30/01	R	R	R	R
RAA4-2	0-1	1/24/01	ND(0.24)	1.4	ND(0.24)	1.4
	1-6	1/24/01	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)
	6-15	1/24/01	ND(0.23)	ND(0.23)	ND(0.23)	ND(0.23)
RAA4-3	0-1	1/30/01	ND(0.051)	0.68	ND(0.051)	0.68
RAA4-4	0-1	1/24/01	ND(24)	180	320	500
	1-6	1/24/01	ND(0.22)	1.4	ND(0.22)	1.4
	6-15	1/24/01	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)
RAA4-5	0-1	1/30/01	ND(0.45)	2.8	6.6	9.4
RAA4-6	0-1	1/30/01	ND(2.5)	ND(2.5)	14	14
RAA4-7	0-1	1/30/01	ND(0.22)	0.55	0 73	1.28
RAA4-8	0-1	1/30/01	ND(0.22) [ND(0.26)]	ND(0.22) [ND(0.26)]	3.5 [5.4]	3.5 [5 4]
RAA4-9	0-1	1/30/01	ND(0.044)	0.44	1.2	1.64
RAA4-10	0-1	1/30/01	ND(0.24)	ND(0.24)	3.9	3.9
RAA4-11	0-1	1/30/01	ND(0.51)	ND(0.51)	5.0	5.0
RAA4-12	0-1	1/30/01	ND(0.22)	ND(0.22)	7.9	7.9
RAA4-13	0-1	1/30/01	ND(0.055)	ND(0.055)	0.79	0.79
RAA4-14	0-1	1/30/01	ND(0.044)	0.66	0.90	1.7
RAA4-15	0-1	1/30/01	ND(0.046)	0.34	0.50	0.84
RAA4-16	0-1	1/24/01	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
	1-6	1/24/01	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
	6-15	1/24/01	ND(1.1)	ND(1.1)	20	20
RAA4-17	0-1	1/29/01	ND(0.53)	3.3	6.8	10.1
	1-6	1/29/01	ND(0.037)	ND(0.037)	0.030 J	0.030 J
	6-15	. 1/29/01	ND(0.042)	ND(0.042)	0.50	0.50
RAA4-18	0-1	1/29/01	ND(0.038)	0 46	1.5	1.96
	1-6	1/29/01	ND(0.038)	0.35	0.73	1.08
	6-15	1/29/01	ND(0.037)	ND(0 037)	0.26	0.26
RAA4-19	0-1	1/29/01	ND(0.048)	ND(0.048)	2.2	2 2
	1-6	1/29/01	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	6-15	1 <b>/29</b> /01	ND(0.052) [ND(0.036)]	ND(0.052) [ND(0.036)]	ND(0.052) [ND(0.036)]	ND(0.052) [ND(0.036)]
RAA4-20	0-1	1/29/01	ND(0.038)	0.53	1.4	1.93
	1-6	1/29/01	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	1/29/01	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA4-21	0-1	1/29/01	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	1-6	1/29/01	ND(0.037)	0.16	0.22	0.38
	6-15	1/29/01	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)
RAA4-22	0-1	1/31/01	ND(0.056)	0.24	0.46	0.70
	1-6	1/31/01	ND(0.045)	ND(0 045)	ND(0.045)	ND(0.045)
	6-15	1/31/01	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to CT&E Environmental Services, Inc. for analysis of PCBs

2 ND - Analyte was not detected. The value in parentheses is the associated detection limit.

3. Duplicate results are presented in brackets

 $4\!-\!J$  - Indicates an estimated value less than the practical quantitation limit (PQL).

5. R - Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data should not be used for any qualitative or quantitative purposes.

#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

#### FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX+3 CONSTITUENTS

Location:			WITHIN	LIMITS OF F	UTURE CITY R	ECREATIONAL AREA		
Sample ID:	CRA-1	CRA-1	CRA-2	CRA-2	CRA-3	CRA-3	CRA-5	CRA-6
Sample Depth(Feet):	5-14	6-8	2-4	2-5	5-14	10-12	0-2	2-5
ameter Date Collected:	01/17/01	01/17/01	01/17/01	01/17/01	01/17/01	01/17/01	01/18/01	01/18/01
atile Organics								
zene	NS	ND(0 0064)	ND(0.0071)	NS	NS	1.8 [1.8]	ND(0.0074)	NS
orobenzene	NS	ND(0.0064)	ND(0.0071)	NS	NS	ND(0.036) [ND(0.032)]	ND(0.0074)	NS
vlbenzene	NS	0.0037 J	ND(0.0071)	NS	NS	70 [62]	ND(0.0074)	NS
'ene	NS	0.010	ND(0.0071)	NS	NS	140 [160]	ND(0.0074)	NS
uene	NS	0.0046 J	ND(0.0071)	NS	NS	60 [56]	ND(0.0074)	NS
enes (total)	NS	0.025	ND(0.0071)	NS	NS	240 [250]	ND(0.0074)	NS
nivolatile Organics		A						
1ethylnaphthalene	ND(0.43)	NS	NS	ND(0.47)	290	[280]	ND(0.54)	ND(0.51)
naphthene	ND(0.43)	NS	NS	ND(0.47)	15	[16]	ND(0.54)	ND(0.51)
naphthylene	ND(0.43)	NS	NS	ND(0.47)	43	[39]	ND(0.54)	ND(0.51)
hracene	ND(0.43)	NS	NS	ND(0.47)	38	[36]	ND(0.54)	ND(0.51)
zo(a)anthracene	ND(0.43)	NS	NS	ND(0.47)	42	[38]	ND(0.54)	ND(0.51)
zo(a)pyrene	ND(0.43)	NS	NS	ND(0.47)	49	[53]	ND(0.54)	ND(0.51)
zo(b)fluoranthene	ND(0.43)	NS	NS	ND(0.47)	23	[24]	ND(0.54)	ND(0.51)
izo(g,h,i)perylene	ND(0.43) J	NS	NS	ND(0.47) J	34 J	[33 J]	ND(0.54)	ND(0.51)
izo(k)fluoranthene	ND(0.43)	NS	NS	ND(0.47)	31	[27]	ND(0.54)	ND(0.51)
vsene	ND(0.43)	NS	NS	ND(0.47)	39	[36]	ND(0.54)	ND(0.51)
enzo(a,h)anthracene	ND(0.86) J	NS	NS	ND(0.95) J	6.5 J	[5.5 J]	ND(1.1)	ND(1.0)
enzofuran	ND(0.43)	NS	NS	ND(0.47)	8.3	[8.0]	ND(0.54)	ND(0.51)
oranthene	ND(0.43)	NS	NS	ND(0.47)	37	[33]	ND(0.54)	ND(0.51)
orene	ND(0.43)	NS	NS	ND(0.47)	47	[82]	ND(0.54)	ND(0.51)
	ND(0.86)	NS	NS	ND(0.95)	27	[27]	ND(1.1)	ND(1.0)
eno(1,2,3-cd)pyrene	ND(0.43)	NS	NS	ND(0.47)	430	[420]	ND(0.54)	ND(0.51)
	ND(0.43)	NS	NS	ND(0.47)	230	[230]	ND(0.54)	ND(0.51)
manthrene	ND(0.43)	NS	NS	ND(0.47)	230	[230]	0.32 J	ND(0.51)
ene	140(0.45)	1 105	113	142(0.47)	200	(410)	0.02.5	112(0.21)
7.8-TCDF	ND(0.0000098)	NS	NS	ND(0.000014)	ND(0.000018)	[ND(0.000038)]	0.000011	ND(0.000026)
	ND(0.0000098)	NS	NS	ND(0.000014)	ND(0.000018)	[ND(0.000038)]	0.000099	ND(0.000026)
DFs (total) .3,7,8-PeCDF	ND(0.000014)	NS	NS	ND(0.000014)	ND(0.000032)	[ND(0.000099)]	0.0000026	ND(0.000031)
	a survey to the second s	and the second se	NS	ND(0.000014)	ND(0.000032)	[ND(0.000099)]	0.0000035	ND(0.000031)
4,7,8-PeCDF	ND(0.000013)	NS NS	NS NS	· · · · · · · · · · · · · · · · · · ·	ND(0.000032)	[ND(0.000099)]	0.000048	ND(0.000031)
DFs (total)	ND(0.000014)			ND(0.000014)			0.0000025	ND(0.000021)
.3,4.7.8-HxCDF	ND(0.000017)	NS	NS	ND(0.000017)	ND(0.000014)	[ND(0.000047)]	0.0000025	ND(0.000027)
.3.6.7.8-HxCDF	ND(0.000016)	NS	NS NS	ND(0.000020)	ND(0.000017)	[ND(0.000044)] [ND(0.000052)]	ND(0.0000031)	ND(0.000023)
.3,7,8,9-HxCDF	ND(0.000019)	NS		ND(0.000016)	ND(0.000015)		0.0000028	ND(0.000023)
4,6,7,8-HxCDF	ND(0.000017)	NS	NS	ND(0.000014)	ND(0.000014) ND(0.000014)	[ND(0.000048)]	0.000038	ND(0.000021)
CDFs (total)	ND(0.000017)	NS	NS	ND(0.000014)		[ND(0.000047)]		
.3,4,6,7,8-HpCDF	ND(0.0000096)	NS	NS	ND(0.000014)	ND(0.000017)	[ND(0.000021)]	0 0000079	ND(0.000023)
.3,4,7,8,9-HpCDF	ND(0.000012)	NS	NS	ND(0.000017)	ND(0.000020)	[ND(0.000025)]	0.00000089 J**	ND(0.000028)
CDFs (total)	ND(0.000010)	NS	NS	ND(0.000016)	ND(0.000018)	[ND(0.000023)]	0.000022	ND(0.000025)
DF	ND(0.000021)	NS	NS		ND(0.000034)	[ND(0.000039)]	0.000018	ND(0 000048)
al Furans	ND(0.000021)	NS	NS	ND(0.000024)	ND(0.000034)	[ND(0.000099)]	0.00023	ND(0.000048)
xins								
.7,8-TCDD	ND(0.000019)	NS	NS		ND(0.000017)	[ND(0.000031)]	0.00000023 w	ND(0.000026)
DDs (tota!)	ND(0.000019)	NS	NS		ND(0.000017)	[ND(0.000031)]	0.0000011	ND(0.000029)
.3.7,8-PeCDD	ND(0.000020)	NS	NS	ND(0.000022)		[ND(0.000063)]	0.00000027 w	ND(0.000037)
DDs (total)	ND(0.000020)	NS	NS	ND(0 000022)		[ND(0.000063)]	0.0000020	ND(0.000037)
.3.4,7.8-HxCDD	ND(0.000013)	NS	NS		ND(0 000014)	[ND(0.000036)]	0.00000023 J**	ND(0.000027)
.3,6,7,8-HxCDD	ND(0.000013)	NS	NS	ND(0.000014)		[ND(0.000036)]	0.00000068 J**	ND(0.000026)
.3.7.8.9-HxCDD	ND(0.000019)	NS	NS	ND(0.000013)	0.000024 J	[ND(0.000033)]	0 00000039 J**	ND(0.000024)
CDDs (total)	ND(0.000013)	NS	NS	ND(0.000014)	0.000024	[ND(0.000035)]	0.0000053	ND(0.000026)
.3,4,6,7,8-HpCDD	ND(0.000016)	NS	NS	ND(0.000025)		[ND(0.000030)]	0.000012	ND(0.000035
	ND(0.000016)	NS	NS	ND(0.000025)	ND(0.000022)	[ND(0.000030)]	0.000023	ND(0.000035)
CDDs (total)								
CDDs (total) DD	ND(0.000024)	NS	NS	ND(0.000039)	ND(0.000044)	[ND(0.000050)]	0.000082	ND(0.000060)
	and the second s	NS NS	NS NS	ND(0.000039) ND(0.000039) ND(0.000039)	ND(0.000044) 0.000024	[ND(0.000050)] [ND(0.000063)] [ND(0.000099)]	0.000082	ND(0.000060) ND(0.000060)

#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

#### FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX+3 CONSTITUENTS

Location:			WITHE	LIMITS OF F	UTURE CITY RE	CREATIONAL ARE/	۹	
Sample ID:	CRA-1	CRA-I	CRA-2	CRA-2	CRA-3	CRA-3	CRA-5	CRA-6
Sample Depth(Feet):	5-14	6-8	2-4	2-5	5-14	10-12	0-2	2-5
ameter Date Collected:	01/17/01	01/17/01	01/17/01	01/17/01	01/17/01	01/17/01	01/18/01	01/18/01
rganics								
enic	ND(19.0)	NS	NS	ND(21.0)	ND(21.0)	[ND(19.0)]	ND(22.0)	ND(22 0)
Ium	ND(38.0)	NS	NS	ND(43.0)	49.0	[48.0]	47.0	ND(44.0)
villium	0.300	NS	NS	0.260	0.420	[0.340]	ND(1.50)	ND(1.50)
omium	9.20	NS	NS	12.0	13.0	[12.0]	12.0	9.60
palt	12.0	NS	NS	15.0	12.0	[9.60]	ND(15.0)	15.0
per	26.0	NS	NS	39.0	28.0	[21.0]	41.0	41.0
inide	ND(1.00)	NS	NS	ND(1.00)	ND(1.00)	[ND(1.00)]	ND(1.00)	ND(1.00)
d	14.0 J	NS	NS	12.0 J	24.0 J	[23.0 J]	ND(30.0)	ND(29.0)
rcury	ND(0.260)	NS	NS	ND(0.280)	ND(0.280)	[ND(0.250)]	ND(0.300)	ND(0.290)
kel	17.0	NS	NS	26.0	24.0	[22.0]	25.0	24.0
fide	ND(6.40)	NS	NS	ND(7.10)	73.0	[71.0]	12.0	ND(7.30)
llium	ND(1.90) J	NS	NS	ND(2.10) J	ND(2.10) J	[ND(1.90)]	ND(3.00)	ND(2.90)
nadium	ND(9.60)	NS	NS	ND(11.0)	ND(11.0)	[9.60]	ND(15.0)	ND(150)
c	56.0 J	NS	NS	63.0 J	98.0 J	[82.0 J]	99.0	53.0

#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

## FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX+3 CONSTITUENTS

Location:		Wľ	THIN LIMIT	S OF FUTURE C			1	(TD + 10
Sample ID:	CRA-6	CRA-7	CRA-8	CRA-8	CRA-9	CRA-9	CRA-10	CRA-10
Sample Depth(Feet):	4-5	0-2	2-4	2-5	5-14	12-14	2-5	4-5
Parameter Date Collected:	01/18/01	01/18/01	01/22/01	01/22/01	01/22/01	01/22/01	01/22/01	01/22/01
Volatile Organics								
Benzene	ND(0.0073)	ND(0.0072)	ND(0.0061)	NS	NS	ND(0.0064)	NS	ND(0.0067)
Chlorobenzene	ND(0.0073)	ND(0.0072)	ND(0.0061)	NS	NS	ND(0 0064)	NS	ND(0.0067)
Ethylbenzene	ND(0.0073)	ND(0.0072)	ND(0.0061)	NS	NS	ND(0.0064)	NS	ND(0.0067)
Styrene	ND(0.0073)	ND(0.0072)	ND(0.0061)	NS	NS	ND(0.0064)	NS	ND(0.0067)
Toluene	ND(0.0073)	ND(0.0072)	ND(0.0061)	NS	NS	ND(0.0064)	NS	ND(0.0067)
Xylenes (total)	ND(0.0073)	ND(0.014)	ND(0.0061)	NS	NS	ND(0.0064)	NS	ND(0.0067)
Semivolatile Organics								
2-Methvinaphthalene	NS	ND(0.48)	NS	ND(0.40)	ND(0.42)	NS	ND(0.44)	NS
Acenaphthene	NS	ND(0.48)	NS	ND(0.40)	ND(0.42)	NS	ND(0.44)	NS
Acenaphthylene	NS	ND(0.48)	N5	ND(0.40)	ND(0.42)	NS	ND(0.44)	NS
Anthracene	NS	ND(0.48)	NS	ND(0.40)	ND(0.42)	NS	ND(0 44)	NS
Benzo(a)anthracene	NS	ND(0.48)	NS	ND(0 40)	ND(0.42)	NS	ND(0.44)	NS
Benzo(a)pyrene	NS	ND(0.48)	NS	ND(0.40)	ND(0.42)	NS	ND(0.44)	NS
Benzo(b)fluoranthene	NS	ND(0.48)	NS	ND(0.40)	ND(0.42)	NS	ND(0.44)	NS
Benzo(g,h,i)pervlene	NS	ND(0.48)	NS	ND(0.40)	ND(0.42)	NS	ND(0.44)	NS
Benzo(g,n,i)perviene Benzo(k)fluoranthene	NS	ND(0.48)	NS	ND(0.40)	ND(0.42)	NS	ND(0.44)	NS
	NS	ND(0.48)	NS	ND(0.40)	ND(0.42)	NS	ND(0.44)	NS
Chrysene	NS	ND(0.97)	NS	ND(0.81)	ND(0.85)	NS	ND(0.90)	NS
Dibenzo(a,h)anthracene	NS	ND(0.48)	NS	ND(0.40)	ND(0.42)	NS	ND(0.44)	NS
Dibenzofuran		ND(0.48)	NS	ND(0.40)	ND(0.42)	NS	ND(0.44)	NS
Fluoranthene	NS		NS	ND(0.40)	ND(0.42)	NS	ND(0.44)	NS
Fluorene	NS	ND(0.48)	NS	ND(0.81)	ND(0.85)	NS	ND(0.90)	NS
Indeno(1,2,3-cd)pyrene	NS	ND(0.97)		ND(0.81) ND(0.40)	ND(0.42)	NS	ND(0.44)	NS
Naphthalene	NS	ND(0.48)	NS		ND(0.42)	NS	ND(0.44)	NS
Phenanthrene	NS	ND(0.48)	NS	ND(0.40)	ND(0.42)	NS	ND(0.44)	NS
Pyrene	NS	ND(0.48)	NS	ND(0.40)	NL(0.42)		(112(0.44)	1.1.0
Furans			1	100000000		NS	ND(0.000011)	NS
2,3,7,8-TCDF	NS	ND(0.00000068)	NS	ND(0.000093)	ND(0.000011)	NS	ND(0.000011)	NS
TCDFs (total)	NS	0.0000056	NS	ND(0.000093)	ND(0.000011)	<b>.</b>	ND(0.000015)	NS
1.2.3.7,8-PeCDF	NS	ND(0.0000023)	NS	ND(0.000099)	ND(0.000013)	NS	ND(0.000015)	NS
2,3,4,7,8-PeCDF	NS	0.00000052 J**	NS	ND(0.0000098)	ND(0.000013)	NS		NS
PeCDFs (total)	NS	0.0000050	NS	ND(0.0000099)	ND(0.000013)	NS	ND(0.000015)	NS
1.2.3.4.7.8-HxCDF	NS	0.00000025 J**	NS	ND(0.000080)	ND(0.0000091)	NS	ND(0.000084)	NS
1,2,3,6.7,8-HxCDF	NS	0 00000024 J**	NS	ND(0.0000075)	ND(0.000084)	NS	ND(0.000078)	·····
1,2,3,7,8,9-HxCDF	NS	ND(0.00000070)	NS	ND(0.000088)	ND(0.000010)	NS	ND(0.000092)	NS NS
2,3,4,6,7,8-HxCDF	NS	0 00000042 J**	NS	ND(0.000081)	ND(0.0000092)	NS	ND(0.000085)	Lange and the second se
HxCDFs (total)	NS	0.0000048	NS	ND(0.000081)	ND(0.0000091)	NS	ND(0.000084)	NS
1.2.3.4,6.7.8-HpCDF	NS	0.00000095 J**	NS	ND(0.000086)	ND(0.0000094)	NS	ND(0.0000097)	NS
1,2,3,4,7,8,9-HpCDF	NS	0.00000014 J**	NS	ND(0.000010)	ND(0.000011)	NS	ND(0,000012)	NS
HpCDFs (total)	NS	0.0000026	NS	ND(0.0000094)	ND(0.000010)	NS	ND(0.000011)	NS
OCDF	NS	ND(0.0000022)	NS	ND(0.000024)	ND(0.000028)	NS	ND(0.000027)	NS
Total Furans	NS	ND(0.0000068)	NS	ND(0.000024)	ND(0.000028)	NS	ND(0.000027)	NS NS
Dioxins								
2,3,7,8-TCDD	NS	ND(0.00000065)	NS	ND(0.000012)	ND(0.000018)	NS	ND(0.000014)	NS
TCDDs (total)	NS	0.00000018	NS	ND(0.000012)	ND(0.000018)	NS	ND(0.000014)	NS
1,2,3,7,8-PeCDD	NS	0 000000098 w	NS	ND(0.000014)	ND(0.000016)	NS	ND(0.000015)	NS
PeCDDs (total)	NS	0.00000015	NS	ND(0.000014)	ND(0.000016)	NS	ND(0.000015)	NS
1,2,3,4,7,8-HxCDD	NS	ND(0.00000061)	NS	ND(0 000010)	ND(0.000011)	NS	ND(0 000014)	NS
1.2.3.6.7.8-HxCDD	NS	0.00000015 w	NS	ND(0.0000099)	ND(0.000011)	NS	ND(0 000013)	NS
1,2,3,7,8,9-HxCDD	NS	0.00000012 w	NS	ND(0.0000091)	ND(0.000010)	NS	ND(0.000012)	NS
HxCDDs (total)	NS	0.00000026	NS	ND(0 0000097)	ND(0.000011)	NS	ND(0.000013)	NS
1,2,3,4,6,7,8-HpCDD	NS	0.0000022 J**	NS	ND(0.000015)	ND(0.000018)	NS	ND(0.000019)	NS
HpCDDs (total)	NS	0.0000044	NS	ND(0.000015)	ND(0.000018)	NS	ND(0.000019)	NS
OCDD	NS	0.000016	NS	ND(0.000037)	ND(0.000036)	NS	ND(0.000035)	NS
Total Dioxins	NS	ND(0.0000068)	NS	ND(0.000037)	ND(0.000036)	NS	ND(0.000035)	NS
Total TEQs (WHO TEFs)	NS	ND(0.0000068)	NS	ND(0.000037)	ND(0.000036)	NS	ND(0.000035)	NS

#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

#### FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX+3 CONSTITUENTS

Location:	artan kanta a diri <sub>al</sub> geponenti saliyin Pasakana a	<i>H</i> ,	ITHIN LIMIT	S OF FUTURE (	CITY RECREAT	IONAL ARE	4	
Sample ID: Sample Depth(Feet):	CRA-6 4-5	CRA-7 0-2	CRA-8 2-4	CRA-8 2-5	CRA-9 5-14	CRA-9 12-14	CRA-10 2-5	CRA-10 4-5
Parameter Date Collected:	01/18/01	01/18/01	01/22/01	01/22/01	01/22/01	01/22/01	01/22/01	01/22/01
Inorganics								
Arsenic	NS	16.0	NS	ND(18.0)	ND(19.0)	NS	ND(20.0)	NS
Barium	NS	39.0	NS	ND(36.0)	ND(38 0)	NS	ND(40.0)	NS
Beryllium	NS	ND(1.40)	NS	0.180	0.320	NS	0.270	NS
Chromium	NS	15.0	NS	9.60	10,0	NS	7.80	NS
Cobalt	NS	26.0	NS	13.0	110	NS	14.0	NS
Copper	NS	110	NS	42.0	23.0	NS	28.0	NS
Cyanide	NS	ND(1.00)	NS	ND(1.00)	ND(1.00)	NS	ND(1.00)	NS
Lead	NS	36.0	NS	15.0	10.0	NS	18.0 J	NS
Mercury	NS	ND(0.290)	NS	ND(0.240)	ND(0.250)	NS	ND(0.270)	NS
Nickel	NS	35.0	NS	23.0	20.0	NS	18.0	NS
Sulfide	NS	ND(7.20)	NS	9.50	8.10	NS	8.40	NS
Thallium	NS	ND(2.90)	NS	ND(1.80)	ND(1.90)	NS	ND(2.00)	NS
Vanadium	NS	ND(14.0)	NS	ND(9.10)	ND(9.50)	NS	ND(10.0)	NS
Zinc	NS	170	NS	61.0	58.0	NS	53 0	NS

#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

#### FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX+3 CONSTITUENTS

## (Results are presented in dry weight parts per million, ppm)

Location:		WI	THIN LIMITS (	OF FUTURE O	CITY RECREATI	ONAL AREA		
Sample ID:	CRA-11	CRA-12	CRA-13	CRA-13	CRA-14	CRA-15	CRA-15	CRA-16
Sample Depth(Feet):	0-2	0-2	5-14	10-12	0-2	5-14	6-8	0-2
arameter Date Collected:	01/23/01	01/23/01	01/23/01	01/23/01	01/19/01	01/19/01	01/19/01	01/19/01
olatile Organics								
enzene	ND(0.0070)	ND(0.0069)	NS	ND(0.0082)	ND(0.0064)	NS	ND(0.0074)	ND(0.0067)
niorobenzene	ND(0.0070)	ND(0.0069)	NS	ND(0.0082)	ND(0.0064)	NS	ND(0.0074)	ND(0.0067)
hylbenzene	ND(0.0070)	ND(0.0069)	NS	ND(0.0082)	ND(0.0064)	NS	ND(0.0074)	ND(0.0067)
yrene	ND(0.0070)	ND(0.0069)	NS	ND(0.0082)	ND(0.0064)	NS	ND(0.0074)	ND(0.0067)
oluene	ND(0.0070)	ND(0.0069)	NS	ND(0.0082)	ND(0.0064)	NS	ND(0.0074)	ND(0.0067)
ylenes (total)	ND(0.0070)	ND(0.014)	NS	ND(0.0082)	ND(0.013)	NS	ND(0 0074)	ND(0.013)
mivolatile Organics								
Methylnaphthalene	ND(0.47)	ND(0.46)	ND(0.54)	NS	ND(2.1)	ND(0.50)	NS	ND(0.44)
cenaphthene	ND(0.47)	ND(0.46)	ND(0.54)	NS	ND(2.1)	ND(0.50)	NS	ND(0.44)
cenaphthylene	ND(0.47)	ND(0.46)	ND(0.54)	NS	ND(2.1)	ND(0.50)	NS	ND(0.44)
nthracene	0.10 J	ND(0.46)	ND(0.54)	NS	ND(2.1)	ND(0.50)	NS	ND(0.44)
enzo(a)anthracene	0.56	ND(0.46)	ND(0.54)	NS	ND(2.1)	ND(0.50)	NS	0.33 J
enzo(a)pyrene	0.49	ND(0.46)	ND(0.54)	NS	ND(2.1)	ND(0.50)	NS	0.35 J
enzo(b)fluoranthene	0.60	ND(0.46)	ND(0.53)	NS	ND(2.1)	ND(0.50)	NS	0.23 J
enzo(g,h,i)perylene	0.18 J	ND(0.46)	ND(0.54)	NS	ND(2.1)	ND(0.50)	NS	ND(0.44)
enzo(g,ii,i)peryiene enzo(k)fluoranthene	0.89	ND(0.46)	ND(0.54)	NS	ND(2.1)	ND(0.50)	NS	0.45
hrysene	1.1	ND(0.46)	ND(0.54)	NS	ND(2.1)	ND(0.50)	NS	0.43 J
ibenzo(a,h)anthracene	ND(0.94)	ND(0.92)	ND(1.1)	NS	ND(4.1)	ND(1.0)	NS	ND(0.90)
ibenzofuran	ND(0.47)	ND(0.46)	ND(0.54)	NS	ND(2.1)	ND(0.50)	NS	ND(0.44)
uoranthene	2.3	ND(0.46)	ND(0.54)	NS	ND(2.1)	ND(0.50)	NS	0.66
	ND(0.47)	ND(0.46)	and the second se	NS		ND(0.50)	NS	ND(0.44)
uorene	0.20 J	ND(0.46)	ND(0.54)	NS	ND(2.1)	ND(0.30)	NS	ND(0.90)
deno(1,2,3-cd)pyrene	and the second se	the second s	ND(1.1)		ND(4.1)	the second se		
aphthalene	ND(0.47)	ND(0.46)	ND(0.54)	NS	ND(2.1)	ND(0.50)	NS	ND(0 44)
nenanthrene	0.67	ND(0.46)	ND(0.54)	NS	ND(2.1)	ND(0.50)	NS NS	0.49
yrene urans	1.9	ND(0.46)	ND(0.54)	NS	ND(2.1)	ND(0.50)	NS	1.1
3,7,8-TCDF	0.000012	0.0000020	ND(0.000012)	NS	0.0000055	ND(0.000016)	NS	0.000014
		0.000014		NS	0.000046		NS	0.000131
CDFs (total) 2,3,7,8-PeCDF	0.0000991 0.0000033	0.0000064 J**	ND(0.000012)	NS	0.000017 J**	ND(0.000016) ND(0.000020)	NS	0.0000041
and the second secon	with a sublimiting the second s		ND(0.000017)		and the second state of th	•		
3.4,7,8-PeCDF	0.000010	0.0000022 J**	ND(0.000017)	NS	0.0000028	ND(0.000020)	NS	0.0000054
CDFs (total)	0.000121	0.000028	ND(0.000017)	NS	0.000032	ND(0.000020)	NS	0.0000681
2,3,4,7,8-HxCDF	0.0000042	0.0000011 J**	ND(0.0000093)	NS	0.0000019 J**	ND(0.00019)	NS	0.0000038
2,3,6,7,8-HxCDF	0.0000037	0.00000098 J**	ND(0.000086)	NS	0.0000013 J**	ND(0.00018)	NS	0.0000027
2.3.7,8,9-HxCDF	ND(0.0000018)	ND(0.0000027)	ND(0.000010)	NS	0.0000036 J**	ND(0.00021)	NS	0.00000061 J**
3,4,6,7,8-HxCDF	0.000010	0.0000023	ND(0.0000094)	NS	0.0000022 J**	ND(0.00020)	NS	0.0000042
xCDFs (total)	0.00013	0.000031	ND(0.0000093)	NS	0.000029	ND(0.00020)	NS	0.000053
2,3,4,6.7,8-HpCDF	0.000015	0.000038	ND(0.000012)	NS	0.0000041	ND(0.000020)	NS	0.0000077
2,3,4,7,8,9-HpCDF	0.0000015 J**	0.0000039 J**	ND(0.000014)	NS	0.0000061 J**	ND(0.000024)	NS	0.00000087 J**
pCDFs (total)	0.000037	0.0000081	ND(0.000013)	NS	0.0000092	ND(0.000021)	NS	0.0000151
CDF	0.000013	0.0000037 J**	ND(0.000029)	NS	0.0000036 J**	ND(0.000039)	NS	0 0000053
otal Furans	0.00040	0.000085	ND(0.000029)	NS	0.00012	ND(0.00021)	NS	0 00027
ioxins			,					
3,7,8-TCDD	0.00000021 w	0.0000013 w	ND(0.000021)	NS	0.00000016 w	ND(0.000017)	NS	0.0000025 w
CDDs (total)	0.00000121	ND(0.00000029)	ND(0.000021)	NS	0.00000042	ND(0.000017)	NS	0 0000024 1
2,3,7,8-PeCDD	0.0000020 w	0.0000036 w	ND(0.000018)	NS	0.0000011 w	ND(0.000029)	NS	0.0000014 w
eCDDs (total)	0.0000026	ND(0.00000054)	ND(0.000018)	NS	0.000000471	ND(0.000029)	NS	0 00000027 1
2,3,4,7,8-HxCDD	0.00000036 J**	ND(0.00000087)	ND(0 000013)	NS	ND(0.00000017)	ND(0.000079)	NS	0.00000025 J**
2,3,6,7,8-HxCDD	0 00000077 J**	0.00000034 J**	ND(0.000013)	NS	0.00000026 w	ND(0.000078)	NS	0.00000054 ]**
2.3,7,8,9-HxCDD	0.00000053 J**	0 00000016 J**	ND(0.000012)	NS	ND(0.00000016)	ND(0.000071)	NS	0.0000035 J**
xCDDs (total)	0.0000078	0.00000051	ND(0.000012)	NS	0.0000011	ND(0.000076)	NS	0.0000024
2,3.4.6.7,8-HpCDD	0.000011	0.0000021 J**	ND(0 000021)	NS	0.0000023	ND(0.000031)	NS	0.0000051
pCDDs (total)	0.000023	0.0000042	ND(0.000021)	NS	0.0000023	ND(0.000031)	NS	0.000011
	0.00000	Construction of the Constr	ND(0.000036)	NS	0.000013	ND(0.000036)	NS	0.000029
CDD	0.000069	ND(0.000016)	100(0.0000000)	1 10 1	0.00015	110(0.0000301	ו כדי ו	V.V.V.V.2.
CDD otal Dioxins	0.00069	0.0000047	ND(0.000036)	NS	0.000017	ND(0.000079)	NS	0 000045

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#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

## FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX+3 CONSTITUENTS

	Location:		W	ITHIN LIMITS C	OF FUTURE C	TTY RECREAT	ONAL AREA		
Sar	Sample ID:	CRA-11 0-2	CRA-12 0-2	CRA-13 5-14	CRA-13 10-12	CRA-14 0-2	CRA-15 5-14	CRA-15 6-8	CRA-16 0-2
rameter	Date Collected:	01/23/01	01/23/01	01/23/01	01/23/01	01/19/01	01/19/01	01/19/01	01/19/01
organics									
senic		ND(21.0)	ND(15.0)	ND(24.0)	NS	ND(15.0)	ND(22.0)	NS	ND(15.0)
rium		ND(42.0)	31.0	ND(49.0)	NS	46.0	ND(45.0)	NS	36.0
ryllium		0.340	0.350	0,590	NS	0.230	0.280	NS	0.270
nomium	1	10.0	12.0	11.0	NS	29.0	8.40	NS	9.40
nbalt		14.0	14.0	130	NS	11.0	ND(11.0)	NS	11.0
pper		47.0	58.0	34.0	NS	46.0	ND(22.0)	NS	31.0
anide		ND(1.00)	ND(1.00)	ND(1.00)	NS	4.80	ND(1 00)	NS	ND(1.00)
ad		64.0	21.0	16.0	NS	26.0	5.00	NS	42.0
ercury		ND(0.280)	ND(0.280)	ND(0.330)	NS	ND(0.260)	ND(0.300)	NS	ND(0.270)
ckel		25.0	25.0	21.0	NS	25.0	16.0	NS	<b>19</b> .0
lfide		9.00	13.0	ND(8,20)	NS	16.0	ND(7.40)	NS	ND(6.70)
allium		ND(2.10) J	ND(2.10) J	ND(2.40) J	NS	ND(1.90)	ND(2.20)	NS	ND(2.00)
anadium		ND(10.0)	11.0	ND(12.0)	NS	23.0	ND(11.0)	NS	11.0
nc		52.0	57.0	61.0	NS	67.0	43.0	NS	70.0

#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

#### FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX+3 CONSTITUENTS

[ <sup></sup>	Location:			WITHIN LIMITS OF FUTURE (	CITY RECRE	ATIONAL ARE/	4	
	Sample ID:	CRA-17	CRA-17	CRA-18	CRA-19	CRA-19	CRA-20	CRA-20
San	nple Depth(Feet):	5-14	12-14	0-2	2-4	2-5	2-4	2-5
Parameter	Date Collected:	01/19/01	01/19/01	01/23/01	01/23/01	01/23/01	01/31/01	01/31/01
Volatile Orga					1	1	1	
Benzene		NS	ND(0.0064)	ND(0.0067) [ND(0.0076)]	ND(0.0064)	NS	ND(0.0063)	NS
Chlorobenzen	P	NS	ND(0.0064)	ND(0.0067) [ND(0.0076)]	ND(0.0064)	NS	ND(0.0063)	NS
Ethvlbenzene		NS	ND(0.0064)	ND(0.0067) [ND(0.0076)]	ND(0.0064)	NS	ND(0.0063)	NS
Styrene		NS	ND(0.0064)	ND(0.0067) [ND(0.0076)]	ND(0.0064)	NS	ND(0.0063)	NS
Toluene		NS	ND(0.0064)	ND(0.0067) [ND(0.0076)]	ND(0.0064)	NS	ND(0.0063)	NS
Xylenes (total	)	NS	ND(0.0064)	ND(0.013) [ND(0.0076)]	ND(0.013)	NS	ND(0.0063)	NS
Semivolatile			110(0.0004)		1 110(0.012)	1	(0.0000)	
2-Methylnaph	ž	ND(0.50)	NS	ND(0.44) [ND(0.50)]	NS	ND(0.43)	NS	0.13 J
Acenaphthene		ND(0.50)	NS	0.13 J [ND(0.50)]	NS	ND(0.43)	NS	ND(0.42)
Acenaphthyle		ND(0.50)	NS	ND(0.44) [ND(0.50)]	NS	ND(0.43)	NS	0113
Anthracene	110	ND(0.50)	NS	0.34 J [ND(0.50)]	NS	ND(0.43)	NS	ND(0.42)
Benzo(a)anthr		ND(0.50)	NS	1.0 [ND(0.50)]	NS	ND(0.43)	NS	0.36 J
h			NS		NS NS		NS	0.30 J
Benzo(a)pyrer		ND(0.50)	NS NS	1.0 [ND(0.50)]	NS NS	ND(0.43)	NS NS	0.37 J
Benzo(b)fluor		ND(0.50) ND(0.50)	NS NS	0.84 [ND(0.50)] 0.56 [ND(0.50)]	NS NS	ND(0.43)	NS NS	0.29 J 0.37 J
Benzo(g,h,i)pe Benzo(k)fluor	a diama a cara a	·····	NS NS	· · · · · · · · · · · · · · · · · · ·	NS NS	ND(0.43) ND(0.43)	NS NS	0.37 J
	anthene	ND(0.50)		1.1 [ND(0.50)]			NS NS	
Chrysene Dibenzo(a,h)a	nthraces	ND(0.50) ND(1.0)	NS NS	1.1 [ND(0.50)]	NS NS	ND(0.43) ND(0.86)	NS NS	0.46 ND(0.85)
Dibenzofuran		ter and the second s	NS NS	ND(0.89) [ND(1.0)]			NS NS	0.089 J
		ND(0.50)		0.14 J [ND(0.50)]	NS	ND(0.43)		[]
Fluoranthene		ND(0.50)	NS	2.1 [ND(0.50)]	NS	ND(0.43)	NS	0.57
Fluorene		ND(0.50)	NS	0.16 J [ND(0.50)]	NS	ND(0.43)	NS	ND(0.42)
Indeno(1,2,3-c	ca)pyrene	ND(1.0)	NS	0.56 J [ND(1.0)]	NS	ND(0.86)	NS	0.33 J
Naphthalene		ND(0.50)	NS	0.17 J [ND(0.50)]	NS	ND(0.43)	NS	0.17 J
Phenanthrene		ND(0.50)	NS	1.6 [ND(0.50)]	NS	ND(0.43)	NS	0 32 J
Pyrene Furans		ND(0.50)	NS	2.2 [ND(0.50)]	NS	ND(0.43)	NS	0.56
2.3.7.8-TCDF		ND(0.000018)	NS	0.0000098 [0.0000098]	NS	ND(0.0000094)	NS	ND(0.000014)
TCDFs (total)		ND(0.000018)	NS	0.0000801[0.000091]	NS	ND(0.0000094)	NS	ND(0.000014)
1,2,3,7,8-PeCI		ND(0.000066)	NS	0.0000039 [0.000034]	NS	ND(0.000015)	NS	ND(0.0000095)
2.3.4.7.8-PeCI		ND(0.000065)	NS	0.000012 [0.000012]	NS	ND(0.000015)	NS	ND(0.0000093)
PeCDFs (total		ND(0.000065)	NS	0.000111[0.000121]	NS	ND(0.000015)	NS	ND(0.0000094)
1,2,3,4,7,8-Hx		ND(0.000066)	NS	0.0000048 [0.0000038]	NS	ND(0.0000082)	NS	ND(0.00016)
1.2.3.6.7.8-Hx		ND(0.000062)	NS	0.0000038 [0.0000034]	NS	ND(0.0000076)	NS	ND(0.00014)
1,2,3,7,8,9-Hx		ND(0.000073)	NS	0.0000038 [0.0000034]	NS	ND(0.0000090)	NS	ND(0.00017)
2.3.4.6.7.8-Hx		ND(0.000067)	NS	0 0000068 [0.0000070]	NS	ND(0.0000083)	NS	ND(0.00016)
HxCDFs (total		ND(0.000067)	NS	0.000084 [0.000091]	NS	ND(0.0000083)	NS	ND(0.00017)
1.2,3.4,6,7,8-1		ND(0.000018)	NS	0.0000094 [0.000082]	NS	ND(0.000013)	NS	ND(0.000042)
1,2,3,4,7,8,9-1		ND(0.000022)	NS	0 0000013 J** [0.0000011 J**]	NS	ND(0.000016)	NS	ND(0.000050)
HpCDFs (total		ND(0.000022)	NS	0.000021 [0.000020]	NS	ND(0.000014)	NS	ND(0.000046)
OCDF	•,	ND(0.000029)	NS	0.0000085 [0.0000066]	NS	ND(0.000021)	NS	ND(0 000031)
Total Furans		ND(0.000073)	NS	0.00030 [0.00033]	NS	ND(0.000021)	NS	ND(0.00017)
Dioxins								
2,3,7,8-TCDD	)	ND(0.000030)	NS	0.00000021 w [0.00000018 w]	NS	ND(0.000015)	NS	ND(0.000017)
		ND(0.000030)	NS	0.0000014 [0.0000016]	NS	ND(0.000015)	NS	ND(0 000017)
ITCDDs (total)					NS	ND(0.000014)	NS	ND(0 000017)
TCDDs (total)			NS	0.0000024 W10.00001.5 W1	1 113 1			
1.2.3.7.8-PeCI	DD	ND(0 000056)	NS NS	0.0000024 w [0.0000013 w] 0.0000022 [0.0000027]	4			ND(0.000017)
1,2,3,7,8-PeCI PeCDDs (total	DD 1)	ND(0 000056) ND(0.000056)	NS	0.0000022 [0.0000027]	NS	ND(0 000014)	NS	ND(0.000017) ND(0.000033)
1,2,3,7,8-PeCl PeCDDs (total 1,2,3,4,7,8-Hx	DD I) KCDD	ND(0 000056) ND(0 000056) ND(0 000045)	NS NS	0.0000022 [0.0000027] 0.00000022 J** [0.00000021 J**]	NS NS	ND(0.000014) ND(0.000013)	NS NS	ND(0.000033)
1,2,3,7,8-PeCl PeCDDs (total 1,2,3,4,7,8-Hx 1,2,3,6,7,8-Hx	DD 1) (CDD (CDD	ND(0 000056) ND(0 000056) ND(0 000045) ND(0 000045)	NS NS NS	0.0000022 [0.0000027] 0.00000022 J** [0.00000021 J**] 0.00000065 J** [0.00000055 J**]	NS NS NS	ND(0.000014) ND(0.000013) ND(0.000012)	NS NS NS	ND(0.000033) ND(0.000033)
1,2,3,7,8-PeCl PeCDDs (total 1,2,3,4,7,8-Hx 1,2,3,6,7,8-Hx 1,2,3,7,8,9-Hx	DD 1) (CDD (CDD (CDD	ND(0 000056) ND(0 000056) ND(0 000045) ND(0 000045) ND(0 000041)	NS NS NS NS	0.0000022 [0.0000027] 0.00000022 J** [0.00000021 J**] 0.00000065 J** [0.00000055 J**] 0.00000040 J** [0.00000033 J**]	NS NS NS NS	ND(0 000014) ND(0.000013) ND(0.000012) ND(0.000011)	NS NS NS NS	ND(0.000033) ND(0.000033) ND(0.000030)
1.2.3.7.8-PeCl PeCDDs (total 1.2.3.4.7.8-Hx 1.2.3.6.7.8-Hx 1.2.3.7.8.9-Hx HxCDDs (tota	DD I) (CDD (CDD (CDD (CDD) ()	ND(0 000056) ND(0 000056) ND(0 000045) ND(0 000045) ND(0 000041) ND(0 000044)	NS NS NS NS NS	0.0000022 [0.0000027] 0.00000022 J** [0.00000021 J**] 0.00000065 J** [0.00000055 J**] 0.00000040 J** [0.00000033 J**] 0.0000063 [0.0000060]	NS NS NS NS NS	ND(0.000014) ND(0.000013) ND(0.000012) ND(0.000011) ND(0.000012)	NS NS NS NS NS	ND(0.000033) ND(0.000033) ND(0.000030) ND(0.000032)
1.2.3.7.8-PeCl PeCDDs (total 1.2.3.4.7.8-Hx 1.2.3.6.7.8-Hx 1.2.3.7.8,9-Hx HxCDDs (tota 1.2.3.4.6.7.8-F	DD () (CDD (CDD (CDD () () () () () () () () () () () () ()	ND(0 000056) ND(0 000056) ND(0 000045) ND(0 000045) ND(0 000041) ND(0 000044) ND(0 000024)	NS NS NS NS NS NS	0.0000022 [0.0000027] 0.00000022 J** [0.00000021 J**] 0.00000065 J** [0.00000055 J**] 0.00000040 J** [0.00000033 J**] 0.0000063 [0.0000060] 0.0000079 [0.0000057]	NS NS NS NS NS NS	ND(0.000014) ND(0.000013) ND(0.000012) ND(0.000011) ND(0.000012) ND(0.000017)	NS NS NS NS NS NS	ND(0.000033) ND(0.000033) ND(0.000030) ND(0.000032) ND(0.000049)
1.2.3.7.8-PeCl PeCDDs (total 1.2.3.4.7.8-Hx 1.2.3.6.7.8-Hx 1.2.3.7.8.9-Hx HxCDDs (tota 1.2.3.4.6.7.8-H HpCDDs (tota	DD () (CDD (CDD (CDD () () () () () () () () () () () () ()	ND(0 000056) ND(0 000056) ND(0 000045) ND(0 000045) ND(0 000041) ND(0 000044) ND(0 000024) ND(0 000024)	NS NS NS NS NS NS NS	0.0000022 [0.0000027] 0.00000022 J** [0.00000021 J**] 0.00000065 J** [0.00000055 J**] 0.00000040 J** [0.00000033 J**] 0.0000063 [0.0000060] 0.0000079 [0.0000057] 0.000017 [0.000012]	NS NS NS NS NS NS NS	ND(0 000014) ND(0 000013) ND(0 000012) ND(0 000011) ND(0 000012) ND(0 000017) ND(0 000017)	NS NS NS NS NS NS NS	ND(0 000033) ND(0.000033) ND(0.000030) ND(0 000032) ND(0 000049) ND(0 000049)
1.2.3.7.8-PeCl PeCDDs (total 1.2.3.4.7.8-Hx 1.2.3.6.7.8-Hx 1.2.3.7.8,9-Hx HxCDDs (tota 1.2.3.4.6.7.8-F	DD (CDD (CDD (CDD (CDD (CDD) () () () () () () ()	ND(0 000056) ND(0 000056) ND(0 000045) ND(0 000045) ND(0 000041) ND(0 000044) ND(0 000024)	NS NS NS NS NS NS	0.0000022 [0.0000027] 0.00000022 J** [0.00000021 J**] 0.00000065 J** [0.00000055 J**] 0.00000040 J** [0.00000033 J**] 0.0000063 [0.0000060] 0.0000079 [0.0000057]	NS NS NS NS NS NS	ND(0.000014) ND(0.000013) ND(0.000012) ND(0.000011) ND(0.000012) ND(0.000017)	NS NS NS NS NS NS	ND(0.000033) ND(0.000033) ND(0.000030) ND(0.000032) ND(0.000049)

#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

#### FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX+3 CONSTITUENTS

## (Results are presented in dry weight parts per million, ppm)

	Location:		1	WITHIN LIMITS OF FUTURE	CITY RECREA	ATIONAL AREA	<u>\</u>	
	Sample ID:	CRA-17	CRA-17	CRA-18	CRA-19	CRA-19	CRA-20	CRA-20
San	pie Depth(Feet):	5-14	12-14	0-2	2-4	2-5	2-4	2-5
Parameter	Date Collected:	01/19/01	01/19/01	01/23/01	01/23/01	01/23/01	01/31/01	01/31/01
inorganics								
Arsenic	1	ND(19.0)	NS	ND(150) [ND(23.0)]	NS	ND(15.0)	NS	ND(19.0)
Barium		ND(39.0)	NS	39.0 [ND(46.0)]	NS	ND(30.0)	NS	ND(38.0)
Beryllium		0.220	NS	0.300 [0.330]	NS	ND(0.190)	NS	0.310
Chromium		8.20	NS	12.0 [14.0]	NS	8.90	NS	12.0
Cobalt		10.0	NS	140[17.0]	NS	11.0	NS	14.0
Copper	t	28.0	NS	56.0 [50.0]	NS	<b>3</b> 0.0	NS	58.0
Cvanide	t	ND(1.00)	NS	ND(1.00) [ND(1.00)]	NS	ND(1.00)	NS	ND(1.00)
Lead		12.0	NS	38.0 [34.0]	NS	14.0	NS	65.0
Mercury		ND(0.260)	NS	ND(0.270) [ND(0.300)]	NS	ND(0.260)	NS	0.340
Nickel		17.0	NS	26.0 [30.0]	NS	18.0	NS	25 0
Sulfide		ND(6.40)	NS	21.0 [29.0]	NS	14.0	NS	30.0
Thallium		ND(1.90)	NS	ND(2.00) J [ND(2.30) J]	NS	ND(1.90) J	NS	2.50
Vanadium		ND(9,70)	NS	12.0 [14.0]	NS	ND(9.60)	NS	14.0
Zinc		44.0	NS	69.0 [84.0]	NS	45.0	NS	130

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#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

#### FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX+3 CONSTITUENTS

## (Results are presented in dry weight parts per million, ppm)

Location:	WITH	N LIMITS OF FUTURE (		
Sample ID:	CRA-21	CRA-22	CRA-22	X-17
Sample Depth(Feet):	0-2	5-14	12-14	0-2
Parameter Date Collected:	01/31/01	01/31/01	01/31/01	01/31/01
Volatile Organics				
Benzene	ND(0.0071)	NS	ND(0.0068)	NS
Chlorobenzene	ND(0.0071)	NS	ND(0.0068)	NS
Ethylbenzene	ND(0.0071)	NS	ND(0.0068)	NS
Styrene	ND(0.0071)	NS	ND(0.0068)	NS
oluene	ND(0.0071)	NS	ND(0.0068)	NS
(total)	ND(0.0071)	NS	ND(0.0068)	NS
Semivolatile Organics	·····			
2-Methylnaphthalene	ND(0.47)	ND(0.44)	NS	NS
Acenaphthene	ND(0.47)	ND(0.44)	NS	NS
Acenaphthylene	ND(0.47)	ND(0.44)	NS	NS
Anthracene	ND(0.47)	ND(0.44)	NS	NS
Benzo(a)anthracene	ND(0.47)	ND(0.44)	NS	NS
Benzo(a)pyrene	ND(0.47)	ND(0.44)	NS	NS
Benzo(b)fluoranthene	ND(0.47)	ND(0.44)	NS	NS
	ND(0.47)	ND(0.44)	NS	NS
Benzo(g,h,i)perylene	ND(0.47)	ND(0.44)	NS	NS
······································	ND(0.47)	ND(0.44)	NS	NS
Chrysene	ND(0.47) ND(0.96)	ND(0.90)	NS	NS
Dibenzo(a,h)anthracene	ND(0.98) ND(0.47)	ND(0.90)	NS	NS
Dibenzofuran		ND(0.44)	NS	NS
Fluoranthene	ND(0.47)		NS	NS
Fluorene	ND(0.47)	ND(0.44)	NS	NS
ndeno(1,2,3-cd)pyrene	ND(0.96)	ND(0.90)	NS NS	NS
Naphthalene	ND(0.47)	ND(0.44)	NS	NS
Phenanthrene	ND(0.47)	ND(0.44)	NS	NS NS
Pyrene	ND(0.47)	ND(0.44)	GYI	113
Furans	0.00000001 <b>111</b>	ND(0.000013)	NC	0.000053
2,3,7,8-TCDF	0.00000051 J**	ND(0.000013)	NS NS	0.00045 QI
TCDFs (total)	0.0000036	ND(0.000013)		
1.2,3,7,8-PeCDF	0.00000023 w	ND(0.000010)	NS	0.000014
2,3,4,7.8-PeCDF	0.00000053 J**	ND(0.000010)	NS	0.000021
PeCDFs (total)	0.0000052	ND(0.000010)	NS	0.00025 Q
1,2,3,4,7,8-HxCDF	0.00000043 J**	ND(0.00012)	NS	0.000011
1,2,3,6.7,8-HxCDF	0.0000038 J**	ND(0.00011)	NS	0.0000072
1,2,3,7,8,9-HxCDF	ND(0.00000010)	ND(0.00013)	NS	0.0000018 J**
2,3,4.6,7.8-HxCDF	0.00000060 J**	ND(0.00012)	NS	0.000012
HxCDFs (total)	0.0000079	ND(0.00023)	NS	0.00020
1,2,3,4.6,7,8-HpCDF	0.0000057	ND(0.000045)	NS	0.00011
1.2.3.4.7.8.9-HpCDF	0.00000044 J**	ND(0.000055)	NS	0.0000028
HpCDFs (total)	0.000015	ND(0.000050)	NS	0.00020
OCDF	0.000018	ND(0.000029)	NS	0.000059
Total Furans	0 000050	ND(0.00023)	NS	0.0012
Dioxins	· · · · · · · · · · · · · · · · · · ·			
2,3,7,8-TCDD	ND(0.00000095)	ND(0.000017)	NS	0 00000061 w
TCDDs (total)	ND(0.00000042)	ND(0.000017)	NS	0.0000093
1,2,3,7,8-PeCDD	0.00000019 w	ND(0.000017)	NS	0.0000013 w
PeCDDs (total)	ND(0.00000062)	ND(0.000017)	NS	0 0000088 Q
1,2,3,4,7,8-HxCDD	0.00000026 J**	ND(0.00033)	NS	0.00000062 J**
1,2,3,6,7,8-HxCDD	0.00000077 J**	ND(0.00032)	NS	0 0000026
1,2,3,7.8,9-HxCDD	0.00000053 J**	ND(0.00030)	NS	0.0000014 J**
HxCDDs (total)	0.0000048	ND(0.00032)	NS	0.000022
1,2,3,4,6,7,8-HpCDD	0 000018	ND(0 00021)	NS	0.000038
HpCDDs (total)	0.000034	ND(0.00021)	NS	0.000070
OCDD	0 00013	ND(0.000049)	NS	0 00025
Total Dioxins	0.00017	ND(0 00033)	NS	0.00036
Total TEQs (WHO TEFs)	0.0000011	ND(0.00033)	NS	0.000024

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#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

#### FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX+3 CONSTITUENTS

Location:	WITHIN LIMITS OF FUTURE CITY RECREATIONAL AREA									
Sample ID: Sample Depth(Feet):	CRA-21 0-2	CRA-22 5-14	CRA-22 12-14	X-17 0-2						
Parameter Date Collected:	01/31/01	01/31/01	01/31/01	01/31/01						
Inorganics										
Arsenic	ND(21.0)	ND(20.0)	NS	NS						
Barium	ND(43 0)	ND(40.0)	NS	NS						
Beryllium	0.310	0.240	NS	NS						
Chromium	11.0	9 80	NS	NS						
Cobait	ND(11.0)	12.0	NS	NS						
Copper	ND(21.0)	ND(20.0)	NS	NS						
Cyanide	ND(1.00)	ND(1.00)	NS	NS						
Lead	18.0	8,90	NS	NS						
Mercury	ND(0.280)	ND(0.270)	NS	NS						
Nickel	16.0	23.0	NS	NS						
Sulfide	ND(7.10)	ND(6.80)	NS	NS						
Thallium	ND(2.10)	ND(2.00)	NS	NS						
Vanadium	11.0	ND(10.0)	NS	NS						
Zinc	58.0	56.0	NS	NS						

#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

## FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX+3 CONSTITUENTS

	Location:			ADJACENT 1	O FUTURE CI	TY RECR	EATIONAL AR	EA
	Sample ID:	RAA4-1	RAA4-2	RAA4-2	RAA4-4	RAA4-4	RAA4-5	RAA4-8
Sam	ple Depth(Feet):	0-1	6-8	6-15	6-15	12-14	0-1	0-1
Parameter	Date Collected:	01/30/01	01/24/01	01/24/01	01/24/01	01/24/01	01/30/01	01/30/01
Volatile Orga	nics							
Benzene		ND(0.0069)	0.57	NS	NS	100	ND(0.0067)	ND(0.0066) [ND(0.0080)]
Chlorobenzen	e	ND(0.0069)	ND(0.43)	NS	NS	ND(16)	ND(0.0067)	ND(0.0066) [ND(0.0080)]
Ethylbenzene	-	ND(0.0069)	2.4	NS	NS	280	ND(0.0067)	ND(0.0066) [ND(0.0080)]
Styrene		ND(0.0069)	ND(0.43)	NS	NS	ND(16)	ND(0.0067)	ND(0.0066) [ND(0.0080)]
Toluene		ND(0.0069)	2.8	NS	NS	640	ND(0.0067)	ND(0.0066) [ND(0.0080)]
Xylenes (total	1	ND(0.0069)	10	NS	NS	450	ND(0.0067)	ND(0.013) [ND(0.016)]
Semivolatile (							<u> </u>	
2-Methylnaph		ND(4.6)	NS	130	330	NS	20	2.0 J [2.8 J]
Acenaphthene		ND(4.6)	NS	9.5	180	NS	8.0 J	2.7 J [ND(5.3)]
Acenaphthyle	······	4.0 J	NS	56	150	NS	71	ND(4.3) [1.4 J]
Anthracene	nc I	1.2 J	NS	58	290	NS	21	9.1 [1.8 J]
Benzo(a)anthr		1.2.5	NS	46	56	NS	63	15 [4.5 J]
·····		10	NS	30	50	NS	64	10 [3.1 J]
Benzo(a)pyrer Benzo(b)fluor		6.1	NS	17	14	NS	40	6.7 [1.5 J]
		8.1	NS	17	26	NS	81	7.8 [2.5 J]
Benzo(g,h,i)pe Benzo(k)fluor		7.8	NS	22	30	NS	43	9.9 [2.8 J]
	anchene	7.8 9.6	NS	38	55	NS	45	15 [5.0 J]
Chrysene Diberge(a b)e	nthracons	9.0 ND(9.2)	NS	ND(9.3)	ND(8.6)	NS	7.4 J	ND(8.7) [ND(10)]
Dibenzo(a,h)a Dibenzofuran	ntnracene		NS	ND(9.5)	11	NS	2.0 J	2.4 J [ND(5.3)]
		ND(4.6)	NS	57	81	NS	110	29 [7.3]
Fluoranthene		12	NS	40	160	NS	38	3.9 J [1.8 J]
Fluorene	A)	ND(4.6)	NS	40 ND(9.3)	16	NS	55	6.7 J [1.5 J]
Indeno(1,2,3-0	a)pyrene	7.2 J			540	NS	6.9 J	3.7 J [4.5 J]
Naphthalene		ND(4.6)	NS	250 86	390 390	NS	150	36 [14]
Phenanthrene		2.0 J 22	NS NS	80 190	420	NS	130	28 [10]
Pyrene		<u> </u>	nə	190	420	No	140	<b>*</b> 0 [10]
Furans	1	0.000010	NC	NID(0.000040)	ND(0.00014)	NIC	0.000014	0.000044 [0.000032]
2,3,7,8-TCDF		0.000018	NS	ND(0.000040)	ND(0.00014)	NS		0.00043 1 [0.00032]
TCDFs (total)		0.00012	NS	ND(0.000040)	ND(0.00014)	NS	0.00016	0.000014 [0.000011]
1,2,3,7,8-PeC		0.0000052	NS	ND(0.000052)	ND(0.000095)	NS	0.0000069	0.000076 [0.000057]
2.3.4,7,8-PeCl		0.0000074	NS	ND(0.000051)	ND(0.000094)	NS	0.000027	
PeCDFs (total		0.000084 Q	NS	ND(0.000052)	ND(0.000095)	NS	0.00026	0.0010 [0.00081]
1,2,3,4,7,8-Hx		0.0000049	NS	0.000053 J	ND(0.00012)	NS	0.000014	0.000031 [0.000025]
1,2,3,6,7,8-Hx		0.0000030 J**	NS	0 000060 J	ND(0.00011)	NS	0.0000097	the second se
1,2,3,7,8,9-H		0.0000079 w	NS	0.000064 J	ND(0.00013)	NS		0.000078 [0.000062] 0.00013 [0.000096]
2.3,4,6,7,8-H		0.0000042	NS	0.000058 J	ND(0.00012)	NS	0.000021	
HxCDFs (tota		0.000062	NS	0.00029	ND(0.00012)	NS	0.00028	0 0018 [0.0014]
1.2,3,4,6,7,8-1		0.000018	NS NC	0.00013 J	ND(0.000082)	NS	0.000042	0.00012 [0.000092]
1.2.3.4.7.8.9-1		0.0000011 J**	NS	ND(0.000075)	ND(0.000099)	NS	0.0000061	
HpCDFs (tota	1)	0.000032	NS	0.00013	ND(0.000089)	NS	0.000092	0.00034 [0.00027]
OCDF		0.000011	NS	0.00011 w	ND(0.000095)	NS	0.000032	0.000040 [0.000036]
Total Furans		0.00031	NS	0.00053	ND(0.00014)	NS	0.00082	0.0036 [0.0028]
Dioxins							0.00000111	0.00000000 10.0000000000
2,3,7,8-TCDE		0.00000034 w	NS	ND(0.000042)	ND(0.00016)	NS	0.0000011 w	0.00000054 w (0.00000043 w
TCDDs (total)	and the party of the second	0.0000082	NS	ND(0.000042)	ND(0.00016)	NS	0.0000019	0.0000047 [0.0000057]
1.2.3,7,8-PeC		0.00000043 J**	NS	ND(0.000059)	ND(0 00018)	NS	0.0000021	0.0000014 [0.0000011 J**]
PeCDDs (tota	the second s	0.0000039 Q	NS	ND(0.000059)	ND(0.00018)	NS	0.000089	0.000013 [0.000012]
1,2,3,4,7.8-H		0.00000045 J**	NS	ND(0.000039)	ND(0 00015)	NS	0.0000016 J**	0.0000013 J** [0.0000012 J**
1,2,3,6,7,8-H		0.00000078 J**	NS	ND(0.000039)	ND(0.00015)	NS	0.0000028 J**	0.0000021 J** [0.0000018 J**
1,2,3,7,8,9-H		0.0000067 J**	NS	0.000056 w	ND(0.00014)	NS	0.0000019 J**	0.0000015 [0.0000012 J**]
HxCDDs (tota	al)	0.0000089	NS	ND(0.000038)	ND(0.00014)	NS	0.000018	0.000025 [0.000022]
1,2,3,4,6,7,8-1	HpCDD	0.0000080	NS	ND(0.000054)	ND(0.000078)	NS	0.000015	0.000027 [0.000020]
HpCDDs (tota	al)	0.000016	NS	ND(0.000054)	ND(0.000078)	NS	0.000030	0.000053 [0.000040]
OCDD		ND(0.000043)	NS	0 00022 J	0.00015 w	NS	0.000072	0.00011 [0.000080]
Total Dioxins		0.000030	NS	0.00022	0.00015	NS	0 00013	0 00021 [0 00016]
Total TEOs ()	WHO TEFs)	0.0000083	NS	0.000030	0.000000015	NS	0.000025	0.000066 [0.000049]

#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

#### FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX+3 CONSTITUENTS

Location:		ADJACENT TO FUTURE CITY RECREATIONAL AREA										
Sample ID: Sample Depth(Feet): Parameter Date Collected:	RAA4-1 0-1 01/30/01	RAA4-2 6-8 01/24/01	RAA4-2 6-15 01/24/01	RAA4-4 6-15 01/24/01	RAA4-4 12-14 01/24/01	RAA4-5 0-1 01/30/01	RAA4-8 0-1 01/30/01					
Inorganics				*								
Arsenic	ND(21.0)	NS	ND(21.0)	ND(15.0)	NS	ND(20 0)	ND(15.0) [ND(15.0)]					
Barium	ND(42.0)	NS	ND(42.0)	ND(30.0)	NS	ND(40.0)	40.0 [54 0]					
Beryllium	0.360	NS	0.300	0.260	NS	0.280	0.290 [0.370]					
Chromium	9,90	NS	12.0	7.70	NS	12.0	11.0 [13.0]					
Cobalt	ND(10.0)	NS	11.0	12.0	NS	ND(10.0)	11.0 [15.0]					
Copper	39.0	NS	33.0	25.0	NS	34.0	46.0 [51.0]					
Cyanide	5.40	NS	ND(1.00)	ND(1.00)	NS	9.20	ND(1.00) [ND(1.00)]					
Lead	<b>29</b> .0	NS	34.0 J	17.0 J	NS	34,0	44.0 [46.0]					
Mercury	ND(0.280)	NS	ND(0.280)	ND(0.260)	NS	ND(0.270)	0.300 [ND(0.320)]					
Nickel	21.0	NS	21.0	19.0	NS	14.0	19.0 [24.0]					
Sulfide	20.0	NS	160 J	770 J	NS	21.0	16.0 [ND(8.00)]					
Thallium	ND(2.10)	NS	ND(2.10)	ND(1.90)	NS	ND(2.00)	ND(2.00) [ND(2.40)]					
Vanadium	14.0	NS	11.0	ND(9.70)	NS	12.0	16.0 [19.0]					
Zinc	55.0	NS	91.0 J	54.0 J	NS	49.0	75.0 [97.0]					

#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

## FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX+3 CONSTITUENTS

Location:		AI	<b>DJACENT TO F</b>	TURE CITY R	ECREATI	ONAL AREA		
Sample ID:	RAA4-10	RAA4-13	RAA4-15	RAA4-16	RAA4-16	RAA4-17	RAA4-18	RAA4-18
Sample Depth(Feet):	0-1	0-1	0-1	6-15	12-14	0-1	1-6	4-6
Parameter Date Collected:	01/30/01	01/30/01	01/30/01	01/24/01	01/24/01	01/29/01	01/29/01	01/29/01
Volatile Organics								
Benzene	ND(0.0073)	ND(0.0083)	ND(0.0069)	NS	5.5	ND(0.0080)	NS	ND(0.0057)
Chlorobenzene	ND(0.0073)	ND(0.0083)	ND(0.0069)	NS	0.66 J	ND(0.0080)	NS	ND(0.0057)
Ethylbenzene	ND(0.0073)	ND(0.0083)	ND(0.0069)	NS	21	ND(0.0080)	NS	ND(0.0057)
Styrene	ND(0.0073)	ND(0.0083)	ND(0.0069)	NS	ND(0.82)	ND(0.0080)	NS	ND(0.0057)
Toluene	ND(0.0073)	ND(0.0083)	ND(0.0069)	NS	27	ND(0.0080)	NS	ND(0.0057)
Xylenes (total)	ND(0.015)	ND(0.0083)	ND(0 014)	NS	87	ND(0.0080)	NS	ND(0.011)
Semivolatile Organics				a			·	
2-Methylnaphthalene	ND(0.48)	ND(5.5)	ND(0.88)	95	NS	ND(0.53)	ND(0.38)	NS
Acenaphthene	ND(0.48)	ND(5.5)	ND(0.88)	8.6	NS	ND(0.53)	ND(0.38)	NS
Acenaphthylene	ND(0.48)	4.8 J	ND(0.88)	36	NS	0.18 J	ND(0.38)	NS
Anthracene	ND(0.48)	4.7 J	ND(0.88)	80	NS	ND(0.53)	ND(0.38)	NS
Benzo(a)anthracene	0.25 J	49	0.21 J	44	NS	0.28 J	ND(0.38)	NS
Benzo(a)pyrene	ND(0.48)	38	ND(0.88)	37	NS	0.21 J	ND(0.38)	NS
Benzo(b)fluoranthene	ND(0.48)	34	ND(0.88)	14	NS	0.17 J	ND(0.38)	NS
Benzo(g,h,i)perviene	0.14 J	25	ND(0.88)	22	NS	0.27 J	ND(0.38)	NS
Benzo(k)fluoranthene	ND(0.48)	35	ND(0.88)	26	NS	0.31 J	ND(0.38)	NS
Chrysene	0.28 J	43	0.34 J	40	NS	0.39 J	0.088 J	NS
Dibenzo(a,h)anthracene	ND(0.98)	6.2 J	ND(1.8)	40 ND(10)	NS	ND(1.1)	ND(0.76)	NS
	ND(0.48)	ND(5.5)	ND(0.88)	ND(5.0)	NS	ND(0.53)	ND(0.38)	NS
Dibenzofuran	0.56	71	0.59 J	76	NS	0.29 J	0.082 J	NS
Fluoranthene				64	NS	ND(0.53)	ND(0.38)	NS
Fluorene	ND(0.48)	ND(5.5)	ND(0.88)			ND(0.33)	ND(0.38)	NS
Indeno(1,2,3-cd)pyrene	0.12 J	25	ND(1.8)	13	NS			NS
Naphthalene	ND(0.48)	ND(5.5)	ND(0.88)	880	NS	ND(0.53)	ND(0.38)	NS
Phenanthrene	0.52	2.3 J	0.44 J	280	NS NS	0.26 J 0.81	ND(0.38)	NS NS
Pyrene	0.52	76	0.53 J	230	NS	0.81	0.10 J	183
Furans								NC
2.3,7,8-TCDF	0.000038	0.000032	0.00013	ND(0.000062)	NS	0.0000087	ND(0 000010)	NS
TCDFs (total)	0.000033	0.00034	0.0010	ND(0.000062)	NS	0.000121	ND(0.000010)	NS
1.2.3.7,8-PeCDF	0.0000013 J**	0.000012	0.000031	ND(0.000059)	NS	0.0000038	ND(0.000020)	NS
2,3,4,7,8-PeCDF	0.0000024	0.00018	0.000049	ND(0.000058)	NS	0.000035	ND(0.000019)	NS
PeCDFs (total)	0.000024	0.0016 Q	0.00055 Q	ND(0.000058)	NS	0.00052	0.000042	NS
1,2,3,4,7,8-HxCDF	0 0000026	0.000017	0.000022	ND(0.000054)	NS	0.0000076 w	ND(0.00018)	NS
1,2,3,6,7,8-HxCDF	0.0000013 J**	0 000030	0.000016	ND(0.000050)	NS	0.000016	ND(0.00017)	NS
1,2,3,7.8,9-HxCDF	0.00000037 J**	0.0000078	0.0000038	ND(0.000059)	NS	ND(0.0000033)	ND(0.00020)	NS
2,3,4,6,7,8-HxCDF	0.0000016 J**	0.000089	0.000026	ND(0.000055)	NS	0.000063	ND(0.00018)	NS
HxCDFs (total)	0.000023	0.0011	0.00035	ND(0.000054)	NS	0.00086	0.000066	NS
1.2.3.4.6.7.8-HpCDF	ND(0.0000056)	0.000041	0.000042	ND(0.000092)	NS	0.000059	0.000021 J	NS
1,2,3,4,7,8,9-HpCDF	0.00000098 J**	0 0000054	0.0000050	ND(0.00011)	NS	0 0000052	ND(0.000053)	NS
HpCDFs (total)	0.000012	0.00011	0.000091	ND(0.00010)	NS	0.00017	0.000021	NS
OCDF	0.000011	0.000030	0.000032	ND(0.00011)	NS	0.000016	ND(0.000023)	NS
Total Furans	0.00010	0.0032	0.0020	ND(0.00011)	NS	0.0017	0.00013	NS
Dioxins								
2,3,7,8-TCDD	ND(0.00000095)	0.00000055 w	0.0000011	ND(0 000084)	NS	0.0000083	ND(0.000016)	NS
TCDDs (total)	0.0000030	0 0000012	0.000023	ND(0.000084)	NS	0.0000083	ND(0.000016)	NS
1,2,3,7,8-PeCDD	ND(0.000000070)	0.0000019 J**	0.0000018 J**	ND(0.000080)	NS	0 0000011 w	ND(0 000026)	NS
PeCDDs (total)	ND(0.0000082)	0.000022 Q	0.000026 Q	ND(0.000080)	NS	0.000023	ND(0.000026)	NS
1,2,3,4,7,8-HxCDD	ND(0.00000097)	0.0000014 J**	0.00000086 J**	ND(0.000064)	NS	0.00000071 J**	ND(0.000014)	NS
1,2,3,6,7,8-HxCDD	0.00000026	0.0000035 w	0.0000018 J**	ND(0.000063)	NS	0.00000098 w	ND(0.000014)	NS
1,2,3,7,8,9-HxCDD	0.00000011 w	0.0000020 J**	0.0000011 J**	ND(0 000058)	NS	0 00000071 J**	ND(0.000013)	NS
	0.0000011	0.0000203	0.000020	ND(0.000062)	NS	0.000031	ND(0.000014)	NS
HxCDDs (total)	ND(0.0000025)	0.000029	0.000017	ND(0.000077)	NS	0.000011	ND(0.000023)	NS
1,2,3,4,6,7,8-HpCDD		0.000029	0.000036	ND(0.000077)	NS	0.000022	ND(0.000023)	NS
HpCDDs (total)	0.0000063		0.000094	ND(0.00012)	NS	0.000022	ND(0.000025)	NS
OCDD Total Dioxins	ND(0.000014) 0.0000078	0.00017	0.00030	ND(0.00012)	NS	0.00013	ND(0.000026)	NS

#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

## FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX+3 CONSTITUENTS

Location:	ADJACENT TO FUTURE CITY RECREATIONAL AREA											
Sample ID:	RAA4-10	RAA4-13	RAA4-15	RAA4-16	RAA4-16	RAA4-17	RAA4-18	RAA4-18				
Sample Depth(Feet):	0-1	0-1	0-1	6-15	12-14	0-1	1-6	4-6				
Parameter Date Collected:	01/30/01	01/30/01	01/30/01	01/24/01	01/24/01	01/29/01	01/29/01	01/29/01				
Inorganics												
Arsenic	ND(15.0)	ND(25.0)	ND(15.0)	ND(15.0)	NS	ND(24.0)	ND(15.0)	NS				
Barium	97.0	ND(50.0)	38.0	36.0	NS	ND(48.0)	32.0	NS				
Beryllium	0.330	0.310	0 340	0.350	NS	0.430	0,290	NS				
Chromium	15.0	11.0	16.0	9.80	NS	11.0	7.30	NS				
Cobalt	16.0	ND(12.0)	14.0	16.0	NS	ND(12.0)	9.80	NS				
Copper	78.0	35.0	41.0	36.0	NS	33.0	ND(17.0)	NS				
Cyanide	ND(1.00)	ND(1.00)	ND(1.00)	79.0	NS	ND(1.00)	ND(1.00)	NS				
Lead	76.0	37.0	46.0	13.0 J	NS	28.0	12.0	NS				
Mercury	ND(0.290)	ND(0.330)	ND(0.280)	ND(0.260)	NS	ND(0.320)	ND(0 230)	NS				
Nickel	30.0	20.0	25.0	27.0	NS	21.0	15.0	NS				
Sulfide	25.0	ND(8.30)	ND(6.90)	1600 J	NS	23.0	13.0	NS				
Thallium	2.30	ND(2.50)	ND(2.10)	ND(2.00)	NS	ND(2.40)	ND(1.70)	NS				
Vanadium	16.0	14.0	14.0	12.0	NS	16.0	ND(8.50)	NS				
Zinc	160	67.0	95.0	52.0 J	NS	63.0	48.0	NS				

#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

## FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX+3 CONSTITUENTS

RAA4-19 0-1 01/29/01 D(0.0072) D(0.0072) D(0.0072) D(0.0072) D(0.0072) D(0.0072) ID(0.0072) ID(0.0072) ID(0.0072) ID(0.0072) ID(0.0072) ID(0.0072) ID(0.0072) ID(0.0072) ID(0.0072) O.57 O.58 VD(0.48) O.52 O.47 J O.61 ND(0.97) ND(0.48) I O	RAA4-19 1-6 01/29/01 NS NS NS NS NS NS NS NS NS ND(0.36) ND(0.3	RAA4-19 3-4 01/29/01 ND(0.0054) ND(0.0054) ND(0.0054) ND(0.0054) ND(0.0011) NS NS NS NS NS NS NS NS NS NS NS	NT TO FUTUF RAA4-21 6-15 01/29/01 NS NS NS NS NS NS ND(0.55) ND(0.55) ND(0.55) ND(0.55) ND(0.55) ND(0.55)	RAA4-21 12-14 01/29/01 ND(0.0083)	RAA4-22 1-6 01/31/01 NS NS NS NS NS NS NS NS NS NS	RAA4-22 4-6 01/31/01 ND(0.0068) NS NS	X-16 6-15 01/31/01 NS NS NS NS NS NS NS NS NS NS	X-18 6-15 02/01/01 NS NS NS NS NS NS NS NS
01/29/01 D(0.0072) D(0.0072) D(0.0072) D(0.0072) D(0.0072) D(0.0072) ID(0.014) 0.097 J ND(0.48) 0.20 J 0.17 J 0.57 0.58 ND(0.48) 0.52 0.47 J 0.61 ND(0.97) ND(0.48)	01/29/01 NS NS NS NS NS NS ND(0.36) ND	01/29/01 ND(0 0054) ND(0 0054) ND(0 0054) ND(0 0054) ND(0 0054) ND(0 0011) NS NS NS NS NS NS NS NS NS	01/29/01 NS NS NS NS NS ND(0.55) ND(0.55) ND(0.55) ND(0.55) ND(0.55) ND(0.55)	01/29/01 ND(0.0083) ND(0.0083) ND(0.0083) ND(0.0083) ND(0.0083) ND(0.0083) ND(0.0083) ND(0.0083) ND(0.0083) ND(0.0083) ND(0.0083)	01/31/01 NS NS NS NS NS ND(0.54) ND(0.54) ND(0.54)	01/31/01 ND(0.0068) NS	01/31/01 NS NS NS NS NS NS NS NS NS	02/01/01 NS NS NS NS NS NS NS NS
D(0 0072) D(0.0072) D(0.0072) D(0.0072) D(0.0072) D(0.014) 0.097 J ND(0.48) 0.20 J 0.17 J 0.57 0.58 ND(0.48) 0.52 0.47 J 0.61 ND(0.97) ND(0.48)	NS NS NS NS NS NS ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36)	ND(0.0054) ND(0.0054) ND(0.0054) ND(0.0054) ND(0.0054) ND(0.011) NS NS NS NS NS NS NS NS NS	NS NS NS NS NS ND(0.55) ND(0.55) ND(0.55) ND(0.55) ND(0.55) ND(0.55)	ND(0 0083) ND(0 0083)	NS NS NS NS NS ND(0.54) ND(0.54) ND(0.54)	ND(0.0068) ND(0.0068) ND(0.0068) ND(0.0068) ND(0.0068) ND(0.0068) ND(0.0068) ND(0.0068) ND(0.0068) NS NS	NS NS NS NS NS NS NS NS NS	NS NS NS NS NS NS NS
D(0.0072) D(0.0072) D(0.0072) D(0.0072) D(0.0072) D(0.014) D(0.014) 0.097 J ND(0.48) 0.20 J 0.17 J 0.57 0.58 ND(0.48) 0.52 0.47 J 0.61 ND(0.97) ND(0.48)	NS NS NS NS ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36)	ND(0 0054) ND(0 0054) ND(0 0054) ND(0 0054) ND(0 0011) NS NS NS NS NS NS NS NS	NS NS NS NS ND(0.55) ND(0.55) ND(0.55) ND(0.55) ND(0.55) ND(0.55)	ND(0.0083) ND(0.0083) ND(0.0083) ND(0.0083) ND(0.0083) ND(0.0083) ND(0.0083) NS NS NS	NS NS NS NS ND(0.54) ND(0.54) ND(0.54)	ND(0 0068) ND(0 0068) ND(0 0068) ND(0 0068) ND(0 0068) ND(0 0068) NS NS	NS NS NS NS NS NS NS NS	NS NS NS NS NS NS NS
D(0.0072) D(0.0072) D(0.0072) D(0.0072) D(0.0072) D(0.014) D(0.014) 0.097 J ND(0.48) 0.20 J 0.17 J 0.57 0.58 ND(0.48) 0.52 0.47 J 0.61 ND(0.97) ND(0.48)	NS NS NS NS ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36)	ND(0 0054) ND(0 0054) ND(0 0054) ND(0 0054) ND(0 0011) NS NS NS NS NS NS NS NS	NS NS NS NS ND(0.55) ND(0.55) ND(0.55) ND(0.55) ND(0.55) ND(0.55)	ND(0.0083) ND(0.0083) ND(0.0083) ND(0.0083) ND(0.0083) ND(0.0083) ND(0.0083) NS NS NS	NS NS NS NS ND(0.54) ND(0.54) ND(0.54)	ND(0 0068) ND(0 0068) ND(0 0068) ND(0 0068) ND(0 0068) ND(0 0068) NS NS	NS NS NS NS NS NS NS NS	NS NS NS NS NS NS NS
D(0.0072) D(0.0072) D(0.0072) D(0.0072) D(0.0072) D(0.014) D(0.014) 0.097 J ND(0.48) 0.20 J 0.17 J 0.57 0.58 ND(0.48) 0.52 0.47 J 0.61 ND(0.97) ND(0.48)	NS NS NS NS ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36)	ND(0.0054) ND(0.0054) ND(0.0054) ND(0.011) NS NS NS NS NS NS NS NS	NS NS NS NS ND(0.55) ND(0.55) ND(0.55) ND(0.55) ND(0.55) ND(0.55)	ND(0 0083) ND(0 0083) ND(0 0083) ND(0 0083) ND(0 0083) NS NS NS	NS NS NS ND(0.54) ND(0.54) ND(0.54)	ND(0.0068) ND(0.0068) ND(0.0068) ND(0.0068) ND(0.0068) NS NS NS	NS NS NS NS NS NS NS	NS NS NS NS NS
D(0.0072) D(0.0072) D(0.0072) D(0.0072) D(0.014) D(0.014) 0.097 J ND(0.48) 0.20 J 0.17 J 0.57 0.58 ND(0.48) 0.52 0.47 J 0.61 ND(0.97) ND(0.48)	NS NS NS ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36)	ND(0.0054) ND(0.0054) ND(0.0054) ND(0.011) NS NS NS NS NS NS NS NS	NS NS NS ND(0.55) ND(0.55) ND(0.55) ND(0.55) ND(0.55) ND(0.55)	ND(0 0083) ND(0 0083) ND(0 0083) ND(0 0083) ND(0 0083) NS NS NS	NS NS NS ND(0.54) ND(0.54) ND(0.54)	ND(0.0068) ND(0.0068) ND(0.0068) NS NS NS	NS NS NS NS NS NS	NS NS NS NS NS
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D(0.0072) JD(0.014) 0.097 J ND(0.48) 0.20 J 0.17 J 0.57 0.58 ND(0.48) 0.52 0.47 J 0.61 ND(0.97) ND(0.48)	NS NS ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36) ND(0.36)	ND(0.0054) ND(0.011) NS NS NS NS NS NS NS	NS NS ND(0.55) ND(0.55) ND(0.55) ND(0.55) ND(0.55) ND(0.55)	ND(0.0083) ND(0.0083) NS NS NS	NS NS ND(0.54) ND(0.54) ND(0.54)	ND(0.0068) ND(0.0068) NS NS NS	NS NS NS NS NS	NS NS NS
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    D00012         ND(0.0000087)         NS         ND(0.000012)         NS           D00012         ND(0.000021)         NS         ND(0.000013)         NS           D00012         ND(0.000022)         NS         ND(0.000013)         NS           D000128         ND(0.000021)         NS         ND(0.000020)         NS           D000039         ND(0.000018)         NS         ND(0.000019)         NS           D000030 w         ND(0.000017)         NS         ND(0.000019)         NS           D000031	D0016 I         ND(0.000011)         NS         ND(0.000014)         NS         ND(0.000014)           000049         ND(0.000015)         NS         ND(0.000017)         NS         ND(0.000020)           000080         ND(0.000015)         NS         ND(0.000017)         NS         ND(0.000020)           00011         ND(0.000015)         NS         ND(0.000017)         NS         ND(0.000020)           000044         ND(0.000094)         NS         ND(0.000012)         NS         ND(0.000021)           000039         ND(0.0000088)         NS         ND(0.000011)         NS         ND(0.000021)           000081**         ND(0.000095)         NS         ND(0.000012)         NS         ND(0.000063)           000012         ND(0.000095)         NS         ND(0.000012)         NS         ND(0.000043)           000012         ND(0.000087)         NS         ND(0.000012)         NS         ND(0.000044)           000012         ND(0.000021)         NS         ND(0.000044)         NS         ND(0.000044)           000028         ND(0.000021)         NS         ND(0.000044)         NS         ND(0.000024)           000029         ND(0.000021)         NS         ND(0.000020)         NS	D00161         ND(0.000011)         NS         ND(0.00014)         NS         ND(0.00014)         NS           0000049         ND(0.000015)         NS         ND(0.000017)         NS         ND(0.000020)         NS           000011         ND(0.000015)         NS         ND(0.000017)         NS         ND(0.000020)         NS           00011         ND(0.000015)         NS         ND(0.000017)         NS         ND(0.000020)         NS           000044         ND(0.000094)         NS         ND(0.000012)         NS         ND(0.000020)         NS           000081**         ND(0.000088)         NS         ND(0.000013)         NS         ND(0.000068)         NS           000011         ND(0.0000095)         NS         ND(0.000012)         NS         ND(0.000068)         NS           000012         ND(0.0000095)         NS         ND(0.000012)         NS         ND(0.000040)         NS           00011         ND(0.0000087)         NS         ND(0.000012)         NS         ND(0.000044)         NS           000012         ND(0.0000027)         NS         ND(0.000013)         NS         ND(0.000044)         NS           000014         J**         ND(0.000027)         NS	D00161         ND(0.000011)         NS         ND(0.000014)         NS         ND(0.000015)           0000049         ND(0.000015)         NS         ND(0.000017)         NS         ND(0.000020)         NS         ND(0.000012)           0000680         ND(0.000015)         NS         ND(0.000017)         NS         ND(0.000020)         NS         ND(0.000012)           00011         ND(0.000015)         NS         ND(0.000017)         NS         ND(0.000020)         NS         ND(0.000012)           000044         ND(0.0000094)         NS         ND(0.000012)         NS         ND(0.000062)         NS         ND(0.000022)           0000039         ND(0.0000094)         NS         ND(0.000012)         NS         ND(0.000063)         NS         ND(0.000023)           000083         NS         ND(0.000012)         NS         ND(0.000063)         NS         ND(0.000023)           000011         ND(0.0000095)         NS         ND(0.000012)         NS         ND(0.000023)         NS         ND(0.000023)           000011         ND(0.0000087)         NS         ND(0.000012)         NS         ND(0.000023)         NS         ND(0.000023)           000014         J**         ND(0.000007)         NS

#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

#### FUTURE CITY RECREATIONAL AREA PRE-DESIGN INVESTIGATION SOIL SAMPLING RESULTS FOR APPENDIX IX+3 CONSTITUENTS

#### (Results are presented in dry weight parts per million, ppm)

	Location:			ADJACE	NT TO FUTUE	RE CITY REC	REATIONAL	AREA		
5	Sample ID:	RAA4-19 0-1	RAA4-19 1-6	RAA4-19 3-4	RAA4-21 6-15	RAA4-21 12-14	RAA4-22 1-6	RAA4-22 4-6	X-16 6-15	X-18 6-15
ameter	Date Collected:	01/29/01	01/29/01	01/29/01	01/29/01	01/29/01	01/31/01	01/31/01	01/31/01	02/01/01
rganics										
enic	1	ND(15.0)	ND(15.0)	NS	ND(25.0)	NS	ND(20.0)	NS	NS	NS
um		53.0	ND(30.0)	NS	76.0	NS	ND(40.0)	NS	NS	NS
llium		0.410	0.250	NS	0.680	NS	0.310	NS	NS	NS
omium		11.0	6.90	NS	17.0	NS	13.0	NS	NS	NS
alt		ND(11.0)	8.20	NS	18.0	NS	16.0	NS	NS	NS
per		54.0	17.0	NS	30.0	NS	32.0	NS	NS	NS
nide		ND(1.00)	ND(1.00)	NS	ND(1.00)	NS	ND(1.00)	NS	NS	NS
d		60.0	8.40	NS	18.0	NS	21.0	NS	NS	NS
curv		ND(0.290)	ND(0.220)	NS	ND(0.330)	NS	ND(0.270)	NS	NS	NS
kel		22.0	14.0	NS	32.0	NS	27.0	NS	NS	NS
ñde		23.0	6.90	NS	16.0	NS	ND(6.80)	NS	NS	NS
llium		ND(2.20)	ND(1.60)	NS	ND(2.50)	NS	ND(2.00)	NS	NS	NS
adium		24.0	ND(8.10)	NS	17.0	NS	11.0	NS	NS	NS
<u>с</u>		86.0	32.0	NS	88.0	NS	75.0	NS	NS	NS

#### Notes:

Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to CT&E Environmental Services, Inc. for analysis of Appendix IX+3 constituents (excluding herbicides and pesticides).

ND - Analyte was not detected. The number in parentheses is the associated quantitation limit for volatiles and semivolatiles and the associated detection limit for other constituents.

NS - Not Sampled - Parameter was not requested on sample chain of custody form.

J - Indicates an estimated value less than the practical quantitation limit (PQL).

J\*\* - Indicates an estimated value between the lower calibration limit and the target detection limit.

Duplicate sample results are presented in brackets.

w - Estimated maximum possible concentration.

I - Polychlorinated Diphenyl Ether (PCDPE) Interference.

Q - Indicates the presence of quantitative interferences

Total dioxins/furans determined as the sum of the total homolog concentrations; non-detect values considered as zero.

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, per technical Attachment F to the SOW.

J - The compound or analyte was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process.

#### GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

## FUTURE CITY RECREATIONAL AREA SUMMARY OF PRIOR SOIL PCB DATA

#### (Results presented in dry weight parts per million, ppm)

Sample-ID	Date Sampled	Depth Interval (feet)	Total PCBs
Sample Locations Wit	hin Limits of Future City Recr	eational Area	
X-17	7/8/91	0-2	ND (0.05) [ND (0.05)]
		2-4	0.16
		4-6	ND (0.05)
		6-8	ND (0.05)
		8-10	ND (0.05)
95-9	3/4/96	0-2	0.31
		2-4	ND (0.042)
		4-6	0.03 J
		6-8	0.013 JP
		8-10	0.018 J
		10-12	0.069
		12-14	ND (0.037)
		14-16	0.069
		16-18	0.045 JP
		18-20	530 P
2025	5/7/91	0-0.5	0.87 (1.0)
2105	9/17/97	0-0.5	9.2
Sample Locations Adi	acent to Future City Recreation	1	
X-16	6/25-7/10/91	0-2	0.07
		2-4	0.6
		4-6	ND (0.05)
		6-8	0.09
		8-10	0.12
		10-12	ND (0.05)
		12-14	0.24
X-18	6/25-7/10/91	0-2	0.64
		2-4	ND (0.05)
		4-6	0.06
		6-8	ND (0.05)
		8-10	0.05
		14-16	ND (0.05) [0.37]
E2SC-5	10/25/98	0-1	1.6
		1-6	0.29
		6-15	0.13
	10/26/98	38-40	ND
	10/26/98	40-42	ND
E2SC-14	10/8/98	0-1	0.6
		1-6	ND
		6-15	ND

#### Notes:

- 1. ND Not detected. Detection limit shown in parentheses.
- 2. Duplicate analyses are shown in brackets.
- 3. J Indicates an estimated value less than the PQL-required quantitation limit.
- 4. P The analyte is detected in the sample. The percent differences in the concentrations calculated from two dissimilar GC columns is greater than 25%. The value should be considered estimated.

## TABLE 4 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

## FUTURE CITY RECREATIONAL AREA SUMMARY OF PRIOR SOIL APPENDIX IX+3 DATA

### (Concentrations are presented in dry weight parts per million, ppm)

			- Ch. N		Sample Locations Adjacent to Future City Recreational Area								
	Sample Loo		of Future City Recrea			1	1	[					
Sample ID:	2028	2105	95-9	X-17	X-16	X-18	E2SC-5	E2SC-5	E2SC-5	E2SC-14	E2SC-14		
Sample Depth (feet):	0-0.5	0-0.5	18-20	0-2	8-10	14-16	6-15	10-12	38-40	6-15	8-10		
Date Collected:	5/7/91	9/17/97	3/4/96	7/8/91	6/25-7/10/91	6/25-7/10/91	10/25/98	10/25/98	10/26/98	10/8/98	10/8/98		
Volatile Organics													
Acetone	0 016 B [0 021 B]	0 024 JB	ND	ND	0 01 J	0 029	NS	0 021	0 0049 J	NŠ	ND		
Benzene	ND [ND]	ND	ND	ND	ND	0 001 J	NS	ND	ND	NS	ND		
Ethylbenzene	ND [ND]	ND	ND	ND	ND	0 003 J	NS	ND	0 024	NS	ND		
Methylene Chloride	0 072 B [0 030 B]	0 022 B	0 009 JB	0 01 JB	0 012 B	0.014 B	NS	ND	ND	NS	ND		
Tetrachloroethene	ND [ND]	ND	ND	ND	ND	ND	NS	ND	0.0012.1	NS	ND		
l'oluene	ND [ND]	ND	ND	ND	ND	ND	NS	ND	0.004 J	NS	ND		
Xylenes (Total)	ND [ND]	ND	ND	ND	ND	ND	NS	ND	0.033	NS	ND		
Semivolatile Organics							<u> </u>						
Acetophenone	ND [0.074]	ND	0 052 J	ND	ND	ND	0.021 J	NS	ND	ND	NS		
Acenaphthene	ND [ND]	ND	ND	ND	ND	9.8	0.1 J	NS	3.5 D	ND	NS		
Acenaphthylene	0 3 I J [0 54]	ND	ND	ND	ND	49	0.84	NS	1.6	ND	NS		
Aniline	ND [0 048 J]	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS		
Anthracene	0 22 J [0.27 J]	ND	ND	ND	ND	4,4	2	NS	24	ND	NS		
Benzo(a)anthracene	0 63 [0 96]	0 090 J	ND	ND	0.053 J	5.2	0.49	NS	14	ND	NS		
Benzo(b)fluoranthene	0 52 [0 81]	0 12 J	ND	ND	0 045 JX	5 2 X	0331	NS	0 87	ND	NS		
Benzo(k)fluoranthene	0,72 [1.2]	0 062 JB	ND	ND	0 045JX	5 2 X	0 16 1	NS	0 38	ND	NS		
Benzoic Acid	0.51.1[0.18.1]	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS		
Benzo(a)pysene	ND [ND]	0 097 1	ND	ND	0 048 }	4.8	0.45	NS	12	ND	NS		
Benzo(g,h,i)perylene	0 44 J [0 61]	0 057 J	ND	NÐ	ND	2.4	0.12 J	NS	0 22 1	ND	NS		
Bis(2-ethylhexyl)phthalate	0 17 J [2.2]	0181	ND	0 088 BJ	0 15 BJ	0 28 BJ	0.17 J	NS	0143	0.28.3	NS		
Chrysene	0 77 [0.96]	0 10 JB	ND	ND	0 063 J	5	0.53	NS	12	ND	NS		
Di-n-Butylphthalate	0.079 J [0 077 J]	ND	ND	ND	ND	ND	ND	NS	ND	0 16 J	NS		
Dibenzo(a,h)anthracene	0 14 J [0 25 J]	ND	ND	ND	ND	0.7 J	ND	NS	0.06.1	ND	NS		
Dibenzofuran	ND [ND]	ND	ND	ND	ND	0.79	0.055.1	NS	0 28 3	ND	NS		
1,2-Dichlorobenzene	ND [ND]	ND	0 048 J	ND	ND	ND	ND	NS	ND	ND	NS		
1,3-Dichlorobenzene	ND [ND]	ND	0 052 J	ND	ND	ND	ND	NS	ND	ND	NS		
1,4 Dichlorobenzene	ND [ND]	ND	0 73	ND	ND	0 62 J	ND	NS	ND	ND	NS		
Fluorene	[[ 1 0 ] 1 [ 1 0 ]	ND	ND	ND	ND	6.6	0 73	NS	2 8 D	ND	NS		
Fluoranthene	0 85 (1 0)	0151	ND	ND	0 091 J	10	1	NS	260	ND	NS		
Indeno(1,2,3-cd)pyrene	0 35 J [0 48]	0 056 1	ND	ND	ND	1.5	013	NS	0 21 J	NÐ	NS		
1-Methylnaphthalene	0 16 1 [0.15 3]	ND	ND	ND	ND	30 D	ND	NS	ND	ND	NS		
2-Methylnaphthalene	0 077 J [0 076 J]	ND	ND	ND	ND	12	0.64	NS	310	ND	NS		
Naphthalene	017J[018]	ND	ND	ND	ND	61 D	0.97	NS	43 D	ND	NS		
Pentachlorobenzene	ND [ND]	ND	031	ND	ND	ND	ND	NS	ND	ND	NS		
Phenanthrene	0 89 [0 92]	0 068 J	ND	ND	0 052 J	32 D	2.8	NS	910	ND	NS		
Phenol	0 069 J [0 066 J]	ND	ND	ND	ND	ND	ND	NS	ND	ND	NS		
Pyrene	11[13]	0 15 3	ND	ND	0181	21 D	15	NS	45D	NU	NS		
1,2,4-Trichlorobenzene	ND [ND]	NÐ	31	ND	ND	ND	ND	NS	ND	ND	NS		
1,2,4,5-Tetrachiorobenzene	ND [ND]	NÐ	0 23 J	ND	ND	ND	NU	NS	ND	ND	NS		
Total Phenols	0 23 [0 21]	NS	ND	ND	ND	ND	NS	NS	NS	NS	NS		

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## TABLE 4 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

## FUTURE CITY RECREATIONAL AREA SUMMARY OF PRIOR SOIL APPENDIX 1X+3 DATA

#### (Concentrations are presented in dry weight parts per million, ppm)

	Sample Lo	cations Within Limits	of Future City Recreat	lional Area			Sample Locations /	Adjacent to Future Cit			
Sample ID:	202S	2105	95-9	X-17	X-16	X-18	E2SC-5	E2SC-5	E2SC-5	E2SC-14	E2SC-14
Sample Depth (feet):	0-0.5	0-0.5	18-20	0-2	8-10	14-16	6-15	10-12	38-40	6-15	8-10
Date Collected:	5/7/91	9/17/97	3/4/96	7/8/91	6/25-7/10/91	6/25-7/10/91	10/25/98	10/25/98	10/26/98	10/8/98	10/8/98
Pesticides/Herbicides						• ·			1		
2,4,5-T	NS	NS	NS	ND	0 07	• ND	NS	NS	NS	NS	NS
2,4·D	NS	NS	NS	ND	0.28	· ND	NS	NS	NS	NS	NS
2,4,5-TP (Silvex)	NS	NS	NS	ND	0 072	ND	NS	NS	NS	NS	NS
Furans	L			·			<u> </u>		<b></b>		
2,3,7,8-TCDF	0 00042 [ND]	0 000015 g	ND	••	**	••	0 000000033 g	NS	ND	ND	NS
TCDFs (total)	0 00098 [ND]	0.00015	ND	••	**	••	0.00000016	NS	ND	ND	NS
1,2,3,7,8-PeCDF	ND [ND]	0 0000070	ND	••		••	ND	NS	ND	ND	NS
2,3,4,7,8-PeCDF	ND [ND]	0.000018	ND	++	**	**	ND	NS	ND	ND	NS
PeCDFs (total)	0 00088 [ND]	0 00089	ND	**	**	••	0.00000014	NS	ND	ND	NS
1,2,3,4,7,8-HxCDF	ND [ND]	0 000049	ND	++	**	••	ND	NS	ND	ND	NS
1,2,3,6,7,8-HxCDF	ND [ND]	ND v	ND	**	**	••	ND	NS	ND	ND	NS
2,3,4,6,7,8-HxCDF	ND (ND)	0.000056	ND	**	**	**	ND	NS	ND	ND	NS
HxCDFs (total)	0 00097 [0 0004]	0.000\$2	ND	**	**	**	4 8E-09	NS	ND	ND	NS
1,2,3,4,6,7,8-HpCDF	ND (ND)	0.00020	ND	•+	••	**	ND	NS	ND	ND	NS
1,2,3,4,7,8,9-HpCDF	ND [ND]	0.000032	ND	**	••	**	ND	NS	ND	ND	NS
HpCDFs (total)	0 00096 [0.00054]	0.00052	ND	**	**	**	ND	NS	ND	ND	NS
OCDF	0 00032 [ND]	0.000084	ND	**	**	**	ND	NS	ND	ND	NS
Total Furans	0 00411 [0 00094]	0.002164	ND	••	**	**	0 00000035	NS	ND	ND	NS
Diaxins											
2,3,7,8-ICDD	ND [ND]	0 00000090 J	NS	**	••	++	ND	NS	ND	ND	NS
TCDDs (total)	ND [ND]	0.000012	ND	••	**	••	ND	NS	ND	ND	NS
PeCDDs (total)	ND [ND]	0 000029	NS	••	**	••	ND	NS	ND	ND	NS
HxCDDs (total)	ND [ND]	0.000180	ND	••	••	••	ND	NS	ND	ND	NS
1,2,3,4,6,7,8-HpCDD	ND [ND]	0.000081	ND	**	••	••	ND	NS	ND	ND	NS
HpCDDs (total)	0 00011 [ND]	0 00017	ND	••	••	••	ND	NS	ND	ND	NS
OCDD	0 00098 [0 00066]	0 00033	ND	••	••	••	ND	NS	ND	NÐ	NS
Total Dioxins	0 00109 [0 00066]	0 000721	ND		••	**	ND	NS	ND	ND	NS
Total TEQs (WHO TEFs)	NC	NC	NC	**	••	**	NC	NS	NC	NC	NS
Inorganics				r		,	-				
Aluminum	9210 [6220]	NS	NS	13,400	17,300	13,400	NS	NS	NS	NS	NS
Antimony	NDN [NDN]	0 60 N	ND	ND N	ND N	NDN	0 29 J*	NS	ND	0113*	NS
Arsenic	ND WNL [4 6 NL]	73	63	119N	9.3 N	3.6 N	75	NS	3	7.4	NS
Barium	48.6 [51.1]	134	16 7 J*	26 4	91.2	26.6	35 3	NS	831*	24.6	NS
Beryllium	0 32 J* [0 21 J*]	0 26 J*	0 04 J*	0.22 J*	0.68	0 23 J*	0 37 5*	NS	0.065.J*	0.28.1*	NS
Cadmium	ND [ND]	0 78 J*	ND	ND	ND ·	ND	0 29 1*	NS	0 18 J*	•1 000 0	NS
Calciom	10,500 (7,310)	NS	NS	1,400 EL	6,730 EL	5,910 EL	NS	NS	NS	NS	NS
Chromium	22 2 [13 7]	179	8.5	13	181	81	10.9	NS	38	[] 8	NS
Cobalt	10.2 [6.5]	NS	117	13 7	162	6	12.8	NS	421*	13.4	NS
Copper	30 4 [22 7]	38 2 E	27.9	35 L	22.9 L	9.1 L	17.3	NS	86	19.2	NS
Iron	19,700 [15,700]	NS	NS	28,200 E	39,400 E	28,200 E	NS	NS	NS	NS	NS

## TABLE 4 GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

#### FUTURE CITY RECREATIONAL AREA SUMMARY OF PRIOR SOIL APPENDIX IX+3 DATA

### (Concentrations are presented in dry weight parts per million, ppm)

	Sample Loo	cations Within Limits	of Future City Recrea	itional Area	Sample Locations Adjacent to Future City Recreational Area								
Sample 1D:	2025	2105	95.9	X-17	X-16	X-18	E2SC-5	E2SC-5	E2SC-5	E2SC-14	E28C-14		
Sample Depth (feet):	0-0.5	0-0.5	18-20	0-2	8-10	14-16	6-15	10-12	38-40	6-15	8-10		
Date Collected:	5/7/91	9/17/97	3/4/96	7/8/91	6/25-7/10/91	6/25-7/10/91	10/25/98	10/25/98	10/26/98	10/8/98	10/8/98		
l cad	65 2 [45 0]	33.8 L	7 80	38.9 M	1.8	1.8	10 7	NS	4 2	6.4	NS		
Magnesium	9,050 [5,710]	NS	NS	4,950 L	7,220 L	5,190 L	NS	NS	NS	NS	NS		
Manganese	445 [925]	NS	NS	915	2,040	199	NS	NS	NS	NS	NS		
Mercury	0.2 [0.22]	ND	ND	ND NL	ND NL	ND NL	0.037 J*	NS	0 012 3*	0 012 /*	NS		
Nickel	181[118]	26 9	168	23.1	24 3	10.7	19 2	NS	443*	21	NS		
Potassium	800 [\$47.]*]	NS	NS	335 J*	612 J*	289 J*	NS	NS	NS	NS	NS		
Selenium	ND WNL[ND WNL	13	0 76	ND WN	ND WN	ND WN	ND	NS	ND	ND	NS		
Silver	ND N[ND N]	ND	ND	NDN	NDN	ND N	ND	NS	NÐ	ND	NS		
Sodium	77 9 J* [152 J*]	NS	NS	96 I J*	113 J*	1101.	NS	NS	NS	NS	NS		
Sulfide	ND (ND)	17	ND	ND	ND	ND	ND	NS	ND	ND	NS		
Thallium	ND W[ND W]	NÐ	ND	ND QN	ND QN	ND QN	ND	NS	ND	2.7	NS		
Tin	NS	ND	ND	NS	NS	NS	ND	NS	ND	ND	NS		
Vanadium	18 2 [13 2]	159	4 3	12.4	22	81	12 1	NS	3.1.	10.9	NS		
Zinc	886E(626E)	97 2	48.3	743E	80 2 E	43.2 E	68 5	NS	196	64.9	NS		
Cyanide	1.1 [1.1]	NS	ND	ND	ND	22	NS	NS	NS	NS	NS		

Notes:

1 Samples were analyzed for Appendix IX+3 constituents. Only those constituents detected in at least one sample are shown

2 ND - Analyte was not detected

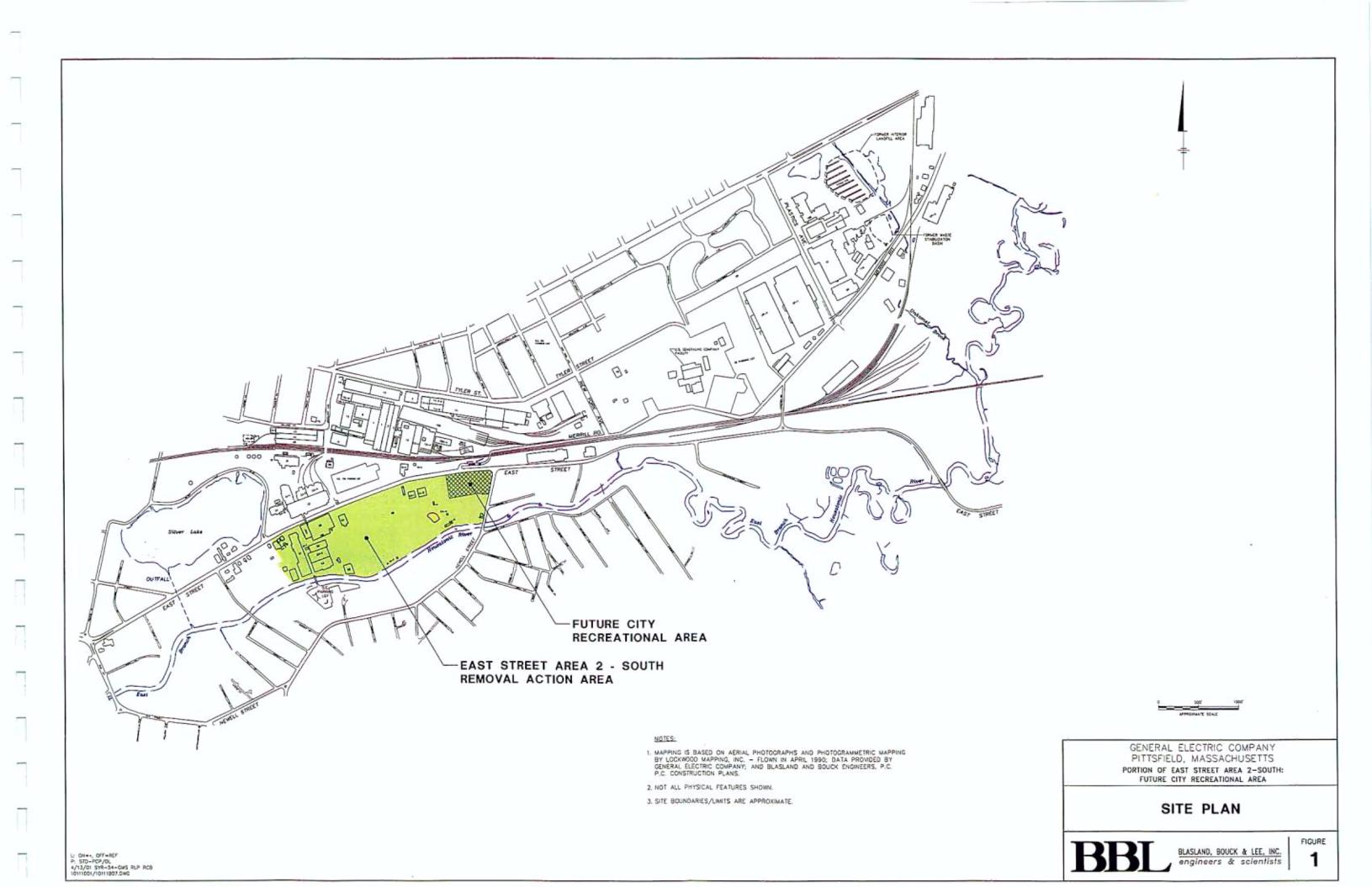
- 3 NS Not Sampled Parameter was not requested on sample chain of custody form
- 4 Duplicate results are presented in brackets
- 5 J Indicates an estimated value less than the PQL-required quantitation limit
- 6 B Indicates the compound was also detected in the associated method blank
- 7 D Indicates that the compound was identified at a secondary dilution factor
- 8 X Indicates that coeluting isomers were noted by the laboratory
- 9 g- 2,3,7,8-TCDF results have been confirmed on a DB-225 column
- 10 v- Indicates an elevated detection limit due to chemical interference
- 11 N Indicates sample matrix spike analysis was outside control limits
- 12 L Indicates laboratory duplicate analysis was outside control limits
- 13 W Indicates sample graphite furnace atomic absorption (GFAA) matrix spike analysis was outside control limits
- 14 E Serial dilution results not within 10%. Applicable only if analyte concentration is at least 50X the IDL in original sample
- 15 Q Indicates sample GFAA post-digestion matrix spike recovery was less than 40% and the sample analysis should be considered an estimated value
- 16 M- Indicates sample analysis was completed by methods of standard addition (MSA)
- 17 J\* The analyte was detected at a concentration above the IDL but below the CRDL
- 18 \*\*The prior samples from borings X-16, X-17, and X-18 were analyzed only for total PCDD/PCDF homologues, not 2,3,7,8-substituted congeners. As a result, the prior PCDD/PCDF data from these borings will not be used in RD/RA evaluations. Additional samples were collected from these three borings during the pre-design investigations and analyzed for PCDDs/PCDFs.
- 19 NC Total toxic equilivalents (TEZs) of 2,3,7,8-TCDD have not been calculated to date for these prior results because the documentation showing the congener-specific detection limits has not yet been obtained. When that documentation is obtained, TEQs will be calculated, using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) (as specified in Technical Attachment F to the SOW), as part of the detailed review of the prior soil analytical data. These TEQs will be presented in the RD/RA Work Plan.

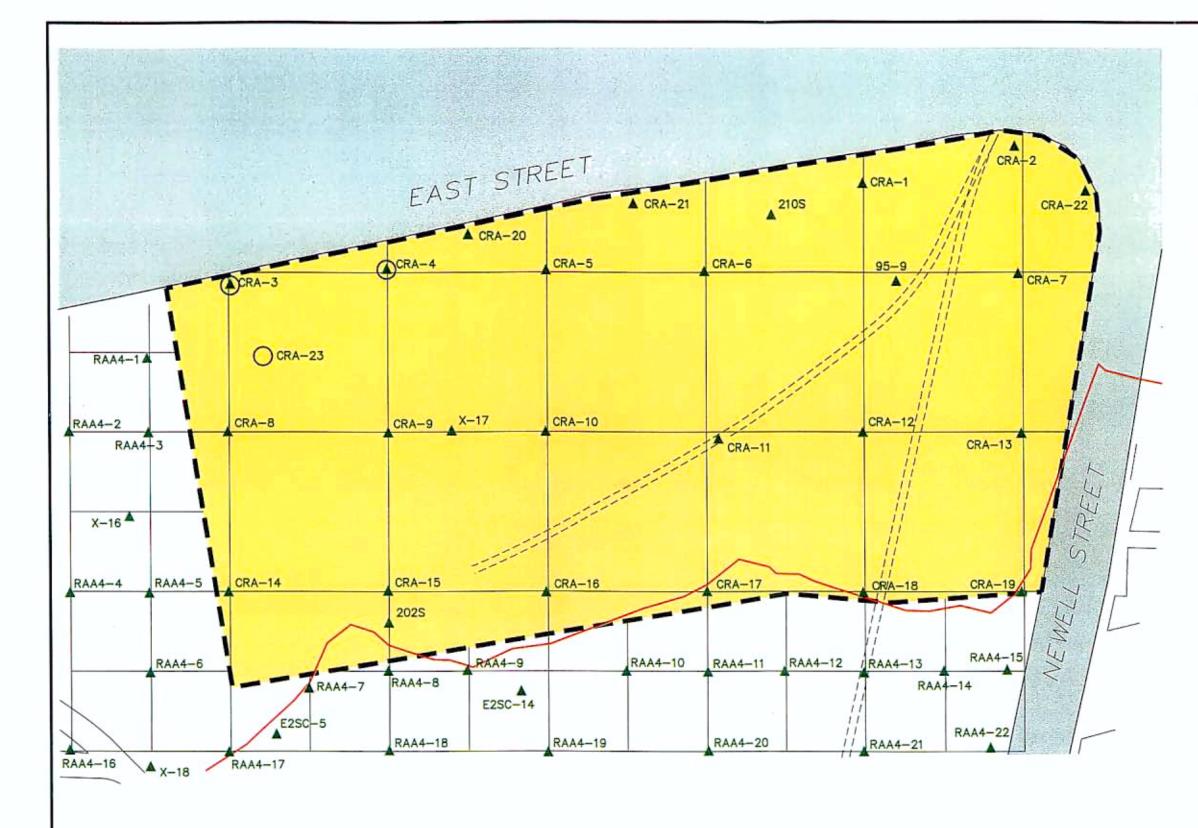
# Figures

## BLASLAND, BOUCK & LEE, INC.

engineers & scientists

A Station State





L: ON=+ OFF=+REF+ P: STD-PCP/8L 4/13/01 SYR-54-DWW NES RC8 10111001/10111806.DWG

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<u></u>	5	с.	14	ν	2



APPROXIMATE 100-YEAR FLOODPLAIN



EXISTING SOIL SAMPLE LOCATION

ADDITIONAL 0-2 FOOT SOIL SAMPLING LOCATION (SEMI-VOLATILE ORGANIC COMPOUNDS)

PAVED AREA

UNPAVED AREA

EXISTING ROAD ALIGNMENT

 -	-	-	-	
О				

- 1. MAPPING IS BASED ON AERIAL PHOTOGRAPHS AND PHOTOGRAMMETRIC MAPPING BY LOCKWOOD MAPPING, INC. -FLOWN IN APRIL 1990.
- 2. NOT ALL PHYSICAL FEATURES SHOWN.
- 3. SITE BOUNDARY IS APPROXIMATE.
- 4. ALL SAMPLING LOCATIONS ARE APPROXIMATE.
- 5. EXTENT OF VARIOUS SURFACE COVERS IS APPROXIMATE.
- 6. 100-YEAR FLOODPLAIN BOUNDARY IS BASED ON ELEVATIONS PUBLISHED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY: "FLOOD INSURANCE STUDY" - CITY OF PITTSFIELD, MASSACHUSETTS" JANUARY 16, 1987; AND "FLOOD INSURANCE RATE MAP - CITY OF PITTSFIELD, MASSACHUSETTS" (PANELS 250037 0010C AND 25037 0020C), FEBRUARY 19, 1982, AND TWO-FOOT CONTOUR TOPOGRAPHIC MAPPING GENERATED PHOTOGRAMETRICALLY IN 1990 AT A BASE SCALE OF 1:2,400.
- LIMITS OF FUTURE MERRILL ROAD/EAST STREET ALIGNMENT ARE BASED ON BASE MAPPING PREPARED BY J.H. MAXYMILIAN, INC. ("JHM FURTHER DELINEATION SAMPLING" DATED 6/15/99).

0	60.	120'
	APPROXIMATE SCAL	E
PITT	RAL ELECTRIC CO SFIELD, MASSACH OF EAST STREET ARE URE CITY RECREATION	USETTS
SOIL S	SAMPLE LO	CATIONS
BBI	BLASLAND, BOUD engineers &	

## Appendix A

BLASLAND, BOUCK & LEE, INC. engineers & scientists

And the second second

Anton London Antonio Contra Soil Boring Logs

Drill Drill Drill Bit 1 Aug Rig	ling C ler's I ling M Size: Jer Si Type	Compa Name Metho 1.5-ind ze: N cze: N	sh: 1/1 any: BE : Jasor d: Direc ch x 4 fe A tor-Mou nod: Mi	3L Gotki tr Pust et nted D	n Direct F	<sup>2</sup> ush R	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Descriptions By: Bob Papalio	Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA					
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	Stratigraphic Description					
							Brown fine to medium SAND.						
	-		0-2	2.0	1.1								
	-	2	2-4		1.3		Fine to medium SAND, some fine to medium Gravel, fron steining slightly cohesive, moist	at 3.7' bgs.	Boring backfilled with Bentonite to grade.				
- 5	-	3	4-5	2.7	1.3								
- 0	-	4	5-6		0 1								
	_	5	6-8		14		Slokendge MARBLE						
	-	6	8-10	1.6	1.3		Dark yellow-brown fine to medium SAND, with fine Gravel presen	t.					
- 10	10	7	10-12		1.2		Fine to medium SAND with trace Gravel.						
		8	12-14	4.0	11		Medium SAND with Clay.						
- 15	15 -	a construction of the second se		a canada da mangana da Angana da Kanada Mangana da Kanada		a na anna an anna an anna an an							
	BLA			3 JUCK		E, INC	Remarks: Analyses: PCBs (0-2, 2-5, 5-14) (no pesticides/herbicides). MS/N (5-14); App IX+3 (5-14).						
	en		ə <del>o</del> r s	& s c	c/er	ntist			Page: 1 of 1				

Dril Dril Dril Bit Aug Rig	lling ( ller's lling I Size: ger Si Type	Compa Name Methor 1.5-ind ize: Na e: Trac	sh; 1/1 any: BE : Jasor d: Direc ch x 4 fe A tor-Mou hod: Ma	3L 1 Gotki It Pusi let nted D	h )irect F		Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Descriptions By: Bob Papallo	Easting: NA Casing Elevation: NAClient: GBorehole Depth: 14' below grade Surface Elevation: NALocation				
рертн	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	. Stratigraphic Description		Boring Construction			
-0-	  	1	0-2	1.8	0.2		Brown fine SAND, some to little fine to medium Gravel, trace Coai					
- <b>B</b>		2	2-4	3.2	0.0		Brown very fine SAND, some to little fine to medium Gravei. Light brown fine to very fine SAND, trace Silt		Boring backfilled with Bentonite to grade			
- 5	5 -	3	4-5 5-6		0.0 0.0	-						
de la companya de la		5	<b>6-8</b> 8-10	2.9	0.0		Light brown fine SAND, some to little rounded fine Gravel, trace Sit	1				
- 10	- 10 -	7	10-12 12-14	3.3	0.0		Fine to coarse SAND, trace fine Gravel and Silt Very fine to fine SAND, trace Silt					
- 15			D, BOI				Remarks: Analyses: PCBs (0-2, 2-5, 5-14); (no pesticides/herbicides).	App IX+3 (2	5)			

Data File:CRA-2.dat

Dri Dri Bit Aug Rig	ller's Iling Size ger S Typ	Name Metho 1.5-ir Size: Noe: Trac	eany: B a: Jasc od: Dire ich x 4 t iA tor-Moi hod: M	in Goti ict Pus ieet unted	sh Direct F		Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Descriptions By: Bob Papallo	Client: Ge	ring ID: CRA-3 ent: General Electric Company cation: Future City Recreational Area East Street Area 2 - South			
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction			
				an a								
<b></b>	- <del>0</del>	1	0-2	1.8	0.5		Brown fine SAND, Roots, black Slag, little to some coarse Sand and	Gravel.	Boring beckfi			
	-	7 2	2-4		87.8				with Bentonit			
- 5	5 -	3	4-5	2.3	62 7							
	-	4	5-6		2011							
	-	5	6-8		6930							
	-	6	8-10	2.7	6555		Olive-gray fine to coarse SAND, slight odor					
-10:	10 -	7	10-12		3099	0.000	Angular GRAVEL, moist, sheen, coal tar odor					
		8	12-14	2.6	2709		Olive-gray fine to coarse SAND, slight odor					
- 15 :	15 -			an o la facto de la contra de la								
	BLA					INC.	Remarks: Analyses: PCBs (0-2, 2-5, 5-14); Aj (no pesticides/herbicides). Duplicat PCBs (5-14); Duplicate ID: CRA-DU	e ID: CRA-D	UP-1:			
		gine )1.11.0	ers 01				rare/Logplot2001/Logfiles/10111/FutureCity.ldf		Page: 1 of			

Data File:CRA-3.dat

Drillin Driller Drillin Bit Siz Auger Rig Ty	ig C 's N ig N ze: ' Siz /pe	Compa Name: Nethod 1.5-ind ze: N/ : Tract	sh: 1/1 any: BB Jasor d: Direc ch x 4 fe A lor-Mou lod: Mi	BL n Gotk ct Pusi et nted D	n )irect F	Push R	ig	Easting: NA Casing Elevation: NA Client: C			D: CRA-4 eneral Electric Company I: Future City Recreational Area East Street Area 2 - South			
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraphic Description	n			Boring Construction		
			0-2	1,5	2.1		Brown fine	e to medium SAND, trace Roots and fine Gr	ave! with stainin	9				
		2	2-4	2.7	1.6			p, no Roots present. p (2'-4'), slight visible black staming				Boring backfilled with Bentonite to grade		
-55	-	3	4-5 5-6		0.8		Brown fine	e SAND, little to some fine to medium Grave						
		5	6-8	1.9	1.3		-	wn fine SAND, trace Silt and fine Gravel e SAND, trace Silt, Clay, and fine Gravel.						
- 10 10	-	6 7	8-10 10-12	2.2	2.2									
- 15 15		8	12-14	4.£	2.2		White LIM very fine \$	MESTONE, little to some brown medium to o Sand	oarse Sand, Iraq	a Sin and				
BL			D, BOL					emarks: Analyses: PCBs (0-2, 2	2-5, 5-14).			n an		

Data File:CRA-4.dat

ALC: NO

mplate: J:/Rockware/Logplot2001/Logfiles/10111/FutureCity.ldf Date: 4/2/01

Dri Dri Dri Bit Au Rig	illing iller's illing Size ger S ger S	Com Nam Meth : 1.5-ii iize: Tra	nish: 1 pany: E e: Jase od: Din nch x 4 NA ctor-Mo thod: M	3BL on Got ect Pu: feet ounted	kowsk sh Direct		Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Ig Descriptions By: Bob Papallo	Client: (	g ID: CRA-5 General Electric Company on: Future City Recreational Area East Street Area 2 - South			
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction			
- <u>0</u>						*****	Light brown fine SAND, trace Organics and Sift		F**€			
	-	<b>4</b>	0-2	1.8	1.2				Boring beckfille			
	_	2	2-4	24	0.6				Borng backfille			
5.		3 4	4-5 5-6		0.0		Brown fine to medium SAND, little to some fine to medium Grave!					
	1	5	6-8		0.5		Light brown medium to coarse SAND, trace Sitt					
		6	8-10	2.3	0.6		Light brown very fine SAND, trace Silt, moist at bottom					
10 2		7	10-12		0.0		Light brown very fine SAND and SILT, moist					
		8	12-14	27	0.0							
151	5 -				<b>1 1 1 1 1 1 1 1 1 1</b>							
		3		3			Remarks: Analyses: PCBs (0-2, 2-5, 5-14); (no pesticides/herbicides).	App IX+3 (0-2	?)			
e roject	ng : 101			k sci	(ent	ists	are/Logplot2001/Logfiles/10111/FutureCity.ldf		Page: 1 of			

Drii Drii Drii Bit Aug Rig	ling ( ler's ling l Size: jer Si Type	Compi Name Vetho 1.5-ini ize: N ize: N	ish: 1/ <sup>/</sup> any: Bi : Jaso d: Dire ch x 4 fi A tor-Mou hod: M	BL n Gotk ct Pusi eet inted D	h Direct F		ig	Easting: NA Casing Elevation: NA Client: (			ent: Ge	ID: CRA-6 General Electric Company on: Future City Recreational Area East Street Area 2 - South		
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PIO Headspace (ppm)	Geologic Column		Stratigraphic	: Description		Boring Construction			
-		1	0-2	1.3	1.4		Dark brov	wn fine SAND, little to some	Organics, trace medium	Sand and Silt	t.			
er er der en er er er der er er er der er er er er der er e		2	2-4	2.7	0.6			wn fine SAND, trace Silt at 3 wn fine SAND.	1° bgs.	na - ar ann an tha - ar ann an				Boring backfilled with Bentonite to grade.
5	5 -	4	4-5 5-6 6-8		1.5									-
- 10	10	6	8-10	2.1	1.6		Light brow	wn fine to medium SAND, tra	ce fine Gravel.					_
and have a market of the contract of the contr		7	10-12	2.0	1.6		Light brow	wn medium Sand, trace Siłt a	ind fine Gravel					
- 15	15 -	<b>L</b> 4			1									
1	····			and generative sectors. All	v			emarks: Analyses: F (no pesticid	2CBs (0-2, 2-5, 5-1 es/herbicides)	(4); App IX	(+3 (2-5	;;)	ма — та талана ала	
Proje			0 <del>0</del> 7 S				ł	plot2001/Logfiles/101	11/FutureCity.ldf					Page: 1 of 1

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Dril Drill Drill Bit S Aug Rig	ling ler's ling Size: er S Typi	Comp Name Methe 1.5-ir ize: N e: Trac	hish: 1 bany: E b: Jaso bd: Dird bch x 4 IA ctor-Mo ctor-Mo chod: M	BBL on Gol ect Pu feet unted	kowsk sh Direct		٦ig	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Descriptions By: Bob Papallo	Client: C	ID:CRA-7 General Electric Company n: Future City Recreational Area East Street Area 2 - South
ОЕРТН	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraphic Description		Boring Construction
66		1	0-2	1.6	0.5		Dark brow graded.	n fine SAND, PEAT, Organics, trace medium to coarsi	e Sand, we'l	
	+	2	2-4	2.5	0.2			SAND and SILT. n fine to medium SAND, trace Silt.		Boring backfilled with Bentonite to grade.
55	+	4	4-5 5-6	-	0.0					
		5	6-8	2.0	0.6		Light brown	n fine to medium SAND, trace coarse Sand.		
10 10		6	8-10		0.4					
		7	10-12	2.4	0.5			fine to coarse SAND		
		8	12-14	<b>•</b> · <b>·</b>	0.2		Light brown	tine SAND.		
15 15	5	97999 010 0.0. National sector of the sector								
BL	ASL	3 AND	J. BOU	З Ск 8		INC.	Rem	narks: Analyses: PCBs (0-2, 2-5, 5-14); (no pesticides/herbicides). Duplic (5-14). MS/MSD collected for PC	cate ID: CRA-E	
		.11.00	ers & N	****			/are/Logol	ot2001/Logfiles/10111/FutureCity.ldf		Page: 1 of 1

Date: 4/2/01

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Dril Dril Dril Bit Aug Rig	ling ( ler's   ling I Size: ler Si Type	Comp Name Metho 1.5-in ze: N c: Trac	ish: 1/2 any: Bl :: Brett id: Dire ch x 4 fi A tor-Mou hod: M	BL Kamie ct Pus eet inted [	h Direct l	Push R	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Descriptions By: Bob Papallo	Client: G	D:CRA-8 Seneral Electric Company n: Future City Recreational Area East Street Area 2 - South
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
-				a standa fi banda manunda statu pontu kuta ya manga kuta mata mata mata mata mata mata mata m					
	-	1	0-2	1.4	0.6		Dark brown fine SAND with Organics, frazen Brown to light brown fine to medium SAND, trace medium to coars	e Grave!	
		2	2-4		0.2		Light brown medium SAND, little to some fine to medium Gravel		Boring backfilled with Bentonite to grade.
-5.		3	4-5	2.1	0.0		Light brown medium to coarse SAND, little to some fine Grave!	Gravel	
	-	<b>4</b> 5	5-6 6-8		0.2		Olive-gray fine SAND and SILT, with trace coarse Sand		
		6	8-10	2.1	0.0		Light brown to reddish-brown fine SAND, moist		
- 10 :		7	10-12	28	0.0		Reddish-brown fine SAND, trace light brown fine SAND		
		8	12-14		0.5			00093	
- 15 1	15 -			A MARINA A M	n di kunomen menerati na kanala dan kanala kanala na menerati kanala				
4	∍ng		D, BOL	& s c	løn	tists	Remarks: Analyses: PCBs (0-2, 2-5, 5-14); (no pesticides/herbicides). vare/Logplot2001/Logfiles/10111/FutureCity.ldf	Арр IX+3 (2-	.5) Page: 1 of 1

1 AL

Dril Dril Dril Bit Aug Rig	ling ( ler's ling   Size: jer Si Type	Comp Name Metho 1.5-in ize: N e: Trac	ish: 1/2 any: Bl :: Brett d: Dire- ch x 4 fe A :tor-Mou hod: M	BL Kamie ct Pus eet inted D	h Direct I	Push R	ig	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Descriptions By: Bob Papallo		D: CRA-9 eneral Electric Company :: Future City Recreational Area East Street Area 2 - South
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraphic Description		Boring Construction
	  		0-2	1.5	0.7			e SAND, some Organics, frozen dark brown fine SAND, trace Organics		
and a second		2	2-4	2.7	0.4		Brown find	e SAND, trace Silt and fine Grave: m fine SAND and SILT, trace medium Gravei and Limesto	ne	Boring backfilled with Bentonite to grade
-5.	5 -	4	4-5 5-6		0.5			m fine SAND and SILT. m to olive SILT and fine SAND, trace little Gravel, moist.		
	-	5	6-8 8-10	1.85	0.4		Light brow	in to brown fine SAND, little to some fine to medium Grave	I.	
- 10 .	10 -	7	10-12		0.6		Light brow	m fine SAND, little to some olive-gray Silt, very moist.		
		8	12-14	31	0.9		Reddish-t	rown to gray fine to medium SAND.		
- 15 .	15 -									_
	өлс			& s c	ien	tists	,	marks: Analyses: PCBs (0-2, 2-5, 5-14); A (no pesticides/herbicides). plot2001/Logfiles/10111/FutureCity.ldf	ърр IX+3 (5-	14) Page: 1 of 1

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Drill Drill Drill Bit S Aug Rig	ling ( ler's ling ( Size: ler Si Type	Comp Name Metho 1.5-ir ize: N e: Trac	nish: 1) bany: E e: Bret bd: Dire tod: Dire tod: Dire tod: N tod: N	IBL t Kam tect Pu feet unted	ienski sh Direct	Push F	₹ig	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Descriptions By: Bob Papallo	Client: C	ID:CRA-10 General Electric Company n: Future City Recreational Area East Street Area 2 - South
ОЕРТН	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraphic Description		Boring Construction
66		1	0-2	1.5	0.1			n fine SAND, Grass, Roots, and Organics, frozen		
	+	2	2-4		0.0			n to brown fine SAND, little to some small Cobbles, tra SAND, little to some Organics, trace fine to medium C		Boring backfilled with Bentonite to grade
-55	+	3	4-5 5-6	2.5	0.0 0.0			n fine to medium SAND, trace coarse Grave!		
		5	6-8	2.6	0.0			dium SAND, small Cobble and trace fron.		
10 1		5	8-10		0.0		Paddiah br	own very fine SAND		
		7	10-12	3.4	0.0					
	- 6	3	12-14		0.3		Reddish-bro	own very fine to fine SAND		
15 13	5 -									-
	ngi	ne	), BOU	k sc	ien	tists		narks: Analyses: PCBs (0-2, 2-5, 5-14); (no pesticides/herbicides). ot2001/Logfiles/10111/FutureCity.ldf	Арр IX+3 (2-5	5)

Date: 4/3/01

ALC: NO

Drilli Bit S Auge Rig T	ng M ize: er Si: 'ype	Aetho 1.5-in ze: N : Trac	e: Brett od: Dire ch x 4 f IA ctor-Mot hod: M	ict Pus leet unted [	h Direct F	<sup>2</sup> ush R	Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Descriptions By: Bob Papallo	Location:	neral Electric Company Future City Recreational Area East Street Area 2 - South
ОЕРТН	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
-00-						~~~	Dark brown to black fine SAND, some Silt and Gravel		
	-	1	0-2	1,1	0.0	- <u>-</u> -	Reddish brown Silty fine SAND, little medium Sand, trace R	pots, moist, loose	
		2	2-4		0.0				with Bentonite
	+	3	4-5	24	0.0		Brown SILT, little fine Sand, trace Clay.		
55		4	5-6		0.0		Fine to coarse SAND, some Silt, little fine rounded Gravei.		
		5	6-8		00		Brown to light brown fine to medium SAND, trace Cosi.		
10 20	- 6	5	8-10	1.5	0.0		Brown SAND, trace Coal, Brick, and Sitt		
	- 7		10-12	2.7	0.0		Brown to light brown fine SAND. little to some fine to medium	Gravel	
	- 8		12-14		0.0		Tan very fine to medium SAND		
15 15	-	n Miron de la compañsión com a sua como esta como e			s annorgi and sign best were seen a				
BU	ASL	3 AND	J. BOU	3 CK &		INC.	Remarks: Analyses: PCBs (0-2, 2-5, 5- (no pesticides/herbicides). Di (2-5). MS/MSD collected for	plicate ID: CRA-DU	P-1: PCBs

Dril Dril Dril Bit Aug Rig	ling ler's ling Size: jer S Typi	Comp Name Metho : 1.5-in ize: N e: Trac	iish: 1/ pany: B e: Brett od: Dire och x 4 f lA ctor-Moi hod: M	BL Kamin Inted I	sh Direct	Push R	Rig	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Descriptions By: Bob Papallo	Client: G	D: CRA-12 General Electric Company n: Future City Recreational Area East Street Area 2 - South
ОЕРТН	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraphic Description		Boring Construction
	 	non e contra de la contra documente de la contra de la cont					Brown Sitt	y SAND to fine SAND, LOAM, little medium Sand and S		PG#34
	-	1	0-2	2.0	0.1	-++++++++++++++++++++++++++++++++++++++			ла.	
	_	2	2-4		0.0		Brown fine	e to medium SAND, little coarse Sand, moist	n <del>g kalantan milin</del> gka kulong	Boring backfilled with Bentonite to grade
-5 5	5 -	3	4-5	26	0.0		Brown med	dium to coarse SAND, little to some fine to medium roui	nded Gravel.	
-	-	4	5-6		0.0		Brown coar	irse SAND, trace Silt and medium to fine Sand		
	-	5	6-8		0.0	•••				
•	<u> </u>	6	8-10	2.9	0.0		Reddish-br	rown very fine to fine SAND.	****	
- 10 1	-	7	10-12		0.3		Light brown	n coarse SAND, trace fine Sand, well graded.		
•	-	8	12-14	121	01		Light brown	n coarse SAND, little to some fine to medium Gravel		
- 15 1	5 -									
	·	the state of the	D, BOL	a contraction and	And the second second second	the second second second second		<b>marks:</b> Analyses: PCBs (0-2, 2-5, 5-14); (no pesticides/herbicides).	Арр IX+3 (С-	2)

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States

Drill Drill Drill Bit 1 Aug Rig	ling ( ler's ling I Size: jer Si Type	Compa Name Metho 1.5-ind ize: Na e: Trac	sh: 1/2 any: BE : Brett d: Direc ch x 4 fe A tor-Mou nod: Mi	3L Kamie ct Pusl et nted D	h Direct I	Push R	ig	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Descriptions By: Bob Papallo	Client: G	D: CRA-13 eneral Electric C I: Future City Re East Street A	creational Area
ОЕРТН	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraphic Description		ł	pring struction
- 0	 						Dark brow	wn fine SAND trace Roots, light brown fine to medium S	and		
	-	1	0-2	1.5	0.6		Limeston	e and medium Gravel with Coal, frozen			
-	_	2	2-4		0.2		Light brow moist.	wn to olive very fine to fine SAND, trace Sitt from 3 3' - 4	' bgs, very		Boring backfilled with Bentonite to grade
- -		3	4-5	34	0.0		Olive veŋ	y fine SAND, trace Sit, slightly cohesive			
- 5	- כ	4	5-6		0.0						
	_	5	6-8		0.0						
	-	6	8-10	28	0.0		Reddish-I	brown fine to medium SAND, some coarse Sand, well g	raded		
- 10	10 -	7	10-12		0.0		Reddish-	brown to brown coarse SAND, little to some medium to	coarse Gravel		-
	-	8	12-14	1.5	0.0						
15	15 -	and a second			and the second se						-
			D, BOI				,	emarks: Analyses: PCBs (0-2, 2-5, 5-14) (no pesticides/herbicides).	); App IX+3 (5	-14)	
L		01.11.0						gplot2001/Logfiles/10111/FutureCity.ldf			Page: 1 of 1

Sec.

Dril Dril Bit Aug Rig	ller's ling l Size: ger Si Type	Name Metho 1.5-in ize: N e: Trac	any: Bi ; Jaso d: Dire ch x 4 fi A tor-Mot hod: M	n Gotk ct Pus eet inted [	h Direct P	Push Rig	Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Descriptions By: Bob Papallo		eneral Electric Company :: Future City Recreational Area East Street Area 2 - South
ОЕРТН	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
	 -						rk brown fine SAND, some Organics, frozen.		
		7	0-2	1.7	0.8		ICK, small COBBLES, and fine to medium SAND		
	_	2	2-4		0.2	В	wn to light brown fine SAND, trace fine Gravel ht brown fine SAND, little coarse Sand, moderately graded		Boring back with Benton grade
~ 5.	5 -	3	4-5 5-6	2.3	0.1		ht brown fine SAND, some fine to medium sub-rounded Grave!		
	_	5	6-8		04		ht brown medium to coarse SAND, little to some rounded fine G ce Silt at 7.6' bgs	ravel and	
- 10 :	-	6	8-10	2.0	0.2	R	ddish-brown fine SAND and SILT, trace little to coarse Sand at 7	?.6' bgs.	
. 10 .	10 -	7	10-12		0.0		ve very fine SAND and SILT, trace fine Gravel, moist		
		₿	12-14	23	01		ddish-brown fine to medium SAND, trace fine Gravel ddish-brown coarse SAND, little to some small Cobbles, trace sr	nali Gravei	
- 15 :	25 -		n a far a fa						
	BLAS	3 SLANE			X LEE,	INC.	Remarks: Analyses: PCBs (0-2, 2-5, 5-14); . (no pesticides/herbicides).	4pp IX+3 (0-)	2)

Dril Dril Dril Bit Aug Rig	ling   ler's ling   Size: ler Si Type	Comp Name Metho 1.5-in ize: N ize: N	ish: 1/ any: B : Jaso d: Dire ch x 4 f A tor-Mol hod: M	BL in Goti ict Pus eet unted I	ih Direct	Push R	tig	Easting: NA Casing Elevation: NA Benchele Depthy 14/John Service			D:CRA-15 eneral Electric Comp :: Future City Recrea East Street Area 2	tional Area
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraphic De	escription		Boring Construct	ion
£		1	0-2	1.6	0.4			n fine SAND, some Organics, fro to medium SAND, trace fine Gra				
	-	2	2-4	2.8	0.2		PEAT, Org	light brown SILT and SAND, trai panics, and fine to very fine SAN( n very fine SAND, little to some a	D, trace Silt			8oring backfilled with Bentonite to grade
-5-5	-	3	4-5	1	0.2		Sand	dium SAND, little coarse SAND,				
		4 5 6	5-6 6-8 8-10	2.5	0.8		Light brown	n fine to medium SAND, trace Sil n very fine SAND, moist. n very fine SAND, trace Silt at 9.6	· · · · · · · · · · · · · · · · · · ·			
10 1		7	10-12	2.8	11		Light brown	h very fine SAND and SILT.	******			
15 1	5 -										<u>E</u>	
			), BOU	and the second parts			Rer	<b>narks;</b> Analyses: PCBs (no pesticides/hi		p IX+3 (5-1	4)	

Data File:CRA-15.dat

Dril Dril Dril Bit Aug Rig	ling l ler's ling l Size: ger Si Type	Comp Name Metho 1.5-in ze: N c: Trac	ish: 1/' any: Bi : Jaso d: Dire ch x 4 fi A tor-Mou nod: M	BL n Gotk ct Pus eet inted I	h Direct f		ig	Easting: NA Casing Elevation: NA Clien			D: CRA-16 Seneral Electric Company n: Future City Recreational Area East Street Area 2 - South
ОЕРТН	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraph	ic Description		Boring Construction
-		1	0-2	1.8	1,4		Dark brow	vn fine SAND. Organics, tr	ace coarse Sand, frozen		
	1	2	2-4	2.2	1.1		Dark brow	vn fine to medium SAND, t	race small Cobbles.		Boring backfilled with Bentonite to grade
- 5	5 -	3	4-5 5-6		1.8		Brown fine	e to medium SAND, trace t	ine Gravel and Silt.		
• - 	-	5	6-8		0.5		Light brow	vn fine SAND, little coarse	Sand, moderately graded		
- - 10	10	6	8-10	2.0	0 1		Gray SILT	f at 8.1', little to some redd	ish-brown very fine Sand, vei	ry moist	
	-	7	10-12	2.1	0.2			idium to coarse SAND, sor on-cohesive, moist.	ne fine to medium sub-round	ed Gravel, well	
		8	12-14	2.1	04						
- 15	15 -										
			D, BOL						PCBs (0-2, 2-5, 5-14) des/herbicides).		-2)

and the second se

Dril Dril Dril Bit Aug Rig	ling ( ler's ling l Size: jer Si Type	Comp Name Metho 1.5-in ize: N ize: N	ish: 1/1 any; BE : Jasor d: Direc ch x 4 fe A tor-Mou hod: M:	BL n Gotk ct Pus eet inted D	h Direct f	Push R	ig	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Descriptions By: Bob Papallo	Client: G	D: CRA-17 eneral Electric Company I: Future City Recreational Area East Street Area 2 - South
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraphic Description		Boring Construction
-	-									
-	-	1	0-2	1.6	0.7		coarse Sa	wn fine SAND, Organic Grass, little to some medium Sand, and, frozen.	Irace	
	-	2	2-4		0.1			ry fine SAND		Boring backfilled with Bentonite to grade
	-	3	4-5	2.6	0.2		Brown fin	e SAND, trace fine Gravel.		
- 5	5 -	4	5-6		0 1		Brown fin	e to medium SAND, trace fine Gravel.		
	-	5	<del>6-8</del>		0.1					
- 10		6	8-10	28	00			wn fine to medium SAND, trace coarse Gravel.		
*	-	7	10-12	1.5	0.1	-	Light brow	wn fine to coarse SAND, trace fine Gravel and large Cobble	95	
	_	8	12-14		04					
- 15	15 -				production. This is comments when we wanted					-
	en (	(D.) X OD COTO 110 - 1	D, BOU	& s c	len	tists		marks: Analyses: PCBs (0-2, 2-5, 5-14), A (no pesticides/herbicides). plot2001/Logfiles/10111/FutureCity.ldf	App IX+3 (5	-14) Page: 1 of 1

Dril Dril Dril Bit Aug Rig	lling ( ler's ling   Size: ger Si Type	Comp Name Metho 1.5-in ize: N ize: N	ish: 1/2 any: Bi : Brett d: Dire ch x 4 fi A tor-Mou nod: M	BL Kamie ct Pus eet inted D	h Di <b>rec</b> t l	Push R	ig	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Descriptions By: Bob Papallo		ID: CRA-18 General Electric Company m: Future City Recreational Area East Street Area 2 - South		
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraphic Description		Boring Construction		
-	-											
-		1	0-2	2.0	19			wn fine SANDY LOAM, trace fine Gravel and Roots ight brown fine to coarse SAND, some Coal, trace fine s	ub-angular			
-		2	2-4		0.8		Brown fin	e SAND, trace Silt and fine Grave!		Boring backfilled with Bentonite to grade		
- 5	-	3	4-5	3.2	0.1		Brown fin	e to coarse SAND, trace fine Gravel,				
		4	5-6		0.1		Light brow	wn to brown fine SAND, trace Silty Clay and fine angular	Gravel.			
-	-	5	6-8		0.1		Light brow Gravel	wn fine SAND, trace Silt, Clay, and sub-rounded and sut	⊷angular			
	-	6	8-10	2.2	0 1		Light brow	wn fine to coarse SAND, fine to coarse sub-angular Grav	e			
<del>-</del> 10 .	- 01	7	10-12		0.3		Brown to I	light brown fine SAND with trace Silt.				
•	-	8	12-14	3.7	04		As above,	, with olive gray color				
- 15 .	15 -			and an other statements of the statement of the statement	en un de la complete a la factor de la complete an					-		
				B B		INC	, , ,	marks: Analyses: PCBs (0-2, 2-5, 5-14) (no pesticides/herbicides). Dupli App IX+3 (0-2).				
	<ol> <li>i i i i i i i i i i i i i i i i i i i</li></ol>		ers	& s c	ien	tists		plot2001/Logfiles/10111/FutureCity.ldf		Page: 1 of 1		

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Normality         Stratigraphic Description         Boring Construction           NOTION HEAD         0.1 <td< th=""><th>Drilli Drilli Bit S Auge Rig<sup>1</sup></th><th>ing C er's I ing M lize: er Si rype</th><th>Comp Name Metho 1.5-in ze: N ze: N</th><th>ish: 1/2 any: Bl t: Brett d: Diret d: Diret ch x 4 fe A tor-Mou nod: M</th><th>BL Kamie ct Pus set inted D</th><th>h )irect l</th><th>Push R</th><th>ig</th><th>Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Descriptions By: Bob Papallo</th><th>Client: (</th><th>ID:CRA-19 General Electric Company In: Future City Recreational / East Street Area 2 - Sout</th><th></th></td<>	Drilli Drilli Bit S Auge Rig <sup>1</sup>	ing C er's I ing M lize: er Si rype	Comp Name Metho 1.5-in ze: N ze: N	ish: 1/2 any: Bl t: Brett d: Diret d: Diret ch x 4 fe A tor-Mou nod: M	BL Kamie ct Pus set inted D	h )irect l	Push R	ig	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Descriptions By: Bob Papallo	Client: (	ID:CRA-19 General Electric Company In: Future City Recreational / East Street Area 2 - Sout	
-1         D-2         1.8         D-1         T         Brown Sity fire SAND. Intermedium Sans and trace Roots         Brown Sity fire SAND. Intermedium Sans and angular Gravet.         With Benching yrace           -2         2.4         0.6         Brown to light brown fine to coarse SAND. Inter the Sand and angular Gravet.         With Benching yrace           -5         5         4         5.6         0.3         As above, with trace fine to coarse sub-angular Gravet.         Sanda and angular Gravet.           -5         6         6.8         0.1         Light brown fine SAND. trace Site and fine to medium sub-angular Gravet.         Sanda and angular Gravet.           -5         6         6.8         0.1         Light brown fine SAND. trace Site and fine Gravet from 9:10*         Sanda and fine Gravet from 9:10*           -10         2.9         Light brown fine SAND. trace Site and fine Gravet from 9:10*         Sanda and fine to medium Gravet.           -10         2.7         10-12         0.0         Sanda and and fine to medium Sub-angular fine to medium Sub-angular fine Gravet.           -10         2.7         10-12         0.0         Sanda and fine to medium Sub-angular fine Gravet.           -10         2.7         0.0         Sanda and fine to medium Sub-angular fine Gravet.         Sanda and fine to medium Sub-angular fine Gravet.           -10         2.7	DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraphic Description			
-5     5     -2     2.4     0.6     Brown to light brown fine to coarse SAND. trace fine Sand and angular Gravel     Brom Beaching gravel       -5     5     -4     5.6     0.1     Light brown fine SAND. trace coarse sub-angular Gravel     Brown to light brown fine SAND. trace fine to coarse sub-angular Gravel       -5     5     -4     5.6     0.1     Light brown fine SAND. trace coarse Sand little to some time to medium sub-angular Gravel     Brown to light brown fine SAND. trace Silly Clay, most at 6.2' bgs.       -5     6     6.10     0.0     Light brown fine SAND. trace Silly Clay, most at 6.2' bgs.       -10     2.9     Light brown fine SAND. trace Sill and fine Gravel from 9.10'       -10     2.7     10-12     2.0       -7     10-12     2.0     Brown coarse SAND. trace fine Sand and fine to medium sub-angular       -13     2.5     -     10       -13     2.5     -     10	0-0		1	0-2	1.8	01			- -	avel		
3       4-5       0.3       Products and course and course and interior state.         -5       -6       -6       -6       0.1         -5       -6       0.1       Light brown fine SAND, trace coarse Sand, little to some fine to medium sub- engular Gravel       -6         -5       6-8       0.1       Light brown fine SAND, trace Sity Clay, most at 5.2 bgs.       -6         -6       8-10       0.0       Light brown fine SAND, trace Sity Clay, most at 5.2 bgs.       -6         -10       2.9       Light brown fine SAND, trace Sit and fine Gravel from 5-10       -6         -7       10-12       0.0       Brown coarse SAND. liftle to some sub-engular fine to medium Gravel       -6         -8       12-14       0.0       State Sity Clay, most at 6.2 bgs.       -6         -15       2.7       0.0       State Sity Clay, most at 6.2 bgs.       -6         -15       2.7       0.0       State Sity Clay, most at 6.2 bgs.       -6         -15       2.7       0.0       State Sity Clay, most at 6.2 bgs.       -6         -15       2.7       0.0       State Sity Clay, cla			2	2-4	7.26	0.6		•		d angular Gravei.	with	Bentonite to
-         -	-5 5	; _						Light brow	wn fine SAND, trace coarse Sand, little to some fine	to medium sub-		-
-1020       -6       8-10       0.0       bgs. saturated         -1020       -7       10-12       0.0       Brown coarse SAND. little to some sub-angular fine to medium Gravel         -7       10-12       0.0       -10       -10       -10         -7       10-12       0.0       -10       -10       -10         -7       10-12       0.0       -10       -10       -10         -7       10-12       0.0       -10       -10       -10         -7       10-12       0.0       -10       -10       -10       -10         -7       10-12       0.0       -10       -10       -10       -10       -10         -8       12-14       0.0       -10       -10       -10       -10       -10       -10         -15       15       -10       0.0       -10       -10       -10       -10       -10         -15       15       -10					2.9			Light brow	wn fine SAND, trace Silty Clay, moist at 6.2' bgs.	revel from 9'-10'		
-7     10-12     0.0       -8     12-14       0.0       -15.25       BBBBL   Remarks: Analyses: PCBs (0-2, 2-5, 5-14); App IX+3 (2-5) (no pesticides/herbicides).	- 10 7	T	6	8-10		0.0		bgs, satu	rated			-
-       B       12-14       0.0       Image: Gravei         -       15 25 -       Image: B       Image: B       Image: B         BBBL       Remarks: Analyses: PCBs (0-2, 2-5, 5-14); App IX+3 (2-5) (no pesticides/herbicides).       Image: B       Image: B		-	7	10-12		00						
BBBL Remarks: Analyses: PCBs (0-2, 2-5, 5-14); App IX+3 (2-5) (no pesticides/herbicides).			8	12-14	2./	0.0			wn coarse SAND, trace fine Sand and fine to medium	n sub-angular		10000000000000000000000000000000000000
(no pesticides/herbicides).	- 15 2	5 -		And a second		*****						-
BLASLAND, BOUCK & LEE, INC. engineers & scientists	1				and a set of the set o		CONTRACTOR OF ANY			14); App IX+3 (	2-5)	

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No.

-         -	Dril Dril Bit Aug Rig	ller's Iling Size ger S I Typ	Name Metho 1.5-in lize: N e: Trac	eany: B e: Jam od: Dire ich x 4 f IA ctor-Mot hod: M	es Bol ict Pus eet unted I	sh Direct I	Push F	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA g Descriptions By: Stephen Lewitt	Client: G	D: CRA-20 eneral Electric Company a: Future City Recreational Area East Street Area 2 - South
1         0-2         16         0.0           - <th>DEPTH</th> <th>ELEVATION</th> <th>Sample Run Number</th> <th>Sampte/Int/Type</th> <th>Recovery (feet)</th> <th>PID Headspace (ppm)</th> <th>Geologic Column</th> <th>Stratigraphic Description</th> <th></th> <th>-</th>	DEPTH	ELEVATION	Sample Run Number	Sampte/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		-
1         D-2         16         0.0           - <td><u></u></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	<u></u>	-								
-5         5         -4         -5 </td <td>Ū</td> <td>-</td> <td><b>4</b></td> <td>0-2</td> <td>1.6</td> <td>00</td> <td></td> <td>Brown fine SAND, little Silt, medium to coarse Sand, little fine to coa</td> <td>arse Gravei</td> <td></td>	Ū	-	<b>4</b>	0-2	1.6	00		Brown fine SAND, little Silt, medium to coarse Sand, little fine to coa	arse Gravei	
3       4-5       0.5       0.1         4       5-6       0.5       0.1         5       6-8       1.0       0.1         -       5       6-8       1.0       0.1         -       6       8-10       1.0       0.1         -       6       8-10       1.0       0.1         -       7       10-12       1.0       0.2         -       8       12-14       1.0       0.1         -       8       12-14       1.0       0.1         -       8       12-14       1.0       0.1         -       8       12-14       1.0       0.1         -       8       12-14       1.0       0.1         -       8       12-14       1.0       0.1         -       8       12-14       1.0       0.1         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -       -       -       -       -         -       -		-	2	2-4	1.6	0.1				Boring backt with Bentonr grade.
4         56         0.5         0.1           5         6.8         10         0.1           6         8.10         1.0         0.1           7         10.12         10         0.2           8         12.14         1.0         0.1			з	4-5	0.5	01		Brown fine to medium SAND, little coarse Sand, trace fine Gravei		
5       6-8       10       0.1         6       8-10       1.0       0.1         7       10-12       10       0.2         8       12-14       10       0.1         Dark brown to black fine SAND. Httle Ash and Slag. trace Brock         15       15       10         Remarks: Analyses: PCBs (0-2, 2-5, 5-14). App IX+3 (2-5)	- 5	5 -	4	5-6	0.5	0.1		Brown fine to medium SAND, little coarse Sand, trace fine to coarse	Gravel	
10 10       7       10-12       10       0.2         7       10-12       10       0.2         8       12-14       1.0       0.1         15 15       1       1         Remarks: Analyses: PCBs (0-2, 2-5, 5-14): App IX+3 (2-5)										
-       7       10-12       1.0       0.2         -       8       12-14       1.0       0.1         -       8       12-14       1.0       0.1         -       8       12-14       1.0       0.1         -       8       12-14       1.0       0.1         -       8       12-14       1.0       0.1         -       8       12-14       1.0       0.1         -       8       12-14       1.0       0.1         -       8       12-14       1.0       0.1         -       8       12-14       1.0       0.1         -       8       12-14       1.0       0.1         -       8       12-14       1.0       0.1         -       1.0       0.1       1.0       1.0         -       1.0       1.0       1.0       1.0         -       1.0       1.0       1.0       1.0         -       1.0       1.0       1.0       1.0         -       1.0       1.0       1.0       1.0         -       1.0       1.0       1.0       1.0 <td< td=""><td>101</td><td>10</td><td>6</td><td>8-10</td><td>1.0</td><td>0 1</td><td></td><td></td><td></td><td></td></td<>	101	10	6	8-10	1.0	0 1				
-       8       12-14       1.0       0.1         15       15       -			7	10-12	1.0	0.2				
Remarks: Analyses: PCBs (0-2, 2-5, 5-14); App IX+3 (2-5)			8	12-14	1.0	01		Cent prown to plack time SAND, sittle ASD and Sizg, trace Brick		
	15 1	15 -								
BLASLAND, BOUCK & LEE, INC.	E	BLAS		J. BOU	<b>3</b>	LEE,	INC.		opp IX+3 (2-5	5)

Data File:CRA-20.dat

Dril Dril Dril Bit Aug Rig	ling ( ler's ling f Size: jer Si Type	Comp Name Metho 1.5-ini ze: N : Trac	ish: 1/3 any: BE : Jame d: Direc ch x 4 fe A tor-Mou hod: Mi	BL s Bola ct Pusi eet nted D	h Direct f	Push R	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA g Descriptions By: Stephen Lewitt	Client: Ger Location:	CRA-21 heral Electric Company Future City Recreational Area East Street Area 2 - South
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
	-								
	-	1	0-2	14	0.1		Brown fine to medium SAND, little coarse Sand and fine to med	ium Greve:	Boring backfilled with Bentonite to
		2	2-4	1.4	0.1		Dark brown fine SAND, little medium to coarse Sand, trace fine	Gravel.	Boring backfilled with Bentonite to grade
- 5	5 -	3	4-5 5-6	0.5	0.1		Brown fine SAND and SILT, little medium to coarse Sand, trace	fine Gravel.	
	-	5	6-8	1.0	0.3				
- 10	10	6	8-10	1.25	0.1		Brown fine SAND and SILT, little medium to coarse Sand, trace Gravel, trace Brick	fine to coarse	
* •		7	10-12	1.25	01				
		8	12-14	1.4	01		Brown fine SAND and SILT. little medium to coarse Sand, trace	fine Grave:	
- 15	15 -		a de la contra en en esta de la contra de la c						
			D, BOU	- the electron mark of the		and a second second second second		licate ID: CRA-D	

Dril Dril Dril Bit Aug Rig	ling ler's ling l Size: jer S Type	Com Nam Meth 1.5-i ize: I e: Tra	nish: pany: e: Jar od: Di nch x 4 NA ictor-Mi thod:	BBL nes Bo rect Po feet	oland ush I Direc	t Push F	Rig	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 14' below grade Surface Elevation: NA Descriptions By: Stephen Lewitt	Client: C	ID: CRA-22 General Electric Company n: Future City Recreational Area East Street Area 2 - South
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraphic Description		Boring Construction
-06							Brown fine	SAND and SILT, trace coarse Sand and Roots		
	4	1	0-2	1.85	0.0					
	-	2	2-4	1.85	0.0		Brown SiL	T, trace fine Sand		Boring backfiller with Bentonite to grade
55		3	4-5	0.9	0.0		Brown SILT	r, little fine Sand, trace coarse Sand		
-		4	5-6	0.9	0.0					
		5	6-8	1.85	0.0			own SAND and SILT		
	- 6	5	8-10	1.7	0.0		Gravel	ddish-brown fine SAND, little medium Sand and Silt, tra SAND, little Silt.	ce coarse	
010	-,	1	10-12	1.7	0.0					
	- 8		12-14	16	0.0		Olive-brown	SILT little coarse Sand, trace fine Gravel		
5 1 5	-				The state of the s					
BL	ASL	3 AND	J. BOU			INC.	Rem	arks: Analyses: PCBs (0-2, 2-5, 5-14); A (no pesticides/herbicides).	App IX+3 (5-14	4)
er	ngi		ərs b	& s c	ient	ists		0t2001/Logfiles/10111/FutureCity.ldf		Page: 1 of 1

Dril Dril Dril Bit Aug Rig	lling ( ller's lling I Size: ger Si Type	Compa Name: Methor 1.5-inc ize: N/ e: Traci	sh: 1/2 any: BB : Jame d: Direc ch x 4 fe A tor-Mou aod: Mi	BL is Bola it Pust set nted D	h hirect F	Push R	ig	Easting: NA Casing Elevation: NA Borehole Depth: 2' below grade Surface Elevation: NA					D:X-17 eneral Elect : Future Cit East Stree	y Recr	eationa			
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	-		Stratigraph	nic Descriț	otion				Borir Constri			
														6.05	<del>a</del>			-
		1	0-2	1.5	0.5		Dark brow trace Roo		D and SiLT. tr	ace medium	o coarse Sa		e Gravel.			w	oring backfille inh Bentonite I rade.	
- 5	5 -																	
F F	-																	4
- - 10 -	- 10 -																	1
- 15	15 -							marte	; Analyses:	DCDC-/		<u>ی</u>						
			D, BOL					nd KS	, Analyses:		UUES (U	• <b>~</b> ).						
1		діле )1.11.0	<b>Θ</b> Γ S					olot2001	/Logfiles/1	0111/Futu	reCity.ldf					F	Page: 1 of	1

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Dril Dril Dril Bit Aug Rig	lling ( ller's lling I Size: ger Si Type	Compa Name Methor 1.5-ind ize: N/ ize: N/	sh: 1/2 any: Bi : Brett d: Dire ch x 4 fe A tor-Mou aod: M	BL Kamie ct Pusi eet inted D	h Direct F	<sup>o</sup> ush R	Easting: NA Casing Elevation: NA Borehole Depth: 1' below grade Surface Elevation: NA					ID:RAA4-1 General Electric Company n: East Street Area 2 - South		
ОЕРТН	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigrap	hic Description			C	Boring onstruction	
-				1.0				m fine SAND and SILT. I	itle medium to coars	e Sand and fin	e Gravel,			ring backfilled h Bentonite to
		1	0-1	1.0	0.0									de -
- 5	5 -													-
- 10														4
15								·						
Projec	e n g at: 10			& s c	len	tists		marks: Analyses (no pestic App IX+3 Dot2001/Logfiles/1	cides/herbicides (0-1).	). MS/MSD		for PCBs (0-1		ige: 1 of 1

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Dril Dril Dril Bit Aug Rig	ling ( ler's l ling M Size: jer Si Type	Comp Name Metho 1.5-in ze: N ze: N	ish: 1/2 any: BE t: Brett d: Direc ch x 4 fe A tor-Mou nod: M	3L Kamie st Pusi set nted D	h Direct I	Push R	ig	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' below grade Surface Elevation: NA Descriptions By: Bob Papallo		); RAA4-2 eneral Electric Company : East Street Area 2 - South
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraphic Description		Boring Construction
<del>_</del> 0	6	1	0-1		1.7		Tan to rec	ddish-brown fine SAND, trace Roots, Grass, and sub-angu	lar Gravel.	
				-			Brown fire	e to medium SAND, some Coal and Slag, trace sub-round	ed Gravel	
	-	2	1-3	2.8	3.1					Boring backfilled with Bentonite to grade
		3	3-4		7.6		Dark brow coarse Sa	vn to brown medium SAND, some sub-rounded Gravel and and	i trace	
5	5 -	4	4-6		255		Dark brow Tar	wn medium to coarse SAND, some Coal, Slag, and strong	odor of Coal	
		5	6-8	21	844					
10		6	8-10		702			m to brown fine to coarse SAND, trace Silt and fine to med ravel, strong odor and sheen at 8.7" bgs.	lium sub-	
10		7	10-12	2.3	398					
		8	12-14	16	4.0		Grave <sup>r</sup> , so			
-1-5-	<del>15</del>	9	14-15		14.4		Dark brow Coal Tar c	n to brown coarse SAND, little to some sub-angular fine G odor	n aver, \$11001	
	eng	1. A.	D, BOL	& s c	len	tists		marks: Analyses: PCBs (0-1, 1-6, 6-15); / (no pesticides/herbicides). MS/MS (6-15). plot2001/Logfiles/10111/FutureCity.ldf		

Date: 4/3/01

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Dri Dri Dri Bit Aug	lling ( ller's   lling N Size: ger Si   Type	Compa Name: Nethod 1.5-ind ze: NA : Tract	sh: 1/3 iny: BE Brett d: Direc th x 4 fe or-Mou od: M	BL Kamie ct Pust eet nted D	h hrect F	oush R	ig	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 1' below grade Surface Elevation: NA Descriptions By: Stephen Lewitt	Client: G	D:RAA4-3 eneral Electric Company n: East Street Area 2 - South
ОЕРТН	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraphic Description		Boring Construction
1		1	0-1	0.9	0.1		Brown fine Roots	SAND and SILT, little coarse Sand trace medium Gra	vel, Slag, and	Boring backfilled with Bentonite to grade
a na an	10 - 		D, BOL					marks: Analyses: PCBs (0-1).		

Dri Dri Bit Aug Rig	ller's Iling Size: ger S j Type	Name Metho 1.5-in ize: N e: Trac	eany: E e: Bret od: Dire ich x 4 1 IA ctor-Mo hod: N	t Kami ect Pus feet unted I	sh Direct I	Push R	Easting: NA Casing Elevation: NA Borehole Depth: 15' below grade Surface Elevation: NA ig Descriptions By: Bob Papallo		eneral Electric Company n: East Street Area 2 - South
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
	_	1	0-1		0.7		Dark brown to brown fine SAND, trace Grass. Roots, and sub-	angular Gravel	
		2	1-3	3.2	0.3		Dark brown to brown fine to coarse SAND. little to some sub-a medium Gravel and trace Coal	ngular fine to	Boring back with Benton grade
	-	3	3-4		1.4		As above, no Coal présent		
- 5	5 -	4	4-6		7.7		Fine to coarse SAND, some Silt, some fine to medium sub-eng	ular Gravel	
		5	6-8	2.3	17				
- 10 :	-	6	8-10	1.9	2.3		Fine SAND and SILT, little to fine to coarse rounded Sandstone weathered Coal, trace medium to coarse Sand	Gravel and	
	-	?	10-12		07		Fine SAND, little Silt, trace light brown fine to medium Sand with	a slight order wat	
		8	12-14	2	<b>999</b> 9		Light brown to brown fine SAND and SILT, visible product, shee		
15 1	15	9	14-15		5960		odor present (Coal Tar)	ns, and strong	
		And the second second	D, BOL	the second of the	- electron - management	second data the state of the second	Remarks: Analyses: PCBs (0-1, 1-6, 6-15 (no pesticides/herbicides).	5); App IX+3 (6-1	15)

Date: 4/3/01

Dri Dri Dri Bit Aug Rig	lling ( ller's lling <b>l</b> Size: ger Si Type	Compa Name: Methor 1.5-inc ze: N/ c: Tracl	sh: 1/3 any: Bf : Brett d: Diret ch x 4 fe A tor-Mou aod: M	BL Kamie ct Pusl set inted D	h Direct F	<sup>2</sup> ush R	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 1' below grade Surface Elevation: NA 9 Descriptions By: Stephen Lewitt	Client: G	oring ID:RAA4-5 ient: General Electric Company ocation: East Street Area 2 - South		
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction		
<b>\$</b>	-			a de la companya de							
		1	0-1	0.9	0.0		Brown fine SAND and SILT, little medium to coarse Sand, trace Sia	g and Roots	State     Boring backfilled     With Bentonite to     With Bentonite to     State     grade		
10	_										
1	BLAS		), BOL				<b>Remarks:</b> Analyses: PCBs (0-1); App IX+3 (i (no pesticides/herbicides).	D-1)			

Data File:RAA4-5.dat

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Dril Dril Dril Bit Aug Rig	lling ( ller's : lling I Size: ger Si Type	Compa Name Metho 1.5-ind ze: Na :: Trac	sh: 1/( any: Bl : Brett d: Dire ch x 4 fi A tor-Mou nod: M	BL Kamie ct Pusi eet inted D	h Direct F	<sup>2</sup> ush R	lig	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 1' be Surface Elevation: NA Descriptions By: Step	low grade		g ID: RAA4-6 : General Electric Company on: East Street Area 2 - South			
ОЕРТН	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraphic De	scription		c	Boring onstruction		
- -							Brown							
		1	0-1	09	0.0		Brown tin Slag, and	e SAND and SILT, little medium to Roots	coarse Sand, trace	fine Gravel,		Boring backfilled with Bentonite to grade		
- 5												-		
- 10 . - -	10 -											-		
- 15 2	15 -	ng (1) (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1												
	əng		), BOU ers (	<u>%</u> sc	ien	tists		marks: Analyses: PCBs plot2001/Logfiles/10111/F	the factor and the second s			Page: 1 of 1		

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Dril Dril Dril Bit Aug Rig	lling ( ller's lling ( Size: ger Si Type	Compi Name Metho 1.5-ini ize: Ni a: Trac	ish: 1/ any: B : Brett d: Dire ch x 4 f A tor-Mou hod: M	BL Kamie ct Pus eet unted E	h Direct f	<sup>p</sup> ush R	tig	Northing: NA Easting: NA Casing Elevation: Borehole Depth: Surface Elevation Descriptions By: 3	l' below grade : NA		Client: G	D:RAA4-7 General Electric n: East Street		buth
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		. Stratigraphic	Description			1	Boring onstruction	
-							Brown Ine	SAND and SILT, little med	um to concere Sound	Trace Deste				
		1	0-1	0.9	0.0		brown hite	SAND and SILT, IIIIE medi	um to coarse Sand,	trace Roots			w	oring backfilled ith Bentonite to rade
- 10 1														
e	ng		, BOU ers &	3 S C .	lent	lsts		narks: Analyses: P(		f				age. 1 of 1

Dril Dril Dril Bit Aug Rig	lling ( ller's i lling I Size: ger Si Type	Compa Name: Methor 1.5-inc ize: N/ ize: N/	sh: 1/3 any: Bf : Brett d: Dired bired ch x 4 fe A tor-Mou nod: M	3L Kamie st Pusl set inted D	h Direct F	<sup>2</sup> ush R	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 1' belo Surface Elevation: NA Descriptions By: Steph		Client: G	D:RAA4-8 eneral Electric Con I: East Street Area	
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Des	cription		Borir Constri	-
	-				n on a man - o o o o o o o o o o o o o o o o o o		Brown fine SAND and SILT, little medium to o	coarse Sand, trace Roots		Andre	Boring backfilled
		1	0-1	1.0	0.0						with Bentonite to grade
- 5	5 -										-
- 10	10 -										-
- 15	15 -	2		2			Remarks: Analyses: PCBs (no pesticides/he	(0-1), App IX+3 (0- rbicides), Duplicate		1-DUP-1 (0-1).	- - 
Projec	eng ct: 10			& s c	len	t i s t s :/Rock	/are/Logplot2001/Logfiles/10111/Fu ate: 4/3/01	itureCity.ldf		1111-111-111-111-111-111-111-111-111-1	Page: 1 of 1

Date: 4/3/01

Drii Drii Bit Aug Rig	ller's lling I Size: ger Si Type	Name Metho 1.5-ind ize: N a: Trac	any: Bl : Brett d: Dire ch x 4 fe A tor-Mou nod: M	Kamie ct Pusi eet inted D	h Direct F	Push R	Easting: NA Casing Elevation: NA Borehole Depth: 1' below grade Surface Elevation: NA Descriptions By: Stephen Lewitt		General Electric Company n: East Street Area 2 - South
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
		1	0-1	1.0	0.0		Dark brown fine SAND, some Silt, little medium to coarse Sand.	trace Roots	Boring back with Benton grade
									grade
- 5	5 -								
	1 1								
- 10 :	10 -								
15 1	r, L, L, L					a na sa ana ang sa			
	BLAS	3 LAND		З.	LEE,	INC.	Remarks: Analyses: PCBs (0-1).		

Dril Dril Dril Bit Aug Rig	ling i ler's ling l Size: ger Si Type	Comp Name Metho 1.5-in ize: N ize: N	ish: 1/ any: B : Brett d: Dire ch x 4 f A tor-Mou hod: M	BL Kamie ct Pus eet unted I	h Direct F	<sup>p</sup> ush R	łig	Borehole Surface E		elow grade A		Client: G	D:RAA4-1 ieneral Ele h: East Str	ctric Con		
ОЕРТН	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Str	ratigraphic De	scription				Borir Constru		
- 		1	0-1	1.0	0.0		Dark brow trace root:	m fine SAND s	ome Silt, little med	lium to coarse \$	Sand, little fi	ine Gravei,			Boring bac with Bento grade	
						- •	• •									
- 10 1	!0															
- 15 1	5						Rer		alyses: PCBs		IX+3 (0-	1)				
e rojec	en g t. 101			& s c	lent	t / s t s /Rockv		plot2001/Log	pesticides/hi gfiles/10111/F		If				Page. 1	of 1

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Dri Dri Dri Bit Aug Rig	illing iller's illing Size ger S ger S	Comp Name Metho : 1.5-in ize: N e: Trac	iish: 1/ bany: B e: Brett bd: Dire ich x 4 f IA ctor-Mou hod: M	BL Kamie ict Pus ieet unted I	h Direct F	Push Rig	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 1' below grade Surface Elevation: NA Descriptions By: Stephen Lewitt	Client: G	D:RAA4-11 Seneral Electric Company n: East Street Area 2 - South
DEPTH	ELEVATION	Sample Run Number	Sample/In//Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
-6							rown fine SAND, little Silt, medium to coarse Sand and fine Grave.		
		1	0-1	0.8	00				Boring backfille with Bentonite I grade
- 5 ,	5 -								
10 1	10 -								
15 2							Remarks: Analyses: PCBs (0-1).		
			), BOU ers						

Dril Dril Dril Bit Aug Rig	lling ( ller's lling T Size: ger Si Type	Compa Name: Methor 1.5-inc ize: N/ ize: N/	sh: 1/3 any: Bi : Brett d: Diret ch x 4 fe A cor-Mou cod: M	BL Kamie ct Pus eet inted D	h Direct F	<sup>2</sup> ush R	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 1' below grade Surface Elevation: NA Descriptions By: Stephen Lewitt	Client: G	D:RAA4-12 Seneral Electric Company n; East Street Area 2 - South
ОЕРТН	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
		1	0-1	1.0	0.0		Brown fine SAND, little Silt, medium to coarse Sand and fine Grav Roots.	vel. trace	Boring backfilled with Bentonite to grade
	-								
5	5 -								
- 10	10 -								
					terete a solar o tere dan ante da la terete da pengen de la del terete en				
			, BOU				Remarks: Analyses: PCBs (0-1).		

Dri Dri Dri Bit Aug Rig	lling ( ller's lling I Size: ger Si Type	Comp Name Metho 1.5-in ize: N ize: N	ish: 1/: any: B : Brett d: Dire ch x 4 fi A tor-Mou hod: M	BL Kamie ct Pus eet inted D	h Direct F	<sup>P</sup> ush R	lig	Surface Ele	vation: NA epth: 1' below		Client: G	D:RAA4-13 leneral Electric C 1: East Street Al	
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Strati	graphic Descri	otion		1	oring struction
	-	1	0-1	1.0	74 4		Dark brow fine Grave	n fine SAND and S i and Roots	SILT, little medium to	coarse Sand, little	Wood, trace	C 102A Provide Na sur- Na sur-	Boring backfilled with Bentonite to grade
- 5	5												
- 10 :													-
Ē	BLASI ang		, BOU ers &	k sc	íønt	ists		(no pi	rses: PCBs (0- esticides/herbio es/10111/Futur	ides)	-1)		Page: 1 of 1

Date: 4/3/01

Dril Dril Bit Aug Rig	ller's lling I Size: ger Si Type	Name Metho 1.5-in ize: N a: Trac	any: Bi : Brett d: Dire ch x 4 fi A tor-Mou nod: M	Kamie ct Pusi eet inted D	h Direct F	<sup>2</sup> ush Ri	Easting: NA Casing Elevation: NA Borehole Depth: 1' below grade Surface Elevation: NA Descriptions By: Stephen Lewitt		eneral Electric Company n: East Street Area 2 - South
ОЕРТН	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
	-						Dark brown fine SAND, some medium to coarse Sand, little	Silt trace Roots	Boring back
-14		1	0-1	0.8	0.1			· · · · · · · · · · · · · · · · · · ·	Boring backf with Bentoni grade
- 5									
· 10	10 -								
	-								
15	15 -			And common statement where the control of the					
			D, BOL				<b>Remarks:</b> Analyses: PCBs (0-1).		

Dri Dri Dri Bit Aug Rig	lling ( ller's lling ( Size: ger Si ger Si	Comp Name Metho 1.5-in ize: N ize: N	ish: 1/ any: B : Brett d: Dire ch x 4 f A tor-Mou hod: M	BL Kamie Ict Pus leet unted D	h Direct F	Push Rig	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 1' below grade Surface Elevation: NA Descriptions By: Stephen Lewitt	Client: Ge	9:RAA4-15 eneral Electric Company : East Street Area 2 - South
DEPTH	ELEVATION	Sample Run Number	Sample/In//Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
0		1	<b>0-1</b>	1.0	NA		rk brown fine SAND, some Silt, little medium to coarse Sand, trac	æ Roots	with Bentoni grade
	-								grade
- 5	5 -								
- 10 :									
	<u>t</u>								
15 2	15 -								
			), BOU				Remarks: Analyses: PCBs (0-1); App IX+3 (0- (no pesticides/herbicides).	-1)	

Dri Bit Aug Rig	lling Size ger S Typ	Metho : 1.5-ir lize: N e: Trac	e: Bret od: Dire ich x 4 JA ctor-Mo thod: M	ect Pus feet unted i	sh Direct I	Push F	Casing Elevation: NA Borehole Depth: 15' below grade Surface Elevation: NA ig Descriptions By: Bob Papallo		eneral Electric Company :: East Street Area 2 - South
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
	-	a serie par e la ferra de la companya de la company		a sound failures - on - on - on - on - one -					
		1	0-1		1.8		Brown fine to coarse SAND, trace sub-angular Gravel, frozen.		
		ana ali bili da anti-					Brown to black coarse SAND.		
	-	2	1-3	3.8	219		Fine to coarse sub-angular GRAVEL, trace Slag and Organic Matter,	slight odor.	Boring backt with Bentoni grade
	-	3	3-4		1382		Brown to black coarse SAND, little to some fine to medium sub-angul odor.	ar Gravel.	
- 5	5 -	4	4-6		2104		Dark brown to black fine to coarse SAND, little to some fine to mediur angular Gravel, trace black stains, slight to medium odor.	n sub-	
	-	5	6-8	3.2	9999		Light brown fine SAND, trace coarse coarse Sand, fine to medium sul Gravel, and Silt.	-engular	
10 1		6	8-10	2.6	9999		Light brown fine SAND, some coarse Sand, trace Silt with sub-angula faint odor		
		7	10-12	2.0	4702		Olive-brown to black fine SAND, trace coarse Sand and Sitt, fine to co engular to sub-angular Gravel, Coal Tar odor.		
		8	12-14	3.9	<del>999</del> 9		Black to light brown fine to coarse SAND, trace fine Gravel, product, si strong odor from 13.5' - 14' bgs.		
-1-5-1	15	9	14-15		9999		Black fine SAND and StLT, very strong odor, slight sheen and Organic from 14' - 14.3' bgs	Matter	
	JLAS BLAS						<b>Remarks:</b> Analyses: PCBs (0-1, 1-6, 6-15); Ap (no pesticides/herbicides).	p IX+3 (6-1	5)

Dril Dril Dril Bit Aug Rig	ling ( ler's   ling M Size: jer Si Type	Comp Name Metho 1.5-in ize: N a: Trac	ish: 1/2 any: Bl : Brett d: Dire ch x 4 fi A tor-Mou hod: M	BL Kamie ct Pus eet inted [	h Direct l	Push R	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' below grade Surface Elevation: NA ig Descriptions By: Stephen Lewitt	Client: G	D:RAA4-17 ieneral Electric Company n: East Street Area 2 - South
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
-	_								
0	0	1	0-1	0.9	0.5		Brown SILT, little fine Sand, trace medium to coarse Sand and	Roots	
-	+				-		Brown fine SAND and SILT, little medium to coarse Sand and I	fine Gravel.	
-	_	2	1-3	1.9	0.3				Boring backfilled with Bentonite to grade
-		3	3-4	0.9	0.3				with Bentonite to grade
-							Brown fine SAND and SILT, trace medium to coarse Sand, trac	ce fine Gravel	
- 5 .	5 -	4	4-6	10	03				
•		5	6-8	1.0	0.6				
- 10 .		6	8-10	1.1	0.3		Brown fine SAND and SILT, trace coarse Sand and fine Gravel	l, moist	
	-	7	10-12	1.1	02		Light brown SiLT, ittle fine Sand, wet		
	1	8	12-14	2.0	0.6		Dark gray fine SAND, little medium to coarse Sand, petroleum o	odor	
-15-	15	9	14-15	0.9	36.5				
			D, BOL				Remarks: Analyses: PCBs (0-1, 1-6, 6-1) (no pesticides/herbicides).	5); App IX+3 (0-	-1)

Dril Dril Bit Aug Rig	ller's lling Size ger S Typ	Nami Metho 1.5-ir ize: N e: Trai	bany: E e: Bret od: Dire ich x 4 i NA ctor-Mo thod: N	t Kamii ect Pus feet unted I	.h Direct f	<sup>P</sup> ush R	Easting: NA Casing Elevation: NA Borehole Depth: 15' below grade Surface Elevation: NA Descriptions By: Stephen Lewitt	Client: General Electr Location: East Stree	
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description	c	Boring Construction
				and a second	norma - Annaha may and a star and				
		1	0-1	07	0.3		Brown fine SAND, little Silt, trace medium to coarse Sand and Root		
		2	1-3	14	02		Brown SILT, little fine Sand, trace coarse Sand, trace fine to mediur	Gravel	Boring backfill with Bentonite grade
	-	3	3-4	0.7	0.1		Light brown fine SAND and SILT, trace medium to coarse Sand and	fine Gravel	<b>a</b> r — ara
-55	5 -	4	<b>4-</b> 6 <b>6-</b> 8	1.2	0.3 C 3				
- 10 1		6	8-10	1.4	0.2		light brown fine to medium SAND, some coarse Sand, trace fine Gra	vel vel	
		8	10-12	1.4	2.3		ight brown fine SAND, trace Sitt		
							is above, slight odor		
15-1	5	9	14-15	10	39				
			), BOU ers				<b>Remarks:</b> Analyses: PCBs (0-1, 1-6, 6-15); A (no pesticides/herbicides).	IX+3 (1-6)	

Dril Dril Dril Bit Aug Rig	Date Start/Finish: 1/29/01 Drilling Company: BBL Driller's Name: Brett Kamienski Drilling Method: Direct Push Bit Size: 1.5-inch x 4 feet Auger Size: NA Rig Type: Tractor-Mounted Direct Push Rig Sampling Method: Macrocore					Push R	lig	Easting: NA Casing Elevation: NA Client		ID:RAA4-19 General Electric Company n: East Street Area 2 - South	
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Stratigraphic Description				Boring Construction	
0	-										
		1	0-1	07	0.1		Brown fine	SAND and SILT, little coarse Sand, trace Roots.			
	-			-	-		Brown fine	SAND, little medium to coarse Sand and trace fine to c	oarse Gravel		
	-	2	1-3	14	0.1					Boring backfiller with Bentonite to grade	
		3	3-4	0.7	01		Brown fine	SAND, little Silt, trace coarse Sand.			
5 5		4	4-6	1.7	01		Brown fine	SAND, trace Sift and coarse Sand			
	~ <del> </del>	5	6-8	1.7	0.1		Light brown	n fine SAND and SILT, moist			
10 1		6	8-10	1.6	0.0			SAND, little coarse Sand, trace medium Gravel			
		7	10-12	1.6	0.0		,	SAND, trace coarse Sand and fine Gravel.			
		8	12-14	20	0.0		oruwn tine	SAND and SILT			
15-1	5	9	14-15	1.0	0.0		····				
			, BOL				Ren	narks: Analyses: PCBs (0-1, 1-6, 6-15); , (no pesticides/herbicides). Duplici PCBs (6-15). MS/MSD collected f	ate ID :RAA4	-DUP-1:	

and a

Dril Dril Dril Bit Aug Rig	ling ( ler's ling I Size: jer Si Type	Comp Name Metho 1.5-in ize: N ize: N	sh: 1/2 any: Bl : Brett d: Dire ch x 4 fe A tor-Mou nod: M	BL Kamie ct Pus eet inted E	h Direct F	Push R	Ea Ca Bo Su	rthing: NA sting: NA sing Elevation: NA rehole Depth: 15' below grad rface Elevation: NA scriptions By: Stephen Lewi		Boring IE Client: Ge Location	Company rea 2 - South	
ОЕРТН	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column		Stratigraphic Description				oring struction
Contraction of the second s	-											
	6	1	0-1	1.0	0.0		Dark brown fine	SAND, little medium to coarse Sand, tr	ace Roots			
and and a second s		2	1-3	2.0	0.0		Brown fine SAN	D and SILT, trace coarse Sand and fine	e Gravel			Boring backfilled with Bentonite to grade.
- Anno and a state of the state	-	3	3-4	09	00					4 (1997) 1997 1997 1997 1997 1997 1997 1997		
- 5 .	5	4	4-6	1 45	0.0		Brown SILT, littl	e fine Sand, trace coarse Sand and fine	e Gravel			- -
A / I I I I I I I I I I I I I I I I I I		5	6-8	1.45	0.0			Mithing of the second				
- 10	_	6	8-10	1.4	0.0		Brown fine SAN moist	D and SILT, little medium to coarse Sar	nd, trace fine C	îrgveî.		
- 10 . -		7	10-12	1.4	0.2		Brown fine SAN moist	D and SILT, trace medium to coarse Sa	and, trace Orga	Inics,		-
		B	12-14	1,8	0.1		Brown SILT, litt	a fine to coarse Sand, little Organics				
15		9	14-15	0.8	00		Brownish-gray fi Gravel	ne SAND, some medium Sand, little co	arse Sand, tra	ca fine		
			D, BOL	& s c	len	tists	,	<b>'ks:</b> Analyses: PCBs (0-1, 1-4 001/Logfiles/10111/FutureCit				Page: 1 of 1

Dril Dril Bit Aug Rig	ller's ling Size: ger S Type	Name Metho 1.5-in ize: N e: Trac		l Kamie ict Pus ieet unted [	h Direct f	Push Rig	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' below grade Surface Elevation: NA Descriptions By: Stephen Lewitt		eneral Electric Company : East Street Area 2 - South
ОЕРТН	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	, Stratigraphic Description		Boring Construction
	-	na dan ang kanalan na kanalan							
		1	0-1	0.9	0.0		Dark brown fine SAND, little medium to coarse Sand, trace fine	Gravei	
		2	1-3	1,8	0.0		Brown fine SAND, little Silt and medium to coarse Sand, trace f	ine Grave!	Boring backfi with Bentonit grade
		3	3-4	0.9	0.0				
-5	5 -	4	4-6	1.4	00		Brown SILT, trace fine Sand and fine Gravel, moist		
		5	6-8	1.3	0.0		Brown SILT, little fine Sand, trace coarse Sand and fine Gravel		
101	-	6	8-10	1.9	0.0		srown SILT. Ittle fine to medium Sand, trace coarse Sand and f	ine Gravel	
		7	10-12	1.9	00		Brown CLAY, some Silt, moist		
	-	8	12-14	2.0	0.0				
15.	15	9	14-15	1.0	0.0				
			D, BOU				<b>Remarks:</b> Analyses: PCBs (0-1, 1-6, 6-15 (no pesticides/herbicides)	i); App IX+3 (6-1	15)

			tor-Moi hod: N			Push R	Descriptions By: Stephen Lewitt		
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction
	-	na na manana ang pananana na mananana na mananana na mananana na mananana na manana na manana manana manana man							
-0	<del></del>	1	0-1	07	0.2		Brown fine SAND. little medium Sand and Silt, trace Roots		
	-	2	1-3	1.2	0.0		Brown fine SAND and SILT, little medium to coarse Sand.		Borang back with Benton grade
		3	3-4	0.6	0 1		Brown fine to medium SAND, little coarse Sand, trace fine Gravei		
- 5	5	4	4-6	1.6	0.1		Brown SILT, trace coarse Send, moist		
	-	5	6-8	1.6	0.1		Brown SILT, trace fine to coarse Sand, moist.		
10	10	6	8-10	15	01		Brown SILT, little fine Sand, moist		
10.		7	10-12	1.5	0.1		Brown fine SAND, some Silt, trace medium to coarse Sand, moist.		
		8	12-14	16	01		Brown CLAY and SILT		
-15 -	<del>25  </del>	9	14-15	0.8	01		Brownish-gray fine SAND, little coarse Sand, moist.		
	BLAS	3 SI ANI		3		INC	<b>Remarks:</b> Analyses: PCBs (0-1, 1-6, 6-15); A (no pesticides/herbicides).	pp IX+3 (1-	5)

Date: 4/3/01

Drilling Comp Driller's Name Drilling Metho Bit Size: 1.5-in Auger Size: N Rig Type: Trac Sampling Met	a: Jame od: Direc ich x 4 fe IA ctor-Mou	BL es Boli ct Pus eet inted I	ih Direct	Push R	Northing: NA Easting: NA Casing Elevation: NA Borehole Depth: 15' below grade Surface Elevation: NA ig Descriptions By: Stephen Lewitt	Boring ID:X-16 Client: General Electric Company Location: East Street Area 2 - South		
UEPTH ELEVATION Sample Run Number	Sample/Int/Type	Recovery (feel)	PID Headspace (ppm)	Geologic Column	Stratigraphic Description		Boring Construction	
- - - - - - - - - - - - - - - - - - -	NA	NA	NA				Boring backfiller with Bentonte to grade	
	<del>6-8</del> 8-10	0.9	0.3		Brown fine to medium SAND, little coarse Sand, trace fine Gravel, Brown fine SAND and SILT, little medium to coarse Gravel Gray fine SAND, trace medium to coarse Sand			
10 10		1.0	0.6		Reddish-brown fine SAND Brown fine SAND, trace medium Sand.			
5	14-15	0.6	16.3		Dark gray to black fine SAND, trace medium to coarse Sand and coars strong petroleum odor	se gravel.		

Dril Dril Dril Bit Aug Rig	ling ( ler's ling   Size: ger Si Type	Comp Name Metho 1.5-in ize: N a: Trac	ish: 2/ any: B e: Jame d: Dire d: Dire ch x 4 f A tor-Mou hod: M	BL es Boli et Pus eet unted I	sh Direct I	<sup>P</sup> ush F	Northing: NA Easting: NA Casing Elevation: N Borehole Depth: 15' Surface Elevation: N Descriptions By: Ste	A below grade IA	Boring ID:X-18 Client: General Electric Company Location: East Street Area 2 - South			
DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Geologic Column	Stratigraphic D	escription		Boring Construction		
-	 											
- 5 .	5 -	NA	NA	NA	NA		• • •			Boring backfilled with Bentonite to grade		
-		1	6-8	1.5	0.1		Brown fine SAND and SILT, little medium Cobbles, moist from 6' - 12' bgs.	to coarse Sand and fine Grav	el, trace			
- 10 : -		3	8-10	1.0	0.0 0.1							
•	-	4	12-14	1,6	4100	0.0	Black fine to medium SAND and GRAVEL Black fine SAND and SILT, little medium to					
	15	5	14-15	0.8	1280		Biack fine SAND and SILT, some Clay, tra odor	ce coarse Sand, strong petrol	eum			
é	эng	mention of the second second	D, BOL ers	& s c	len	tists	Remarks: Analyses: PCE			Page: 1 of 1		

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# Appendix B

BLASLAND, BOUCK & LEE, INC.

engineers & scientists

Soil Sampling Data Validation Report

### APPENDIX B GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

### PRE-DESIGN INVESTIGATION REPORT FOR PORTION OF EAST AREA 2-SOUTH – FUTURE CITY RECREATIONAL AREA

### SOIL SAMPLING DATA VALIDATION REPORT

### 1.0 General

This attachment summarizes the Tier I and Tier II data review performed for soil samples collected predesign investigation activities at a portion of the East Street Area 2-South Removal Action Area, including the Future City Recreational Area, located in Pittsfield, Massachusetts. The samples were analyzed for various constituents listed in Appendix IX of 40 CFR Part 264 plus three additional constituents -- benzidine, 2-chloroethyl vinyl ether, and 1,2-diphenylhydrazine (hereafter referred to as Appendix IX+3), excluding pesticides and herbicides, by CT&E Environmental Services, Inc. of Charleston, West Virginia and Paradigm Analytical Laboratories, Inc. of Wilmington, North Carolina. Data validation was performed for 117 polychlorinated biphenyls (PCBs) samples, 55 volatile organic compounds (VOCs) samples, 47 semi-volatile organic compounds (SVOCs) samples, 43 polychlorinated dibenzo-p-dioxin (PCDD)/polychlorinated dibenzofuran (PCDF) samples, 47 metals samples, and 47 cyanide/sulfide samples that were collected.

### 2.0 Data Evaluation Procedures

This memorandum outlines the applicable quality control criteria utilized during the data review process and any deviations from those criteria. The data review was conducted in accordance with the following documents:

- Field Sampling Plan/Quality Assurance Project Plan, General Electric Company, Pittsfield, Massachusetts, Blasland, Bouck & Lee, Inc. (approved October 17, 2000);
- Region I Tiered Organic and Inorganic Data Validation Guidelines, USEPA Region I (July 1, 1993);
- Region I Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analyses, USEPA Region I (June 13, 1988) (Modified February 1989);
- Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses, USEPA Region I (February 1, 1988) (Modified November 1, 1988);
- Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses, USEPA Region I (Draft, December 1996); and,
- National Functional Guidelines for Dioxin/Furan Data Validation, USEPA (Draft, January 1996).

A tabulated summary of the Tier I and Tier II data evaluation is presented in Table 1. Each sample subjected to evaluation is listed in Table 1 to document that data review was performed as well as present the highest level of data validation (Tier I or Tier II) that was applied. Samples that required data qualification are listed separately for each parameter (compound or analyte) that required qualification.

The following data qualifiers have been used in this data evaluation.

- J The compound or analyte was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound or analyte is detected at estimated concentrations less than the practical quantitation limit (PQL).
- U The compound or analyte was analyzed for, but was not detected. The sample quantitation limit is presented and adjusted for dilution and (for solid samples only) percent moisture. Non-detected sample results are presented as ND(PQL) within this report and in Table 1 for consistency with previous documents prepared for this investigation.
- UJ The compound or analyte was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual level of quantitation. Non-detected sample results that required qualification are presented as ND(PQL) J within this report and in Table 1 for consistency with previous documents prepared for this investigation.
- R Indicates that the previously reported detection limit or sample result has been rejected due to a major deficiency in the data generation procedure. The data should not be used for any qualitative or quantitative purposes.

### 3.0 Data Validation Procedures

The FSP/QAPP provides (in Section 7.5) that all analytical data will be validated to a Tier I level following the procedures presented in the *Region I Tiered Organic and Inorganic Data Validation Guidelines* (USEPA guidelines). Accordingly, 100 percent of the analytical data for these investigations were subjected to Tier I review. The Tier I review consisted of a completeness evidence audit as outlined in the *USEPA Region I CSF Completeness Evidence Audit Program* (USEPA Region I, 7/31/91) to ensure that all laboratory data and documentation were present. A tabulated summary of the samples subjected to Tier I and Tier II data evaluation is presented below.

		Tier I Only			Tier I & Tier II		
Parameter	Samples	Duplicates	Blanks	Samples	Duplicates	Blanks	Total
PCBs	24	1	2	82	3	5	117
VOCs	0	0	0	35	2	18	55
SVOCs	0	0	0	35	3	9	47
PCDDs/PCDFs	0	0	0	28	7	8	43
Metals	0	0	0	35	3	9	47
Cyanide/Sulfide	0	0	0	35	3	9	47
Total	24	1	2	250	22	58	356

Summary of Samples Subjected to Tier I and Tier II Data Validation

In the event that data packages were determined to be incomplete, the missing information was requested from the laboratory. Upon completion of the Tier I review, the data packages complied with the USEPA Region I Tier I data completeness requirements.

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As specified in the FSP/QAPP, approximately 25 percent of the laboratory sample delivery group packages were randomly chosen to be subjected to a Tier II review. A Tier II review was also performed to resolve data usability limitations that were identified from laboratory qualification of the data during the Tier I data review. The Tier II data review consisted of a review of all data package summary forms for identification of quality assurance/quality control (QA/QC) deviations and qualification of the data according to the Region I Data Validation Functional Guidelines. Due to the variable sizes of the data packages and the number of data qualification issues identified during the Tier I review, approximately 93 percent of the data were subjected to a Tier II review. The Tier II review resulted in the qualification of data for several samples due to minor QA/QC deficiencies. Additionally, all field duplicates were examined for relative percent difference (RPD) compliance with the criteria specified in the FSP/QAPP.

When qualification of the sample data was required, the sample results associated with a QA/QC parameter deviation were qualified in accordance with the procedures outlined in the USEPA Region I data validation guidance documents. When the data validation process identified several quality control deficiencies, the cumulative effect of the various deficiencies was employed in assigning the final data qualifier. A summary of the QA/QC parameter deviations that resulted in data qualification is presented below for each analytical method.

### 4.0 Data Review

Initial calibration criterion for organic analyses requires that the average relative response factor (RRF) have a value greater than 0.05. Sample results were qualified as an estimate (J) when this criterion was exceeded. The compounds that exceeded initial calibration criterion and the number of samples qualified are presented below.

Analysis	Compound	Number of Affected Samples	Qualification	
VOCs	1,4-Dioxane	55	J	
	Acetonitrile	21	J	
	Acrolein	55	J	
	Isobutanol	55	J	
	Propionitrile	55	J	
SVOCs	Aramite	47	J	

Analysis Qualified Due to Initial Calibration Deviations

Continuing calibration criterion for organic analyses requires that the continuing calibration RRF have a value greater than 0.05. Sample results were qualified as an estimate (J) when this criterion was exceeded. The compounds that exceeded continuing calibration criterion and the number of samples qualified are presented below.

Analysis	Compound	Number of Affected Samples	Qualification
SVOCs	4-Nitroquinoline-1-oxide	37	J
	Hexachlorophene	47	J
	Methapyrilene	32	J
	Pentachloronitrobenzene	21	J

Analysis Qualified Due to Continuing Calibration Deviations (RRF)

Several of the organic compounds (including the compounds presented in the two tables above detailing RRF deviations) exhibit instrument response factors (RFs) that are below the USEPA Region I minimum value of 0.05, but meet the analytical method criterion, which does not specify minimum response factors for these compounds. These compounds were analyzed by the laboratory at a higher concentration than the compounds that normally exhibit RFs greater than the USEPA Region I minimum value of 0.05 in an effort demonstrate acceptable response. USEPA Region I guidelines state that non-detected compound results associated with a RF less than the minimum value of 0.05 are to be rejected. However, the case of these select organic compounds, the RF is an inherent problem with the current analytical methodology; therefore, the non-detected samples results were qualified as estimated (J).

The continuing calibration criterion requires that the %D between the initial calibration RRF and the continuing calibration RRF for VOCs and SVOCs be less than 25 percent. Sample data for detected and nondetected compounds with %D values that exceeded the continuing calibration criterion were qualified as approximated (J). A summary of the compounds that exceeded continuing calibration criterion and the number of samples qualified due to those deviations are identified below.

Analysis	Compound	Number of Affected Samples	Qualification
VOCs	1,4-Dioxane	5	J .
	2-Chloroethylvinylether	11	J
	2-Hexanone	4	J
	Acetonitrile .	10	J
	Dichlorodifluoromethane	1	J
	Isobutanol	5	J
	Trichlorofluoromethane	15	J
SVOCs	1,2,4,5-Tetrachlorobenzene	4	J
	1,3,5-Trinitrobenzene	1	J
	1,3-Dinitrobenzene	7	J
	1,4-Naphthoquinone	2	J
	1-Naphthylamine	20	J
	2,4-Dinitrophenol	4	J
	2,6-Dinitrotoluene	5	J
	2-Acetylaminofluorene	7	J
	2-Naphthylamine	5	J
	2-Nitroaniline	5	J
	3&4-Methylphenol	1	J
	3,3'-Dichlorobenzidine	20	J
	3,3'-Dimethylbenzidine	14	J
	3-Methylcholanthrene	18	J
	4-Aminobiphenyl	9	J
	4-Chloroaniline	6	J
	4-Nitrophenol	8	J
	4-Nitroquinoline-1-oxide	21	J
	7.12-Dimethylbenz(a)anthracene	8	J
	a,a'-Dimethylphenethylamine	5	J
	Acetophenone	6	J

#### Compounds Qualified Due to Continuing Calibration of %D Values

Analysis	Compound	Number of Affected Samples	Qualification
	Aramite	7	and the second se
	Benzidine	18	J
	Benzo(g,h,i)perylene	6	J
	bis(2-Chloroisopropyl)ether	30	J
	Butylbenzylphthalate	13	J
	Dibenzo(a,h)anthracene	6	J
	Ethyl Methanesulfonate	11	J
	Hexachlorocyclopentadiene	15	J
	Hexachloroethane	2	J
SVOCs	Hexachlorophene	19	J
	Hexachloropropene	30	J
	Isodrin	2	J
	Methapyrilene	13	J
	N-Nitroso-di-n-butylamine	22	J
	N-Nitrosomorpholine	29	J
	N-Nitrosopyrrolidine	6	J
	o,o,o-Triethylphosphorothioate	17	J
	o-Toluidine	3	J
	p-Dimethylaminoazobenzene	6	J
	Pentachloroethane	15	J
	Pentachloronitrobenzene	9	J
	Phenacetin	9	J
	Pyridine	18	J
	Thionazin	2	J

Compounds Qualified Due to Continuing Calibration of %D Values

Contract required detection limit (CRDL) standards were analyzed to evaluate instrument performance at low-level concentrations that are near the analytical method PQL. These standards are required to have recoveries between 80 and 120 percent to verify that the analytical instrumentation was properly calibrated. When CRDL standard recoveries exceeded the 80 to 120 percent control limits, the affected samples with detected results at or near the PQL concentration (less than 3 times the PQL) were qualified as approximated (J). The analytes that exceeded CRDL criteria and the number of samples qualified due to those deviations are presented below.

Analysis	Analytes	Number of Affected Samples	Qualification
Inorganics	Antimony	8	J
	Cadmium	5	J
	Lead	1	J
l I	Selenium	22	J
	Thallium	9	J

Analytes Qualified Due to CRDL Standard Deviations

Field, laboratory, and method blanks were analyzed to evaluate whether field sampling equipment or laboratory background contamination may have contributed to the reported sample results. When detected analytes were identified in a blank sample, blank action levels were calculated at ten times the blank concentrations for the common laboratory contaminant compounds (OCDD and OCDF) and five times the blank concentration for all other detected analytes. Detected sample results that were below the blank action level were qualified with a "U". The analytes detected in the method blanks and which resulted in qualification of sample data are presented below.

Analysis	Compound	Number of Affected Samples	Qualification
PCDDs/PCDFs	1,2,3,4,6,7.8-HpCDD	2	U
	1.2,3,4,6,7,8-HpCDF	3	U
	1,2,3,4,7,8•HxCDF	1	U
	1,2,3,6,7,8-HxCDF	1	U
:	1,2,3,7,8,9-HxCDF	1	U
	1,2,3,7,8-PeCDF	2	U
	2,3,7,8-TCDF	1	U
	HpCDFs (total)	1	U
	OCDD	7	U
	OCDF	1	U
	PeCDDs (total)	1	U

Compounds	Qualified	Due to	Blank	Deviations
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Matrix spike (MS) sample analysis recovery criteria for inorganics require that spike recoveries be between 75 and 125 percent and for organics require that the MS recoveries be within the laboratory generated QC acceptance limits specified on the MS reporting form. Inorganic sample results that exceeded these limits but, had MS recoveries greater than 30 percent were qualified as approximated (J). Organic sample results that exceeded laboratory generated QC acceptance limits and have MS recoveries greater than 10 percent were qualified as approximated (J). Organic sample results with MS recoveries less than 10 percent were qualified as rejected (R). Analytes that did not meet MS recovery criteria and the samples qualified due to those deviations are presented below.

Analytes/Compounds (	<b>Ouslified Due to Matrix</b>	Spike Recovery Deviations

Analysis	Analyte/Compounds	Number of Affected Samples	Qualification
Inorganics	Antimony	4	J
	Mercury	1	J
	Sulfide	3	J
VOCs	Toluene	1	J
PCBs	Aroclor-1016	1	R
	Aroclor-1221	1	R
	Aroclor-1232	1	R
	Aroclor-1242	1	R
	Aroclor-1248	1	R
	Aroclor-1254	1	R
	Aroclor-1260	1	R
	Total PCBs	1	R

The analytical laboratory is required to analyze one sample per analytical batch using a 5-fold dilution to evaluate matrix interference. Analytes with results greater than 50 times the IDL in the undiluted sample are evaluated to determine if a matrix interference exists. These analytes are required to have less than a 10 percent difference (%D) between sample results from the undiluted sample and results for the same sample analyzed with a 5-fold dilution. Detected results that were greater than 50 times the IDL were qualified as approximated (J) for analytes with a %D greater than 10 percent. The inorganic analytes that did not meet ICP serial dilution requirements and the number of samples qualified due to those requirements are presented below.

Analysis	Analytes	Number of Affected Samples	Qualification
Inorganics	Lead	7	J
	Zinc	7	J

Analytes Qualified Due to ICP Serial Dilution Deviations

### 5.0 Overall Data Usability

This section summarizes the analytical data in terms of its completeness and usability for site characterization purposes. Data completeness is defined as the percentage of sample results that have been determined to be usable during the data validation process. Data completeness with respect to usability was calculated separately for inorganic and each of the organic analyses. The percent usability calculation included analyses evaluated under both the Tier I and Tier II data validation reviews. The percent usability calculation also includes quality control samples collected to aid in the evaluation of data usability. Therefore, field/equipment blank, trip blank, and field duplicate data determined to be unusable as a result of the validation process are represented in the percent usability value tabulated below.

	Data Usadinty	
Parameter	Percent Usability	Rejected Data
Inorganics	100	None
Cyanide and Sulfide	100	None
Volatile Organics	100	None
Semivolatile Organics	100	None
PCBs	99.1	A total of 8 PCBs sample results were rejected due to MS recovery deviations
PCDDs/PCDFs	100	None

Data Usability

The data package completeness as determined from the Tier I data review was used in combination with the data quality deviations identified during the Tier II data review to determine overall data quality. As specified in the FSP/QAPP, the overall precision, accuracy, representativeness, comparability, and completeness (PARCC) parameters determined from the Tier I and Tier II data reviews were used as indicators of overall data quality. These parameters were assessed through an evaluation of the results of the field and laboratory QA/QC sample analyses to provide a measure of compliance of the analytical data with the data quality objectives (DQOs) specified in the FSP/QAPP. Therefore, the following sections present summaries of the PARCC parameters assessment with regard to the DQOs specified in the FSP/QAPP.

### 5.1 Precision

Precision measures the reproducibility of measurements under a given set of conditions. Specifically, it is a quantitative measure of the variability of a group of measurements compared to their average value. For this investigation, precision was defined as the RPD between duplicate sample results. The duplicate samples used to evaluate precision included laboratory duplicates, field duplicates, MS/MSD samples, and ICP serial dilution samples. For this analytical program, 0.13 percent of the data were qualified for ICP serial dilution deviations. None of the data required qualification for laboratory duplicate RPD deviations, MS/MSD RPD deviations, or field duplicate RPD deviations.

### 5.2 Accuracy

Accuracy measures the bias in an analytical system, or the degree of agreement of a measurement with a known reference value. For this investigation, accuracy was defined as the percent recovery of QA/QC samples that were spiked with a known concentration of an analyte or compound of interest. The QA/QC samples used to evaluate analytical accuracy included instrument calibration, internal standards, laboratory control standards (LCSs), MS/MSD samples, CRDL samples, and surrogate compound recoveries. For this analytical program, 8.3 percent of the data required qualification for calibration deviations, 0.45 percent of the data required qualification for CRDL standard recoveries, and 0.15 percent of the data required qualification for MS/MSD recoveries. None of the data required qualification for surrogate compound recovery deviations, internal standard recovery deviations, and LCS recovery deviations.

### 5.3 Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, or an environmental condition. Representativeness is a qualitative parameter which is most concerned with the proper design of the sampling program. The representativeness criterion is best satisfied by making certain that sampling locations are selected properly and a sufficient number of samples are collected. This parameter has been addressed by collecting samples at locations specified in Agency approved work plans, and by following the procedures for sample collection/analyses that were described in the FSP/QAPP. Additionally, the analytical program used procedures that were consistent with USEPA approved analytical methodology. A QA/QC parameter that is an indicator of the representativeness of a sample is holding time. Holding time criteria are established to maintain the samples in a state that is representative of the in-situ field conditions before analysis. For this analytical program, none of the data required qualification for exceeding holding time requirements.

### 5.4 Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. This goal was achieved through the use of the standardized techniques for sample collection and analysis presented in the FSP/QAPP. The USEPA SW-846<sup>1</sup> analytical methods presented in the FSP/QAPP are updated on occasion by the USEPA to benefit from recent technological advancements in analytical chemistry and instrumentation. In most cases, the method upgrades include the incorporation of new technology that improves the sensitivity and stability of the instrumentation or allows the laboratory to increase throughput without hindering accuracy and precision. Overall, the analytical methods for this investigation have remained consistent in their general approach through continued use of the basic analytical techniques (i.e., sample extraction/preparation, instrument calibration, QA/QC procedures, etc.). Through this use of consistent base analytical procedures and by requiring that updated procedures meet the QA/QC

<sup>1</sup> Test Methods for evaluating Solid Waste, SW-846, USEPA, Final Update III, December 1996

criteria specified in the FSP/QAPP, the analytical data from past, present, and future sampling events will be comparable to allow for qualitative and quantitative assessment of site conditions.

### 5.5 Completeness

Completeness is defined as the percentage of measurements that are judged to be valid or usable to meet the prescribed DQOs. The completeness criterion is essentially the same for all data uses -- the generation of a sufficient amount of valid data. The actual completeness of this analytical data set ranged from 99.1 percent to 100 percent for individual analytical parameters and had an overall usability of 99.9 percent, which is greater than the minimum required usability of 90 percent as specified in the FSP/QAPP.

In conclusion, the rejected sample data for these investigations include sample analyses results for 8 PCBs at one sample location (RAA4-1 (0 - 1)) due to low MS recoveries deviations. Due to the matrix interference, additional sampling and reanalysis for these compounds is not recommended since subsequent reanalysis would also be subject to the same analytical performance limitations.

#### FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

#### ANALYTICAL DATA VALIDATION SUMMARY

(Results are presented in parts per million, ppm)

Sample Delivery		Date		Validation							
Group No.	Sample ID	Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	<b>Control Limits</b>	Qualified Result	Notes
PCBs	,									· · · · · · · · · · · · · · · · · · ·	
and the second	RA-1 (0 - 2)	1/17/01	Soil	Tier II	No						
	RA-1 (2 - 5)	1/17/01	Soil	Tier II	No					and a second realised ranks and the second se	
	RA-1 (5 - 14)	1/17/01	Soil	Tier II	No						
A0P416 C	RA-2 (0 - 2)	1/17/01	Soil	Tier II	No					-	
A0P416 C	TRA-2 (2 - 5)	1/17/01	Soil	Tier II	No					walter and ten Mary	
	'RA-2 (5 - 14)	1/17/01	Soil	Tier fl	Na					and and a second se	
	RA-1 (0 - 2)	1/17/01	Soil	Tier II	No						
	(RA-3 (2 - 5)	1/17/01	Soil	Tier II	No						
	RA-3 (5 - 14)	1/17/01	Soil	Tier II Tier II	No			······	و ان من من من ما ان <b>من المان التي بار السا</b> ر بر مان السوار م	ى دەرىپىيە سەرىپىلىرىكى بىرىكى ئەرىپىلەر ئەرىپىلەر ئەرىپىلەر بىرىكى بىرىكى بىرىكى بىرىكى بىرىكى بىرىكى بىرىكى ب	
	RA-DUP-1 (5 - 14)	1/17/01	Soil	Tier II	Na Na			an dama ayana ann aifig ay gayatain a ballaria fabhada an dag			Duplicate of CRA-1
	RA-RB-1	1/18/01	Water Soil	Tier 1	No			······	ana mana sa kata ng mga nang atika kanan mang atika kanan na na na na	a de la décimienta de la completa d	
	(RA-4 (0 - 2) (RA-4 (2 - 5)	1/18/01	Soil	Tierl	No					······································	
	RA4(5-14)	1/18/01	Soil	Tier I	No			a a ta baran a sa ana ana ang a sa pagan 2000-00 - 10 ang			
	RA-5 (0 - 2)	1/18/01	Soil	Tier 1	No					- 1019 (and 101	۵. ۲۰ میروند (۲۰۰۰ میلاد (۲۰۰۰ میلاد میلاد میلاد میلاد میلاد (۲۰۰۰ میلاد (۲۰۰۰ میلاد (۲۰۰۰ میلاد (۲۰۰۰ میلاد م
	RA-5 (2 - 5)	1/18/01	Soil	Tier I	No					· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
	(RA-5 (5 - 14)	1/18/01	Soil	Tier 1	No	· · · · · · · · · · · · · · · · · · ·			,	an a	
	CRA-6 (0 - 2)	1/18/01	Soil	Tier 1	No						
	CRA-6 (2 - 5)	1/18/01	Soit	Tier 1	No						
1A0P448 (	CRA-6 (5 - 14)	1/18/01	Soit	Tier I	No					entertainen op geget februarier en star - Janger present	
1A0P448	(RA-7 (0 - 2)	1/18/01	Soit	Tier I	No						
	(RA-7 (2 - 5)	1/18/01	Soit	Tier I	No						
	CRA-7 (5 - 14)	1/18/01	Soit	Tierl	No						
	RA-DUP-1 (5 - 14)	1/18/01	Soit	Tier I	No						Duplicate of CRA-7
	RA-RB-1	1718/01 1/19/01	Water	Tier I	No	······································				······································	
	(RA-14 (0 - 2)	1/19/01	Soil Soil	Tier I	No No		· · · · · · · · · · · · · · · · · · ·	······································	·····		
	CRA-14 (2 - 5) CRA-14 (5 - 14)	1/19/01	Soil	Tierl	No						
1A0P496	(RA-15 (0 - 2)	1/19/01	Soil	Tierl	No						
	CRA-15 (2 - 3)	1/19/01	Soil	Tier I	No		· · · · · · · · · · · · · · · · · · ·				
	CRA-15 (5 - 14)	1/19/01	Soil	Tier I	No						
	(RA-16 (0 - 2)	1/19/01	Soil	Tier I	No						
1A0P496	CRA-16 (2 - 5)	1/19/01	Soil	Tier I	No			1		and the second	
	CRA-16 (5 - 14)	1/19/01	Soil	Tier 1	No						
1A0P496 0	CRA-17(0 - 2)	1/19/01	Soil	Tier I	No						
	CRA-17(2 - 5)	1/19/01	Sail	Tier 1	No						
	CRA-17(5-14)	1/19/01	Soil	Tier I	No					and a state in the state of the	
	('RA-RB-I	1/19/01	Water	Tier 1	No		<b></b> ,			<b>_</b>	
	CRA-10 (0 - 2)	1/22/01	Soil	Tier II	No						
	CRA-10 (2 - 5)	1/22/01	Soil	Tier II Tier II	No		<u>}</u>	<b> </b>			
	(RA-10(5 - 14)	1/22/01	Soil	Tier II	No		<u> </u>		+		
	CRA-8 (0 - 2)	1/22/01	Soil Soil	Tier II	No No		<b> </b>	<u>+</u>	· · · · · · · · · · · · · · · · · · ·	a	
	('R <u>A-8 (2 - 5)</u> ('RA-8 (5 - 14)	1/22/01	Soil	Tier II	No		<u>+</u>	+	17 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		an a
	CRA-9 (0 - 2)	1/22/01	Soil	Tier II	No		t			······································	
	(RA-9 (2 - 5)	1/22/01	Soil	Tier II	Na		<u>†</u>	+	+	t	······································
	RA-9 (5 - 14)	1/22/01	Soil	Tier II	No	· · · · · · · · · · · · · · · · · · ·			an Anna a		
	RA-RB-1	1/22/01	Water	Tiet II	No			1			
service in the low rate in the second s	(RA-11 (0 - 2)	1/23/01	Soil	Tier II	No		1	1	an far hann de annan an an an an an an tha na mai fachanar a' beird an 19	And a second of the second name of providence and the first second second second second second second second s	n a sea a su a su da a da anticipada da da a da a da a da a da a da a d
	(RA-11 (2 - 5)	1/23/01	Soil	Tier II	No		[	To be for the second		and the second	and a second of the second
	(RA-11 (5 - 14)	1/23/01	Soil	Tier II	No						an an ann an an an an ann an an an an an
	CRA-12 (0 - 2)	1/23/01	Soil	Tier II	No						
LA0P545	(RA 12 (2 - 5)	1/23/01	Sail	Tier U	No						
	(RA-12 (5 - 14)	1/23/01	Soil	Tier II	No						
LA0P545 0	RA-13 (0 - 2)	1/23/01	Soil	Tier II	No						
TA0P\$45	(RA-13 (2 - 5)	1/23/01	Soil	Tier II	No					1	

## TABLE I GENERAL ELECTRIC COMPANY - PIFTSFIELD, MASSACHUSETTS

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### FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

#### ANALYTICAL DATA VALIDATION SUMMARY (Results are presented in parts per million, ppm)

Sample Delivery		Date	T	Validation	1						
Greup Ne.	Sample ID	Collected	Matrix	Level	Qualification	Compound	04/00 0				
PCBs (continued)					1	Т	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
1A0P128	RAAI-DUP-15 (0 - 1)	1/5/01	Soil	Tier II	No	T	7				
LA0P545	CRA-13 (5 - 14)	1/23/01	Soil	Tier II	No		+		+		Duplicate of RAAI-II
LAOP545	CRA-18 (0 - 2)	1/23/01	Soil	Tier II	No		+		+		
LAOP545	CRA-18 (2 - 5)	1/23/01	Soil	Tier II	No			<u>_</u>			
LAOP545	CRA-18 (5 - 14)	1/23/01	Soil	Tier II	No		+		+		
LA0P545	CRA-19 (0 - 2)	1/23/01	Soil	Tier II	No		+		·		
1A0P545	CRA-19 (2 - 5)	1/23/01	Soil	Tier II	No	1		<b>.</b>		-	
1A0P545	CRA-19 (5 - 14)	1/23/01	Soil	Tier II	No		·				
1A0P545	CRA-RD-1	1/23/01	Water	Ties II	No						
1A0P592	CRA-RB-1	1/24/01	Water	Tier II	No			<b></b>			
1A0P592	RAA4-16 (0 - 1)	1/24/01	Soil	Tier II	No		······································				
1 A0P592	RAA4-16 (1 - 6)	1/24/01	Soil	Tier II	No		1		1		
1A0P592	RAA4-16 (6 - 15)	1/24/01	Soil	Tier II	No		1				
1A0P592	RAA4-2 (0 - 1)	1/24/01	Soil	Tier II	No			······································			
1A0P592 1A0P592	RAA4-2 (1 - 6)	1/24/01	Soil	Tier II	No						
1A0P392	RAA4-2 (6 - 15)	1/24/01	Soil	Tier II	No			······································			
1A0P392	RAA4-4 (0 - 1)	1/24/01	Soil	Tier II	No						
1A0P392 1A0P592	RAA4-4 (1 - 6)	1/24/01	Seil	Tier []	No						
	RAA4-4 (6 - 15) RAA4-17 (0 - 1)	1/24/01	Soit	Tier II	No			·····			
	RAA4-17 (1 - 6)	1/29/01	Sail	Tier B	No			······································			
1A0P691	RAA4-17 (6 - 15)	1/29/01	Soil	Tier II	No						
	RAA4-17 (0 - 13)	1/29/01	Soil	Tier II	No				······································	ana ina ina pangana ina ina ina ina ina ina ina ina ina	
	RAA4-18 (1 - 6)	1/29/01	Soil Soil	Tier II	No						
	RAA4-18 (6 - 15)	1/29/01		Tier II	No						
	RAA4-19 (0 - 1)	1/29/01	Soil Soil	Tier []	No					analis dia 1999 (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999) (1999)	
1A0P691	RAA4-19(1-6)	1/29/01	Soil	Tier II	No						
1A0P691	RAA4-19 (6 - 15)	1/29/01	Soil	Tier []	No No						- 10-17-20-00-00-00-00-00-00-00-00-00-00-00-00-
	RAA4-20 (0 - 1)	1/29/01	Soil	Tier II							
and a characteristic and a second sec	RAA4-20 (1 - 6)	1/29/01	Soil	Tier II	No No						
	RAA4-20 (6 - 15)	1/29/01	Soil	Tier II	No						
1A0P691	RAA4-21 (0 - 1)	1/29/01	Soil	Tier II	No		·······				
1A0P691	RAA4-21 (1 - 6)	1/29/01	Soil	Tier II	No						
1A0P691	RAA4-21 (6 - 15)	1/29/01	Soil	Tier II	No						
	RAA4-DUP-1	1/29/01	Soil	Tier II	No						
1A0P691	RAA4-RB-1	1/29/01	Sail	Tier II	No						Duplicate of RAA4-19
IA0P716	RAA4-1 (0 - 1)	1/30/01	Soil	Tier II	Yes	Aroclor-1016					
			1			Aroclor-1221	MS %R MS %R	0.0%	50% to 110%	R	
						Aroclor-1232	MS %R	0.0%	50% to 130%	<u>R</u>	
						Aroclor-1242	MS %R	0.0%	50% to 130%	R	
		1				Arocior-1248	MS %R	0 0%	50% to 130%	<u> </u>	
						Aroclor-1254	MS %R	0.0%	50% to 130%	R	
						Aroclar-1260	MS %R	0.0%	50% to 130%	R	
				1		Total PCBs	MS %R	0.0%	50% to 130%	R	
	RAA4-10 (0 - 1)	1/30/01	Soil	Tier II	No		Dig /IR	0.0%	50% to 130%	R	
	RAA4-11 (0 - 1)	1/30/01	Soil	Tier II	No	······································	<u>├</u> ────┤		L		Contraction of the second statement of the second stat
	RAA4-12 (0 - 1)	1/30/01	Soil	Tier II	No		tt				
	RAA4-13 (0 - 1)	1/30/01	Soit	Tier II	Na						
	RAA4-14 (0 - 1)	1/30/01	Soil	Tier II	No		<u> </u>				
	RAA4-15 (0 - 1)	1/30/01	Soil	Tier 🛙	No		<u>├────</u>				
	RAA4-3 (0 - 1)	1/30/01	Soil	Tier II	No		<u> </u>				
	RAA4-5 (0 - 1)	1/30/01	Soil	Tier II	No		<u>├</u> }				
	RAA4-6 (0 - 1)	1/30/01	Soil	Tier II	No	······································					
	RAA4-7 (0 - 1)	1/30/01	Soil	Tier II	No						
	RAA4-B (0 - 1)	1/30/01	Soil	Tier II	No						
	RAA4-9 (0 - 1)	1/30/01	Soit	Tier II	No						
CBs (continued)							L				

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#### FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

#### ANALYTICAL DATA VALIDATION SUMMARY (Results are presented in parts per million, ppm)

Sample Delivery		Date		Validation										
Group No.	Sample ID	Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes			
A0P716	RAA4-DUP-1	1/30/01	Soil	Tier II	No						Duplicate of RAA4-8			
40P716	RAA4-RB-1	1/30/01	Water	Tier II	No						LASPICALE OF KAA4-8			
30P010	CRA-20 (0 - 2)	1/11/01	Soil	Tier II	No									
BOP010	CRA-20 (2 - 5)	1/31/01	Soil	Tier II	No	1								
BOPOIO	CRA-20 (5 - 14)	1/31/01	Soil	Tier II	No									
BOPOIO	CRA-21 (0 - 2)	1/31/01	Sait	Tier II	No		·····							
BOPOIO	CRA-21 (2 - 5)	1/01/01	Soil	Tiet II	No	<b>*</b>								
BOPOIO	CRA-21 (5 - 14)	1/31/01	Soil	Tier II	No									
BOPOID	CRA-22 (0 - 2)	1/11/01	Sail	Tier II	No	* ·····	····							
B0P010	CRA-22 (2 - 5)	1/31/01	Soil	Tier II	No	f								
BOPOIO	CRA-22 (5 - 14)	1/31/01	Soil	Tier II	No					· · · · · · · · · · · · · · · · · · ·				
BOPOIO	CRA-DUP-I	1/31/01	Soil	Tier II	No	t		•						
BOPOIO	X-RB-1	1/31/01	Water	Tier II	No						Duplicate of CRA-21			
BOPOIO	RAA4-22 (0 - 1)	1/31/01	Soil	Tier II	No			·····						
B0P010	RAA4-22 (1 - 6)	1/31/01	Soil	Tier II	No	ŧ								
BoPolo	RAA4-22 (6 - 15)	1/31/01	Soil	Tier II	No		—·····							
Ictals	E		L	1	100	L	<u>_</u>							
A0P416	CRA-1 (5 - 14)	1/17/01	Soil	TierII	Yes	Column			·					
		171.001	- 300	1.61	165	Cadmium	CRDL Standard %R	137 6%	80% to 120%	ND(1.90) J				
						Selenium	CRDL Standard %R	76 3%	80% to 120%	ND(0.960) 1				
	1					Thailium	CRDL Standard %R	72 5%	80% to 120%	ND(1.90) J				
						Antimony	MS %R	67 8%	75% to 125%	ND(12.0) J				
						Lead	Serial Dilution	77.7%	<10%	1401				
		111.2001				Zinc	Serial Dilution	76 9%	<10%	56 O J	and a second			
A0P416	CRA-2 (2 - 5)	1/17/01	Soil	Tier II	Yes	Cadmium	CRDL Standard %R	137.6%	80% to 120%	ND(2 10) J				
						Selenium	CRDL Standard %R	76 3%	80% to 120%	ND(1 10) J				
						Thallium	CRDL Standard %R	72.5%	80% to 120%	ND(2.10) J				
						Antimony	MS %R	67 8%	75% to 125%	ND(13.0) J				
	l					Lead	Serial Dilution	77 7%	<10%	1201				
** * <b>in</b> also front the sale makes many also a survey			·			Zinc	Serial Dilution	76 9%	<10%	6101	*****			
A0P416	CRA-3 (5 - 14)	1/17/01	Soil	Tier II	Tier II	Tier II	Tier II	Yes	Cadmium	CRDL Standard %R	137 6%	80% to 120%	ND(2 10) J	
						Selenium	CRDL Standard %R	76 3%	80% to 120%	ND(110)1				
						Thallium	CRDL Standard %R	72 5%	80% to 120%	ND(2 10) J				
						Antimony	MS %R	67 8%	75% to 125%					
						Lead	Serial Dilution	77 7%	<10%	ND(13.0) J				
-						Zinc	Serial Dilution	76 9%	×10%	2401				
A0P416	CRA-DUP-2 (5 - 14)	1/17/01	Soil	Tier II	Yes	Cadmium	CRDL Standard %R	137 6%	80% to 120%	98.01				
						Antimony	MS %R	67 8%		ND(1.90) J	Duplicate of CRA-3			
						Lead	Serial Dilution	17 7%	75% to 125%	ND(110)1				
						Zinc	Serial Dilution	76 9%	<10%	23.0.1				
A0P416	CRA-RB-1	1/17/01	Water	Tier II	Yes	Cadmium	CRDL Standard %R	137.6%	<10%	82.0 J				
A0P448	CRA-5 (9 - 2)	1/18/01	Soil	Tier II	No		CROE Standard 76K	13/074	80% to 120%	ND(0.0100) J				
A0P448	CRA-6 (2 - 5)	1/18/01	Soil	Tier II	No									
A0P448	CRA-7 (0 - 2)	1/18/01	Soil	Tier II	No	t								
A0P448	CRA-RD-1	1/18/01	Water	Tier II	Yes	Mercury								
A0P496	CRA-14 (0 - 2)	1/19/01	Soil	Tier II	No	(incruity	MS %R	37 0%	75% to 125%	ND(0.000200) 1				
A0P4%	CRA-15 (5 - 14)	1/19/01	Soil	Tier II	No									
A0P496	(RA-16(0 - 2)	1/19/01	Soil	Tier fl	No	F								
40P496	(RA-17(5 - 14)	1/19/01	Soil	Tier II	No			· · · · · · · · · · · · · · · · · · ·			1			
A0P496	CRA-RB-I	1/19/01	Soil	Tier II										
A0P519	CRA-10 (2 - 5)	1/22/01	Water	Tier II	No			·····			1			
2001.01.7	C. 191 ( 19 ( 19 )	142101	VT ALCI	5 ICT 11	Yes	Astimony	CRDL Standard %R	73 4%	80% to 120%	ND(120)J	1			
						i.ead	CRDL Standard %R	70 5%	80% to 120%	180J	1			
		1				Selenium	CRDL Standard %R	133.6%	80% to 120%	ND(1.00) J	· · · · · · · · · · · · · · · · · · ·			
A0P519	CRA-8 (2 - 5)	1/22/01	Soil	Tier II	No					- Andrew Contraction and the second	**************************************			
A0P519	CRA-9 (5 + 14)	1/22/01	Soit	Tier II	No					······································				
A0P519	CRA-RH-1	1/22/01	Water	Tier II	No		1 1				-			

#### FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

#### ANALYTICAL DATA VALIDATION SUMMARY

(Results are presented in parts per million, ppm)

Sample Delivery		Date		Validation							1
Group No.	Sample ID	Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
letals (continued	t)							······			
A0P545	CRA-11 (0 - 2)	1/23/01	Soil	Tier II	Yes	Antimony	CRDL Standard %R	120 0%	80% to 120%	ND(130) J	T
						Thallium	CRDL Standard *4R	130,0%	80% to 120%	ND(2.10) J	
A0P545	CRA-12 (0 - 2)	1/23/01	Soil	Tier II	Yes	Antimony	CRDL Standard %R	120 0%	80% to 120%	ND(12.0) J	
						Thallium	CRDL Standard %R	130.0%	80% to 120%	ND(2 10) 1	
A0P545	ICRA-13 (5 - 14)	1/21/01	Soil	fier II	Yes	Antimony	CRDL Standard %R	120.0%	80% to 120%	ND(150) J	
AUT 147					102	Thallium	CRDL Standard %R	130.0%	80% to 120%		••••••••••••••••••••••••••••••••••••••
A0P545	CRA-18 (0 - 2)	1/23/01	Soil	Tier fl	Yes	Antimony	CRDL Standard %R	130.0%	80% to 120%	ND(2.40) J	
AVE 342	( KA-16 (0 · 2)				res	Thallium	CRDL Standard %R	130 0%	80% to 120%	ND(120) J	and an a close second to be a construction of
A0P545	CRA-19 (2 - 5)	1/23/01	Soil	Tiertl	Yes	Antimony	CRDL Standard %R	120 0%		ND(2.00) /	
AUP : 14 5	(CRA-19 (2 - 5)	112/101	300	i necu	162	Thallium	CRDI. Standard %R		80% to 120%	NIX(12.0) 1	
A0P545	CRA-DUP-2	1/23/01	Soil	Tier II	Yes	• · · · · · · · · · · · · · · · · · · ·		130.0%	80% so 120%	ND(1.90) J	
AU(2343	LCKA-DUP-2	1723/01	501	i ier ii	res	Antimony	CRDL Standard %R	120.0%	80% to 120%	ND(14 0) J	Duplicate of CRA-18
A0P545	CRA-RB-I	1/23/01	Water	Tier II		Thailium	CRDL Standard %R	130.0%	80% to 120%	ND(2 30) /	
		1/24/01		Tier II	No						
A0P592	CRA-RB-1	1/24/01	Water	Tier II	No	<u> </u>		·····			
A0P592	RAA4-16 (6 - 15)	1/24/01	Soil	Tierta	Yes	Lead	Serial Dilution	80.1%	<10%	1301	
		171/01				Zinc	Serial Dilution	78 9%	<10%	5201	
A0P592	RAA4-2 (6 - 15)	1/24/01	Soil	Tier II	Yes	Lead	Serial Dilution	80.1%	<10%	3401	
	1		<b>\</b>			Zinc	Serial Dilution	78 9%	<10%	1019	
A0P592	RAA4-4 (6 - 15)	1/24/01	Soil	Tier II	Yes	Lead	Serial Dilution	\$0.1%	<10%	1701	
			L	l	· · · · · · · · · · · · · · · · · · ·	Zinc	Serial Dilution	78 9%	<10%	54 û J	
A0P691	RAA4-17 (0 - 1)	1/29/01	Soil	Tier II	Yes	Selenium	CRDL Standard %R	57.6%	80% to 120%	ND(1.20) J	
A0P691	RAA4-18 (1 - 6)	1/29/01	Soil	Tier II	Yes	Selenium	CRDL Standard %R	57 6%	80% to 120%	ND(0 \$50) 1	
A0P691	RAA4-19(0 - 1)	1/29/01	Soil	Tier II	Yes	Selenium	CRDL Standard %R	57.6%	80% to 120%	ND(1 20) J	1
A0P691	RAA4-19(1-6)	1/29/01	Soil	Tier II	Yes	Scienium	CRDL Standard %R	57 6%	80% to 120%	ND(0 810) J	· · · · · · · · · · · · · · · · · · ·
A0P691	RAA4-21 (6 - 15)	1/29/01	Soil	Tier II	Yes	Selenium	CRDL Standard %R	57 6%	80% to 120%	ND(1 20) J	* Contraction of the second branching of the second br
A0P691	RAA4-RB-1	1/29/01	Water	Tier []	Yes	Απάτειοηγ	CRDL Standard %R	121 8%	80% to 120%	ND(0.00500) J	a para sa
A0P716	RAA4-1 (0 - 1)	1/30/01	Soil	Tier II	Yes	Selenium	CRDL Standard %R	127.8%	80% to 120%	ND(1 00) J	
A0P716	RAA4-10 (0 - 1)	1/30/01	Soil	Tier II	Yes	Selenium	CRDL Standard %R	127.8%	80% to 120%	NIX(110)1	
A0P716	RAA4-13 (0 - 1)	1/30/01	Soil	Tier II	Yes	Scienium	CRDL Standard %R	127 8%	80% to 120%	ND(1.20) J	
A0P716	RAA4-15 (0 - 1)	1/30/01	Soil	Tier II	Yes	Selenium	CRDL Standard %R	127 8%	80% to 120%	ND(1.00) J	
A0P716	RAA4-5 (0 - 1)	1/30/01	Soil	Tier II	Yes	Selenium	CRDL Standard %R	127 8%	80% to 120%	ND(1.00) J	
A0P716	RAA4-8 (0 - 1)	1/30/01	Soil	Tier II	Yes	Selenium	CRDL Standard %R	127 8%	80% to 120%	ND(0.990) J	
A0P716	RAA4-DUP-1	1/30/01	Soil	Tier II	Yes	Selenium	CRDL Standard %R	127.8%	80% to 120%	ND(1 20) J	Diplicate of RAA4-8
A0P716	RAA4-RB-1	1/30/01	Water	Tier II	Yes	Selenium	CRDL Standard %R	127 8%	80% to 120%	ND(0 00500) J	TO PREAC OF KAA4-0
BOPOIO	CRA-20 (2 - 5)	1/31/01	Soil	Tier II	Yes	Selenium	CRDL Standard %R	127.8%	80% to 120%	ND(0 950) J	
BOPOLO	CRA-21 (0 - 2)	1/31/01	Soil	Tier II	Yes	Selenium	CRDL Standard %R	127.8%	80% to 120%	ND(1 10) J	
800010	CRA-22 (5 - 14)	1/31/01	Soil	Tier II	Yes	Selenium	CRDL Standard %R	127.8%	80% to 120%		
BOPOLO	RAA4-22 (1 - 6)	1/31/01	Soit	Tier II	Yes	Selenium	CRDL Standard %R	127 8%	80% to 120%	ND(1.00) J	
BePolo	X-RB-I	1/31/01	Water	Tier II	Yes	Selenium	CRDL Standard %R	127 8%		ND(1.00) J	
OC:	14-50-1		L Haici	1	163	Joelenium	CRDE Sundard %K	127 870	80% to 120%	ND(0.00500) J	
A0P416	CRA-1 (5 - 14)	1/17/01	Soil	Tier II		Tx 11.	LCC LL LUD		· · · · · · · · · · · · · · · · · · ·		······································
401410	CRAHO	1/1//01	201	1167 15	Yes	2-Hexanone	CCAL %D	36.4%	<25%	ND(0.013) J	
		1	1			1,4-Dioxane	ICAL RRF	0 012	>0.05	ND(0 20) J	
	j		1	1		Acrolein	ICAL RRF	0.013	>0.05	ND(0 13) J	1
				1		Isobutanol	ICAL RRF	0.008	>0.05	ND(0 26) J	
	]	1	ł			Propionitrile	ICAL RRF	0016	>0.05	ND(0.064) J	1
		1.1.1.1.1.1				Toluene	MS %R	68 0%	75% to 125%	0 0046 J	
A0P416	('RA-2 (2 - 5)	1/17/01	Soil	Tier II	Yes	2-Hexanone	CCAL %D	36.4%	<25%	ND(0.014) J	
				1		1,4-Dioxane	ICAL RRF	0 012	>0.05	ND(0 20) J	
	Į.	ļ	ļ	1		Acrolein	ICAL RRF	0.013	+0.05	ND(014)3	
	1		ł			Isobutanol	ICAL RRF	0 008	>0.05	ND(0.28) J	**************************************
				1		Propionitrile	ICAL RRF	0 016	×0.05	NIX(0 071) 1	***
A0P416	('RA-3 (5 - 14)	1/17/01	Soil	Tier II	Yes	2-Hexanone	CCAL %D	36.4%	<25%	ND(0.071) J	**************************************
			1	1		1,4-Dioxane	ICAL RRF	0.012	>0.05	ND(071)]	
			}	1		Acrolein	ICAL RRF	0 013	>0.05	ND(071))	
	1		1			Isobutanol	ICAL RRF	0 008	>0.05	ND(14) J	••••••••••••••••••••••••••••••••••••••
	1	1	ł	1		Propionitrile	ICAL RRF	0016	>0.05		-
	1		L	L	L	1. copromiting	pr AL KA	0.010	1 20.02	ND(0.36) J	1

### FITURE CITY RECREATIONAL AREA AND ADJACENT AREA

#### ANALYTICAL DATA VALIDATION SUMMARY (Results are presented in parts per million prom)

(results are presented in parts per mainen, p	թայ
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Sample Deliver	7	Date		Validation				1	1		
Group No.	Sample ID	Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limite	Qualified Result	<b>N</b> .
40P416	CRA-DUP-2 (5 - 14)	1/17/01	Soil	Tier II	Yes	2-Hexanone	CCAL %D	36,4%	<25%	and the second se	Notes
				1		1.4-Dioxane	ICAL RRF	0.012	>0.05	ND(0.064) J	Duplicate of CRA-3
				1		Acrolein	ICAL RRF	0 013	>0.05	ND(0.64) J	······································
	Í					Isobutanol	ICAL RRF	0.008	>0.05	ND(0.64) J	
						Propionitrite	ICAL RRF	0016	>0.05	NU(13) J	
A0P416	CRA-RB-1	1/17/01	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0 003	>0.05	ND(0 32) 1	
						Acetonitrile	ICAL RRF	0 044	>0.05	ND(0.20) 1	
						Acrolein	ICAL RRF	0 03	>0.05	ND(0.010) J	****
						Isobutanol	ICAL RRF	0 014	>0.05	ND(0 10) J	
						Propionitrile	ICAL RRF	0.011	>0.05	NO(0 20) J	
A0P416	2416 Trip Blank 1/17/01	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0 003	>0.05	NIX0 050) 1		
						Acetonitrile	ICAL RRF	0 044	>0.05	ND(0 20) J	
	1			1		Acrolein	ICAL RRF	0.03	>0.05	ND(0 010) J	
						Isobutanol	ICAL RRF	0.014	>0.05	ND(0 10) J	· · · · · · · · · · · · · · · · · · ·
						Propionitrile	ICAL RRF	0.014	>0.05	NEXO 20) J	
A0P448	CRA-5 (0 - 2)	1/18/01	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0 011		ND(0 050) J	
				Acrolein	ICAL RRF	0 013	>0.05	ND(0 20) J			
						Isobutanol	ICAL RRF	0 009	>0.05	ND(015)J	
				!		Propionittile	ICAL RRF	0 013	>0.03	NEXO 30] J	
A0P448	('RA-6 (2 - 5)	1/18/01	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0 013	and the second se	NIN(0 074) J	
						Acrolein	ICAL RRF	0 013	>0.05	ND(0 20) J	
	1					Isobutanol	ICAL RRF	0.009	>0.05	ND(015)1	
						Propionitrile	ICAL RRF	0.009	>0.05	NENO 29) J	
A0P448	CRA-7 (0 - 2)	1/18/01	Sail	Tier []	Yes	1,4-Dioxane	ICAL RRF	0 013	>0.05 >0.05	NIX(0 073) J	
	1			1		Acrolein	ICAL RRF	0.013	the second state of the se	NEX(0.20) J	
						Isobutanol	ICAL RRF	0.009	>0.05	NEXO 14) J	
						Propionitrile	ICAL RRF	0.009	>0.05	NIX0 29] J	
A0P448	CRA-RB-1	1/18/01	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.003	>0.05	NINO 072) J	
						Acetonitrile	ICAL RRF	0.044	>0.05	NIX0 20) J	
						Acrolein	ICAL RRF	0.044	>0.05	ND(0 10) J	
						Isobutanel	ICAL RRF	0.014	>0.05	ND(0.10) J	
						Propionitrile	ICAL RRF	0.014	>0.05	NEX(0.20) 1	
A0P448	Trip Blank	1/18/01	Water	Tier II	Yes	1.4-Dioxane	ICAL RRF	0.001	>0.05	NIX0 050) J	
						Acetonitrile	ICAL RRF	0.044	>0.05	NEXO 201 J	······································
						Acrolein	ICAL RRF	0.03	>0.05	ND(010)1	
						Isobutanol	ICAL RRF	0.03	>0.05	ND(0 10) J	
						Propionitrile	ICAL RRF	and the second	>0.05	ND(0 20) 1	
40P496	CRA-14 (0 - 2)	1/19/01	Soit	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.011	>0.05	NEX(0.050) J	
						Acrolein	ICAL RRF	0.012	>0.05	N1X(0.20) J	· · · · · · · · · · · · · · · · · · ·
	1					Isobutanol	ICAL RRF	0.013	>0.05	NIX0 13) J	<b></b>
				]		Propionitrile	ICAL RRF	0 009	>0.05	ND(0.26) J	
A0P496	CRA-15 (5 + 14)	1/19/01	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.012	>0.05	ND(0.064) J	
						Acrolein	ICAL RRF	and the second se	>0.05	ND(0 20) J	
			1			Isobutanol	ICAL RRF	0 013	>0.05	NIX0 151 1	
						Propionitrile	ICAL RRF	and the second	>0.05	NEX(0.30) J	
OP496	CRA-16 (0 - 2)	1/19/01	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0 002	>0.05	ND(0.074) 1	· · · · · · · · · · · · · · · · · · ·
						Acrolein	ICAL RRF	0.012	-0.05	ND(0.20) J	
						Isobutanol	ICAL RRF	0 013	>0.05	ND(013)1	
						Propionitrile	ICAL RRF	0 009	>0.05	ND(0 27) 1	<b></b>
0P496	CRA-17 (5 - 14)	1/19/01	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0 002	>0.05	ND(0.067) J	
					140	Acrolein		0 012	>0.05	ND(0 20) J	L
	1					Isobutanol	ICAL RRF	0 013	>0.05	ND(0 [3]) J	
	1					Propionitrile	ICAL RRF	0.009	>0.05	NIX(0.26) 1	
ALCON						r optonistic	ICAL RRF	0.002	>0.05	ND(0.064) J	1

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#### FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

#### ANALYTICAL DATA VALIDATION SUMMARY (Results are presented in parts per million, ppm)

Sample Delivery	7	Date		Validation	1	T		1	I	1	
Group Ne.	Sample ID	Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Centrol Limits	Qualified Result	Notes
VOCs (continued	á)				·		1 4.440			1 QUARTER ATSUIT	Trates
1A0P496	CRA-RB-1	1/19/01	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0 002	>0.05	ND(0.20) J	····
						Acetonitrile	ICAL RRF	0.034	>0.05	ND(0 10) J	
						Acrolein	ICAL RRF	0 033	>0.05	ND(0 10) J	
						Isobutanol	ICAL RRF	0.001	>0.05	ND(0.20) J	
					Į	Propionitrite	ICAL RRF	0.015	>0.03	ND(0.050) J	
1A0P496	Trip Blank	1/19/01	Water	Tier II	Yes	1,4-Dioxane	· ICAL RRF	0.002	>0.05	ND(0 20) J	······································
						Acetonitrile	ICAL RRF	0.034	>0.05	ND(0 10) J	
						Acrolein	ICAL RRF	0 033	-0.05	ND(0 10) J	
					1	Isobutanol	ICAL RRF	0.001	>0.05	ND(0 20) J	
					ł	Propionitrile	ICAL RRF	0.015	>0.05	ND(0.050) J	
1A0P519	CRA-10 (2 - 5)	1/22/01	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0014	>0.05	ND(0 20) J	
				1		Acrolein	ICAL RRF	0 013	>0.05	ND(013)1	
						Isobutanol	ICAL RRF	0010	>0.05	N(X(0,27))	
						Propionitrile	ICAL RRF	0.018	>0.05	ND(0.067) J	
1A0P519	CRA-8 (2 - 5)	1/22/01	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.014	>0.05	ND(0 20) 1	
						Acrolein	ICAL RRF	0 013	>0.05	ND(0.12) J	
				1		Isobutanol	ICAL RRF	0 010	>0.05	NIX(0 24) J	······································
						Propionitrile	ICAL RRF	0.018	>0.05	ND(0.061) J	
1A0P519	CRA-9 (5 - 14)	1/22/01	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0014	>0.05	ND(0 20) J	
						Acrolein	ICAL RRF	0 013	>0.05	ND(0 13) J	
				1		Isobutanol	ICAL RRF	0.010	>0.05	ND(0.25) 1	
				1		Propionitrile	ICAL RRF	0.018	>0.05	ND(0 084) J	
1A0P519	CRA-RB-1	1/22/01	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0 002	>0.05	NEX(0 20) J	
					1	Acetonitrile	ICAL RRF	0.034	>0,05	ND(0 10) J	
					ł	Acrolein	ICAL RRF	0 0 3 3	>0.05	ND(0.10) J	
						Isobutanol	ICAL RRF	0.002	>0.05	NIX0 20) J	
						Propionitrile	ICAL RRF	0 011	>0.05	ND(0.050) J	
1A0P519	Trip Blank	1/22/01	Water	Tier II	Yes	1,4-Dioxane	ICAL RRF	0 002	>0.05	NIX(0 20) J	
						Acetonitrile	ICAL RRF	0 0 3 4	>0.05	NEX(0.10) J	
						Acrolein	ICAL RRF	0 033	>0.05	NEX(0.10) J	······································
						Isobutanol	ICAL RRF	0.002	>0.05	NEX(0.20) J	
						Propionitrile	ICAL RRF	0 011	>0.05	ND(0 050) 1	
1A0P545	CRA-11 (0 - 2)	1/23/01	Soit	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.014	>0.05	NIX(0.20) J	αδο <b>τη το </b>
					[	Acrolein	ICAL RRF	0.013	>0.05	NEX(0.14) J	
						Isobutanol	ICAL RRF	0.010	>0.05	ND(0.28) J	
	-					Propionitrile	ICAL RRF	0018	>0.05	ND(0 070) J	
1A0P545	CRA-12 (0 - 2)	3/23/01	Soil	Tier ()	Yes	1,4-Dioxane	ICAL RRF	0014	>0 05	ND(0 20) J	
	1					Acrolein	ICAL RRF	0.013	-0.05	ND(0.14) J	
						Isobutanol	ICAL RRF	0 0 1 0	>0.05	ND(0.28) J	
						Propionitrile	ICAL RRF	0.018	>0.05	ND(0.069) J	
3 A0P545	CRA-13 (5 - 14)	1/23/01	Soil	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.014	>0.05	ND(0.20) J	
						Acrolein	ICAL RRF	0 013	>0.05	ND(0.16) J	1
						Isobutanel	ICAL RRF	0 0 1 0	>0.05	ND(0.33) J	
110044	25 A 14 (0 - 5)	121/01		ļ		Propionittile	ICAL RRF	0.018	>0.05	ND(0 082) J	and the second
LA0P545	CRA 18 (0 - 2)	1/23/01	Soit	Tier II	Yes	1,4-Dioxane	ICAL RRF	0.014	>0.05	N12(0 20) 1	T ****
					1	Acrolein	ICAL RRF	0 013	>0.05	ND(0 13) J	I
	1					Isobutanol	ICAL RRF	0 0 1 0	>0.05	ND(0.27) I	
		-+				Propionitrile	ICAL RRF	0.018	>0.05	ND(0.067) 1	
1A0P545	CRA-19 (2 + 5)	1/23/01	Soit	Tier II	Yes	1,4-Dioxane	ICAL RRF	0014	>0.05	ND(0.20) 1	
		1				Acrolein	ICAL RRF	0 013	>0.05	ND(013) I	and a second
	1					Isobutanol	ICAL RRF	0 010	>0.05	ND(0.26) J	
	L			I	I	Propionitrile	ICAL RRF	0.018	>0.05	ND(0.064) 1	I

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#### FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

#### ANALYTICAL DATA VALIDATION SUMMARY (Results are presented in parts per million, ppm)

Sample Delivery	7	Date		Validation		I	I. I				Ť
Group No.	Sample 1D	Collected	Mateix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continued	d)			~				A	A		
A0P545	CRA-RB-1	1/23/01	Water	Tier II	Yes	2-Chloroethylvinylether	CCAL %D	26,4%	<25%	ND(0.0050) J	· · · · · · · · · · · · · · · · · · ·
				1		1,4-Dioxane	ICAL RRF	0 002	>0.05	ND(0 20) J	
				]		Acetonitrile	ICAL RRF	0.034	>0.05	NIX(0 10) J	
						Acrolein	ICAL RRF	0.033	>0.05	ND(0 10) J	
						Isobutanol	ICAL RRF	0 002	>0.05	ND(0 20) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.050) J	
1.002545	Trip Blank	1/23/01	Water	Tier II	Yes	2-Chloroethylvinylether	CCAL %D	26.4%	<25%	ND(0 0050) J	
				1		1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(0 20) J	
	4					Acetonitrile	ICAL RRF	0.034	>0.05	ND(0 10) 1	
						Acrolein	ICAL RRF	0.033	>0.05	ND(0 10) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0 20) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.050) J	
1A0P592	CRA-RB-1	1/24/01	Water	Tier II	Yes	2-Chloroethylvinylether	CCAL %D	38.4%	<25%	ND(0.0050) J	
	1			1		1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(0.20) 1	
						Acetonitrile	ICAL RRF	0 034	>0.05	NTN(0 10) J	**************************************
						Acrolein	ICAL RRF	0 033	>0.05	ND(0 10) J	
						Isobutanol	ICAL RRF	0.002	>0.05	ND(0.20) 1	
		1				Propionitrile	ICAL RRF	0.021	>0.05	ND(0.050) J	
1A0P592	Trip Blank	1/24/01	Water	Tier II	Yes	2-Chloroethylvinylether	CCAL %D	38.4%	<25%	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.002	>0.05	ND(0 20) J	······································
						Acetoniuile	ICAL RRF	0.034	>0.05		*****
						Acrolein	ICAL RRF	0.033	>0.05	ND(0.10) J	
						Isobutanol	ICAL RRF	0 002	>0.05	ND(0 10) J	
						Propionitrile	ICAL RRF	0 011	Contraction of the second seco	ND(0.20) J	
LA0P592	RAA4-16 (6 + 15)	1/24/01	Soit	Tier II	Yes	1,4-Dioxane	ICAL RRF	0 002	>0.05	NIX(0 050) J	·
					165	Acetonitrile	ICAL RRF	0.002	>0.05	ND(33) I	
						Acrolein	ICAL RRF		>0.05	ND(16) J	
	1					Isobutanot	ICAL RRF	0.033	>0.05	ND(16) J	
						Propionitrile		0.002	>0.05	ND(33) J	
LA0P592	RAA4-2 (6 - 15)	1/24/01	Soil	Tier II	Yes		ICAL RRF	0.011	>0.01	ND(8 2) 1	
(1(0) ))1	KAA4-E (0 - 15)		301	i i i i i i i i i i i i i i i i i i i	103	2-Chloroethylvinylether Dichlorodifluoromethane	CCAL %D	33.2%	<25%	ND(0 43) 1	
	1	1				1.4-Dioxane	CCAL %D	37 2%	<25%	ND(0.87) 1	
				1		Acetonitrile	ICAL RRF	0 003	>0.05	ND(17) J	
	1					Acrolein	ICAL RRF	0.011	>0.05	ND(8 7) J	
							ICAL RRF	0 0 10	>0.05	ND(8 7) ]	
		1		1		Isobutanol	ICAL RRF	0.014	>0.05	ND(17) J	
1402592	RAA4 4 (6 - 15)	1/24/01	Soil	Tier II		Propionitrile	ICAL RRF	0 01 1	>0.05	ND(4 3) J	
1402392	RAA4 4 (0 - 15)	1744701	2011	JIEFTI	Yes	I,4-Dioxane	ICAL RRF	0 002	>0.05	ND(650) J	
				1		Acetonitrile	ICAL RRF	0.034	>0.05	ND(120) J	
						Acrolein	ICAL RRF	0.033	>0.05	ND(320) J	1
	1					Isobutanol	ICAL RRF	0.002	>0.05	ND(650) J	
						Propionitrile	ICAL RRF	0 01 1	-0.05	ND(160) J	
1A0P691	RAA4-17 (0 - 1)	1/29/01	Soit	Tier II	Yes	1,4-Dioxane	CCAL %D	36.8%	<25%	ND(0.20) J	1999 (1997) - S. Santa (1997)
						Isobutanol	CCAL %D	26 8%	<25%	ND(0 32) J	**************************************
	ł					Trichlorofluoromethane	CCAL %D	25.6%	<25%	ND(0.0080) J	
						1,4-Dioxane	ICAL RRF	0 014	>0.05	ND(0 20) J	······································
						Acrolein	ICAL RRF	0 013	>0.05	ND(0 16) J	••••••••••••••••••••••••••••••••••••••
						Isobutanoi	ICAL RRF	0 0 10	>0.05	ND(0 32) J	1
		1				Propionitrile	ICAL RRF	0.018	>0.05	ND(0.080) J	
A0P691	RAA4-18 (1 - 6)	1/29/01	Soil	Tier II	Yes	1,4-Dioxane	CCAL %D	36 8%	<25%	NEX(0 20) J	· · •
		1				Isobutanol	CCAL %D	26 8%	<25%	ND(0 23) 1	18 • • • • • • • • • • • • • • • • • • •
	1					Trichlorofluoromethane	CCAL %D	25 6%	< <u>25%</u>	NEX(0.0057) J	
						1,4-Dioxane	ICAL RRF	0.014		encoderation and dependence	
				1		Acrolein	ICAL RRF	0.014	>0.05	ND(0 20) 1	
	1					Isobutanol	ICAL RRF	and and have been as a second of the second s	~0.05	ND(011) J	
								0 0 10	>0.05	ND(0.23) 1	
				L	L	Propionitrile	ICAL RRF	0018	>0.05	ND(0.057) I	1

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#### FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

### ANALYTICAL DATA VALIDATION SUMMARY

(Results are presented in parts per million, ppm)

Sample Delivery Group No. (OCs (continued) A0P691 R.	Sample ID RAA4-19 (0 - 1)	Date Collected	Matria	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	<b>N</b>
and the second		1/29/01		A	the second se						Notes
and the second	RAA4-19 (0 - 1)	1/29/01									And a second sec
			Soil	Tier II	Yes	1.4-Dioxane	ICCAL %D	36 8%	<25%	ND(0.20) J	**************************************
						Isobutanol	CCAL %D	26 8%	<25%	NEN0 29) J	
						Trichlorofluoromethane	CCAL %D	25.6%	<25%	ND(0.0072) J	an a 1964 to should be a should be a sub-to-to-to-to-to-to-to-to-to-to-to-to-to-
						1.4-Diexane	ICAL RRF	0.014	>0.05	ND(0 20) J	Contraction (Article Art - Manufacture - Man
						Acrolein	ICAL RRF	0.013	>0.05	ND(0.14) J	
						Isobutanol	ICAL RRF	0.010	>0.05	ND(0.29) J	
						Propionitrile	ICAL RRF	0.018	>0.05	NIX(0 072) J	
A0P691 R/	RAA4-19 (1 - 6)	1/29/01	Seil	Tier II	Yes	1,4-Dioxane	CCAL %D	36.8%	<25%	ND(0 20) J	
						Isobutanol	CCAL %D	26 8%	<25%	ND(0.22) J	
				ļ		Trichlorofluoromethane	CCAL %D	25.6%	<25%	ND(0.0054) J	
1						1,4-Dioxane	ICAL RRF	0.014	>0.05	ND(0 20) J	
					Į	Acrolein	ICAL RRF	0.013	>0.05	ND(0.11) J	an a
						Isobutanol	ICAL RRF	0.010	>0.05	ND(0.22) 1	na na manana ka farika na ka
						Propionitrite	ICAL RRF	0.016	>0.05	ND(0.054) J	
A0P691 R	RAA4-21 (6 - 15)	1/29/01	Soil	Tier II	Yes	1,4-Diaxane	CCAL %D	36 8%	<25%		
AUFOFI K	KA/34-21 (9 · 13)	172/101	300	1.01.1	163	Isobutanol	CCAL %D	26.8%	<25%	ND(0 20) J	
						Trichlorofluoromethane	CCAL %D	25.6%	<25%	N(X(0,13) J	
					1	1.4-Dioxme	ICAL RRF	0.014		ND(0.0083) J	······································
						Acrolein	ICAL RRF	0.014	>0.05	ND(0.20) J	and the entertainty of several strategy of the data fraction for the entertainty of the e
						a construction of the second state of the seco		والبريدي متعيما فلمسط فلمستكف فلتشف ومعطون وبالمراجع ويجبرهم ويجبرهم وسابطه فالمد	>0.05	ND(0.16) J	
						Isobutanol	ICAL RRF	0 010	>0.05	ND(0.33) J	
	D 4 4 4 11 11 1	1/29/01	Water	Tier II	No.	Propionitrile	ICAL RRF	0018	>0.05	ND(0.083) J	
AOP691 R	RAA4-RB-1	1/24/01	Water	lier ti	Yes	2-Chloroethylvinylether	CCAL %D	33.2%	<25%	ND(0.0050) 1	
						1.4 Dioxane	ICAL RRF	0 003	>0.05	NDX(0 20) 1	
						Acetonitrile	ICAL RRF	0 044	>0.05	NIX0.10) 5	n a sea a
						Acrolein	ICAL RRF	0.030	>0.05	ND(0.10) J	
1						Isobutanol	ICAL RRF	0.014	>0.05	ND(0.20) J	
	and an extension of the second s					Propionitrile	ICAL RRF	0.011	>0.05	ND(0.050) J	
A0P691 T	Trip Blank	1/29/01	Water	Tier II	Yes	2-Chloroethylvinylether	CCAL %D	33.2%	<25%	ND(0.0030) J	
1						1,4-Dioxane	ICAL RRF	0.003	>0.05	ND(0.20) J	
						Acetonitrile	ICAL RRF	0.044	>0.05	ND(0 10) J	
						Acrolein	ICAL RRF	0.030	>0.05	ND(0.10) J	
						Isobutanol	ICAL RRF	0.014	>0.05	NIX(0.20) J	
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0 050) J	
A0P716 R	RAA4-1 (0 - 1)	1/30/01	Soil	Tier II	Yes	Acetonitrile	CCAL %D	28.8%	<25%	ND(014) J	
1		- f			1	Trichlorofluoromethane	CCAL %D	27.2%	<25%	ND(0.0069) J	
				1		1,4-Dioxane	ICAL RRF	0.014	>0.05	NIX(0.20) J	
1				1		Acrolein	ICAL RRF	0.013	>0.05	ND(014) J	
						Isobutanol	ICAL RRF	0.010	>0.05	NEX(0.28) J	
						Propionitrile	ICAL RRF	0.018	>0.05	ND(0.069) J	
A0P716 R	RAA4-10 (0 - 1)	1/30/01	Soil	Tier II	Yes	Acetonitrile	CCAL %D	28 8%	<25%	ND(0 15) J	
		1				Trichlorofluoromethane	CCAL %D	27.2%	<25%	ND(0.0073) 1	
[						1.4-Dioxane	ICAL RRF	0.014	>0.05	ND(0 20) J	
						Acrolein	ICAL RRF	0.013	>0.05	ND(0 15) J	
1						Isobutanol	ICAL RRF	0 010	>0.05	N(X(0 29) )	an an ann an
					1	Propionitrile	ICAL RRF	0.018	>0.05	ND(0.073) J	and a second second the first second s
AOP716 R	RAA4-13 (0 - 1)	1/30/01	Soil	Tier II	Yes	Acetonitrile	CCAL %D	28,8%	<25%	NIX017)1	
				1		Trichlorofluoromethane	CCAL %D	27 2%	<25%	ND(0.0083) 1	and a second
				1		1,4-Dioxane	ICAL RRF	0 014	>0.05		
						Acrolein	ICAL RRF	0 014	and the second	ND(0 20) 1	
		1				Isobutanol	and a second		>0.05	ND(0 17) J	19 - Mar 1, 1 - 2, 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
						Propionitrile	ICAL RRF ICAL RRF	0.010	>0.05	ND(0 33) J ND(0 083) J	

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# FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

Sample Deliver	r [	Date		Validation					1		1
Graup No.	Sample ID	Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continue	d)					· · · · · · · · · · · · · · · · · · ·					1
1A0P716	RAA4-15 (0 - 1)	1/30/01	Soil	Tier II	Yes	Acetonitrile	CCAL %D	28 8%	<25%	ND(014)1	- T
	1		550		1 1.5	Trichlorofluoromethane	CCAL %D	27.2%	<25%		
						1,4-Dioxane	ICAL RRF	0.014	>0.01	ND(0.0069) J	
					1	Acrolein	ICAL RRF	0.013	>0.05	ND(0 20) J	
		1				Isobutanol	ICAL RRF	0013	>0.05	NIX(0 14) )	
						Propionitrile	ICAL RRF	0.016	>0.05	NEX(0.28) J	
1A0P716	RAA4-5 (0 - 1)	1/10/01	Soil	Tier II	Yes	Acetonitrile	CCAL %D	28.8%		ND(0.069) J	
17101 710	10.110 (0.1)	11.10101	304	1	10	Tichlorofluoromethane	CCAL %D	the second s	<25%	ND(011)1	
						1.4-Dioxane		27 2%	<25%	ND(0 0067) 1	
	1					Acrolein	ICAL RRF	0014	>0.05	NIX0 20) 1	
							ICAL RRF	0013	>0.05	NEX(0 13) 1	
						Isobutanol	ICAL RRF	0 010	>0.05	N[X(0 27) 1	
1A0P716	RAA4-8 (0 - 1)	1/30/01	Soil	Tier II	Yes	Propionitrile	ICAL RRF	0.018	>0.05	ND(0.067) J	
INVE FIG	RAA4-8 (0 - 1)	17.10/01	200	1 1010	165	Acetonitrile	CCAL %D	28.8%	<25%	NIX(0 13) I	
						Trichlorofluoromethane	CCAL %D	27.2%	<25%	ND(0.0066) J	
						1,4-Dioxane	ICAL RRF	0014	>0.05	NLX(0 20) )	
				1		Acrolein	ICAL RRF	0 013	>0.05	ND(0 13) 1	
						Isobutanol	ICAL RRF	0010	>0.05	NLX(0.26) J	
IA0P716	RAA4-RB-1	1/30/01				Propionitrile	ICAL RRF	0018	>0.05	ND(0.066) J	
1A01710	RAA4-KB-1	4/30/01	Water	Tier II	Yes	2-Chloroethylvinylether	CCAL %D	26 4%	<25%	ND(0.0050) J	
						1,4-Dioxane	ICAL RRF	0.003	>0.05	NLX(0.20) 1	
						Acetonitrile	ICAL RRF	0.044	>0.05	ND(0.10) 1	
						Acrotein	ICAL RRF	0 030	>0.05	NIX(0 10) J	
						Isobutanol	ICAL RRF	0014	>0.05	ND(0.20) J	
						Propionitrile	ICAL RRF	0.011	>0 05	NEX(0.050) J	
1A0P716	Trip Blank	1/10/01	Water	Tier II	Yes	2-Chloroethylvinylether	CCAL %D	26 4%	<25%	NIX(0.0050) J	
						1,4-Dioxane	ICAL RRF	0 003	>0.05	NEX(0.20) 1	
						Acetonitrile	ICAL RRF	0 644	-0.05	ND(0 10) J	
						Acrolein	ICAL RRF	0 030	>0.05	ND(0.10) 1	
						Isobutanol	ICAL RRF	0.014	-0.05	NIX(0.20) J	
						Propionitrile	ICAL RRF	0011	>0.05	NEX(0.050) J	· · · · · · · · · · · · · · · · · · ·
180P010	CRA-20 (2 · 5)	1/31/01	Soil	Tier II	Yes	Acetonitrile	CCAL %D	28.8%	<25%	ND(0 13) J	
						Trichlorofluoromethane	CCAL %D	37 6%	<25%	ND(0.0063) J	
						1,4-Dioxane	ICAL RRF	0 014	>0.05	ND(0 20) /	
				Į		Acrolein	ICAL RRF	0 013	>0.05	ND(01311	for the second second second states in the second
	}					Isobutanol	ICAL RRF	0 010	>0.05	NIX(0 25) 1	
						Propionitrile	ICAL RRF	0018	>0.05	ND(0.061) J	
180P010	CRA-21 (0 - 2)	1/31/01	Soil	Tier II	Yes	Acetonitrile	CCAL %D	28 8%	<25%	NIX(0 14) 1	
						Trichlorofluoromethane	CCAL %D	37.6%	<25%	ND(0.0071) J	
						1,4-Dioxane	ICAL RRF	0014	>0.05	NIX(0.20) J	
				1		Acrotein	ICAL RRF	0013	-0.05	NIX(0 14) J	
						Isobutanol	' ICAL RRF	0 010	>0.05	NLX(0 28) J	
	1					Propionitrile	ICAL RRF	0018	~0.05	ND(0 071) 1	
1BoPolo	CRA-22 (1 - 14)	1/31/01	Soil	Tier II	Yes	Acetonitrile	CCAL %D	28 8%	<25%	Company of the second	
						Trichlorofluoromethane	CCAL %D	37.6%		NIX0 14) J	
	1					1,4-Dioxane	ICAL RRF	0.014	<25%	ND(0.0068) J	
						Acrolein	ICAL RRF		>0.05	NIX0 201 J	
						Isobutanol	ICAL RRF	0.013	>0.05	ND(014)1	+
						Propionitrile	ICAL RRF	0010	>0.05	ND(0.27) 1	
B0P010	RA44-22 (1 - 5)	1-31/01	Soil	Tier II	Yes	Acetonitrile		0.018	>0.05	ND(0.068) J	+
3974.040	10-0-0-4-6-1 ( ) ( ) ( ) ( )	1. 1. 1. 1.	3941	41051	Tes		CCAL %D	28 8%	<25%	ND(0.14) J	
						Trichlorofluoromethane	CCAL %D	37.6%	<25%	ND(0.0068) 1	
		1				1,4-Dioxane	ICAL RRF	0014	>0.05	N(N(0.20) J	
				l		Acrolein	ICAL RRF	0 0 1 3	>0.05	NIX(0.14) 1	
						Isobutanol	ICAL RRF	0010	>0.05	ND(0 27) J	
	L			L	l	Propionitrile	ICAL RRF	0018	>0.05	ND(0.068) 1	· · · · · · · · · · · · · · · · · · ·

Area Series

# FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

#### ANALYTICAL DATA VALIDATION SUMMARY

Sample Delivery	/	Date		Validation	]	T			1	
Group Ne.	Sample 1D	Collected	Matrix	Level	Qualification	Cempound	QA/QC Parameter	Value	Centrel Limits	Qualified Result Notes
OCs (continued						<b>.</b>			L	Austinen regnit 1/10103
BOPOIO	X-RB-1	1/31/01	Water	Tier II	Yes	2-Chloroethylvinylether	CCAL %D	26 4%	<25%	
						1.4-Dioxane	ICAL RRF	0.003	>0.05	ND(0.10) J
						Acetonitrile	ICAL RRF	0.044	>0.05	ND(0.20) J
	j					Acrolein	ICAL RRF	0.010	>0.05	NUX(0 10) J
						Isobutanol	ICAL RRF	0.014	>0.05	NIX(0 20) J
						Propionitrile	ICAL RRF	0.011	>0.05	ND(0.050) J
302010	Trip Blank	1/31/01	Water	Tier 11	Yes	2-Chloroethylvinylether	CCAL %D	26 4%		ND(0 00 50) J
					163	1,4-Dioxane	ICAL RRF	0.003	<25%	ND(0 10) 1
						Acetonitrile	ICAL RRF	0.003	>0.05	NIX(0 20) 1
				1		Acrolein	ICAL RRF	0.044	>0.05	ND(010) J
					1	Isobutanol	ICAL RRF	0.014	>0.05	ND(0 20) J
						Propionitrile	ICAL RRF	and and an and a second s	>0.05	NIX(0 050) J
VOCI		<u></u>			ł	[r topioint ne	ICAL KA	0 011	>0.05	ND(0.0050) J
OP416	CRA-1 (5 - 14)	1/17/01	Soil	Tier II	Yes	1,2,4,5-Tetrachlorobenzene	ICCAL %D	28.0%	- 244	
						4-Nitroquinoline-1-axide	CCAL %D	26 7%	<25%	ND(0.43) J
						Benzo(g,h,i)perylene	CCAL %D	57 9%	<25%	ND(2 2) 3
						bis(2-Chloroisopropyl)ether	CCAL %D	41 6%	<25%	ND(0 43) J
	ł			1		Butylbenzylphthalate	CCAL %D	50,5%	<25%	ND(0 43) J
				1		Dibenzo(a,h)anthracene	CCAL %D	68 8%	<25%	ND(0 86) J
		1				Hexachlorocyclopentadiene	CCAL %D	36 2%	<25%	ND(0 86) J
	1					Hexachloropropene	CCAL %D		<25%	N()(0.43) [
						N-Nitrosomorpholine	CCAL %D	25 3%	*25%	ND(0 43) J
	1					Phenacetin	CCAL %D		<25%	ND(0.43) J
	1					4-Nitroquinofine-1-oxide	CCAL %D	19.0%	<25%	ND(2 2) J
	1					Hexachlorophene	CCAL RRF	0 03 3	>0.05	NIX(2.2) J
	1					Aramite		0.041	>0.05	ND(0 86) J
02416	CRA-2 (2 - 5)	1/17/01	Soil	Tier II	Yes	1,2,4,5-Tetrachlorobenzene	ICAL RRF	0.037	>0.05	ND(0 86) J
		01.001	.RA	1163 17	16	4-Nitroquinoline-1-oxide	CCAL %D	28 0%	<25%	ND(0 47) J
	1	1		1			CCAL %D	26 7%	< 25%	ND(24)1
	1					Benzo(g,h,i)perylene	CCAL %D	\$7.9%	<25%	ND(0 47) J
				i i		bis(2-Chloroisopropyt)ether Butylbenzylphthalate	CCAL %D	41 6%	<25%	ND(0 47) J
							CCAL %D	50.5%	<25%	ND(0 95) J
						Dibenzo(a,h)anthracene	CCAL %D	68 5%	<2.5%	NIX0 95) J
						Hexachlorocyclopentadiene	CCAL %D	36 2%	<25%	ND(0 47) J
						Hexachloropropene	CCAL %D	25.3%	<25%	ND(0 47) J
						N-Nitrosomorpholine	CCAL %D	31.9%	×25%	NIX(0 47) J
						Phenacetin	CCAL %D	39 0%	<25%	NIX(2.4) J
	1					4-Nitroquinoline-1-oxide	CCAL RRF	0 013	>0.05	NIX(2.4) J
						Hexachlorophene	CCAL RRF	0 ()41	>0.05	ND(0.95) J
0P416	CRA-3 (5 - 14)	1/17/01	A 1			Aramite	ICAL RRF	0 037	>0.05	ND(0.93) J
VF410	CRASICIAL	117/01	Soil	Tier H	Yes	1,2,4,5-Tetrachlorobenzene	CCAL %D	28.0%	<25%	ND(2 1) 1
				1		4-Nitroquinoline-1-oxide	CCAL %D	26 7%	<25%	ND(12) J
						Benzo(g,h,i)perylene	CCAL %D	57.9%	<25%	34 J
						bis(2-Chloroisopropyl)ether	CCAL %D	41 6%	<25%	N(X(23))
	1					Butylbenzylphthalate	CCAL %D	50 5%	<25%	ND(4 7) J
						Dibenzo(a,h)anthracene	CCAL %D	68 8%	<25%	651
						Hexachlorocyclopentadiene	CCAL %D	36 2%	<25%	ND(23)1
						Hexachloropropene	CCAL %D	25 3%	<25%	ND(2 1) J
				1		N-Nitrosomorpholine	CCAL %D	31.9%	<25%	N(X(Z 3))
				]		Phenacetin	CCAL %D	39.0%	<25%	ND(12) J
						4-Nitroquinoline-1-oxide	CCAL RRF	0 0 3 3	>0.05	ND(12) 1
						Hexachlorophene	CCAL RRF	0.041	-0.05	ND(4 7) J
	1	1				Aramite	ICAL BRF	0.037	>0.05	ND(4-7) J

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# FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

Sample Delivery	*	Date		Validation		T	1		T		
Graup No.	Sample ID	Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOCs (continue	ed)			-						<u> </u>	1
A0P416	CRA-DUP-2 (5 - 14)	1/17/01	Soil	Tier II	Yes	1,2,4,5-Tetrachlorobenzene	CCAL %D	28.0%	<25%	ND(21)1	T
						4-Nitroquinoline-1-oxide	CCAL %D	26 7%	<25%	ND(10) J	
						Benzo(g.h,i)perylene	CCAL %D	57.9%	<25%	13.1	ar an ann an Araban an Araban an Araban an Araban an Araban an Araban an Araban.
						bis(2-Chloroisopropy1)ether	CCAL %D	4] 6%	<25%	NEx(2-1) J	
						Butylbenzylphthalate	CCAL %D	50.5%	<25%	NIX(4 2) 1	
						Dibenzo(a,h)enthracene	CCAL %D	68 8%	<25%	551	
						Hexachtorocyclopentadiene	CCAL %D	36 2%	<25%	NEX2 111	
						Hexachtoropropene	CCAL %D	25 3%	<25%	N[X(2 1) J	and the standard state state and the state of the
						N-Nitrosomorpholine	CCAL %D	31.9%	<25%	ND(2.1) J	د به مرکز است. است
						Phenacetin	CCAL %D	39 0%	<25%	ND(10) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.033	>0.05	ND(10) J	
				1		Hexachiorophene	CCAL RRF	0.041	>0.05	ND(4 2) 1	
				<u> </u>		Aramite	ICAL RRF	0 037	>0 05	ND(4 2) J	
NOP416	CRA RB-1	1/17/01	Water	Tier II	Yes	1.3-Dinitrobenzene	CCAL %D	31.4%	<25%	ND(0011) J	
				1		3&4-Methylphenol	CCAL %D	31.4%	<25%	ND(0.053) J	
						7,12-Dimethylbenz(a)anthracene	CCAL %D	29 5%	<25%	NEX(0.021) J	
						Benzidine	CCAL %D	39 5%	<25%	ND(0.053) J	
						N-Nitrosomorpholine	CCAL %D	31.9%	<25%	ND(0.021) J	
						p-Dimethylaminoazobenzene	CCAL %D	38 4%	<25%	ND(0.053) J	
		1				Pentachloroethane	CCAL %D	26.3%	<25%	ND(0.020) J	
						Pentachloronitrobenzene	CCAL %D	31.6%	<25%	NEX(0.011) J	
		1				4-Nitroquinoline-1-oxide	CCAL RRF	0.045	>0.05	ND(0.053) J	
						Hexachlorophene	CCAL RRF	0 038	>0.05	NEX0 020) I	
						Pentachloronitrobenzene	CCAL RRF	0 037	>0.05	NEX(0.020) I	
				l		Aramite	ICAL RRF	0 037	>0.05	ND(0.053) J	
A0P448	CRA-5 (0 - 2)	1/18/01	Soil	Tier II	Yes	4-Chloroaniline	CCAL %D	32.6%	<25%		
	1					Acetophenone	CCAL %D	25 5%	<25%	NEX(0.54) 3	
						bis(2-Chloroisopropyl)ether	CCAL %D	42.0%	<25%	ND(0.54) J	
						Ethyl Methanesulfonate	CCAL %D	28 8%	<25%	ND(0.54) J	
						Hexachloropropene N-Nitroso-di-n-butylamine	CCAL %D CCAL %D	27.9%	<25%	ND(0.54) J	
						N-Nitrosopyrrolidine	CCAL %D	33.4%	<25%	ND(LI) J	
						Pentachloronitrobenzene	CCAL %D	26 9%	<25%	N[X[1]) J	
		1				Pyridine	CCAL %D	36 0%	<25%	ND(2.7) J	
						4-Nitroquingline-1-oxide	CCAL RRF	28.2%	< <u>25%</u> >0.95	ND(0 54) J	
						Hexachlorophene	CCAL RRF	0.045	>0.05	ND(2 7) J	
	1					Methapyrilene	CCAL RRF	0 039	>0.05	ND(11)J	
						Pentachloronitrobenzene	CCAL RRF	0 034	>0.05	ND(2 7) J	
						Atamite	ICAL RRF	0 034	>0.05	ND(2.7) J ND(1.1) J	-
OP448	CRA 6 (2 - 5)	1/18/01	Soil	Tier II	Yes	4-Chloroaniline	CCAL %D	32 6%	>0.05	ND(10) J	
						Acetophenone	CCAL %D	25 5%	<25%	ND(0.51) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	42 0%	<25%	ND(0 51) 1	
						Ethyl Methanesulfonate	CCAL %D	28 8%	<25%	ND(0.51) 1	
						Hexachloropropene	CCAL %D	27 9 %	<25%	ND(0.51) 1	
						N-Nitroso-di-n-butylamine	CCAL %D	33 4%	<25%	ND(10) J	
						N-Nitrosopyrrolidine	CCAL %D	26.9%	<25%	ND(10) J	
						Pentachloronitrobenzene	CCAL %D	36 0%	<25%	ND(2.6) J	
				1		Pyridine	CCAL %D	28 2%	<25%	ND(0 \$1) J	afan <b>a a</b> manador a fan adaman a an ana adaman a a
						4-Nitroquinoline-1-oxide	CCALRRF	0.04	-0.65	ND(2.6) J	-
								the state of the s		ND(120) J	
									**************************************	ND(2.6) 1	1.41.1 · · · · · · · · · · · · · · · · · ·
	1			Hexachlorophene     CCAL RRF     0.04     -0.05       Methapynlene     CCAL RRF     0.039     -0.05       Pentachloronitrobenzene     CCAL RRF     0.034     -0.05			· · · · · · · · · · · · · · · · · · ·				
		1		1	[	Aramite	ICAL RRF	0.034	1 *0.05	ND(2.6) J	

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# FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

# ANALYTICAL DATA VALIDATION SUMMARY

(Results are presented in parts per million, ppm)	
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Sample Delivery		Date		Validation		1	1				2.4444 (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997) (1997)
Group No.	Sample ID	Collected	Matrix	Level	Qualification	Cempound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
OCs (continue	d)										
08448	CRA-7 (0 - 2)	1/18/01	Soit	Tier fl	Yes	4-Chloroaniline	CCAL %D	32 6%	>0.05	ND(0.97) 3	1
						Acelophenone	CCAL %D	25.5%	<25%	N(X(0.48) )	
	}					bis(2-Chloroisopropyl)ether	CCAL %D	42 0%	<25%	NEX(0 48) J	
						Ethyl Methanesulfonate	CCAL %D	28 8%	<25%	ND(0 48) J	
					•	Hexachloropropene	CCAL %D	27.9%	<25%	NEX(0.48) J	
						N-Nitroso-di-n-butylamine	CCAL %D	33,4%	<25%	NIX(0.97) J	
		1				N-Nitrosopyrrolidine	CCAL %D	26.9%	<25%	NIX(0 97) J	
						Pentachloronitrobenzene	CCAL %D	36.0%	<25%	ND(2.4) J	
						Pyridine	CCAL %D	28.2%	<25%	NIX(0 48) J	······································
						4-Nitroquinoline-1-oxide	CCAL RRF	0.04	>0.05	ND(24)J	
			l			Hexachforophene	CCAL RRF	0.045	>0.05	NIX(0 97) J	
						Methapyrilene	CCALREF	0.039	>0.05	ND(2.4) J	
			I			Pentachloronitrobenzene	CCAL RRF	0 034	-0.05	ND(2.4) J	
			I			Aramite	ICAL RRF	0 037	>0.05	NIX(0.97) 1	
OP448	CRA-RB-I	1/18/01	Water	Tier II	Yes	4-Chloroanitine	CCAL %D	32.6%	>0.05	ND(0 020) J	
						Acetophenone	CCAL %D	25.5%	<25%	ND(0011) J	
			[			bis(2-Chlaroisopropyl)ether	CCAL %D	42 0%	<25%	ND(0011) J	ar
						Ethyl Methanesulfonate	CCAL %D	28 8%	<25%	ND(0011) J	
						Hexachloropropene	CCAL %D	27 9%	<25%	ND(0011) J	
						N-Nitroso-di-n-butylamine	CCAL %D	33.4%	<25%	ND(0.020) T	
			]			N-Nitrosopyrrolidine	CCAL %D	26.9%	<25%	NENO 0201 J	
						Pentachloronitrobenzene	CCAL %D	36.0%	<25%	ND(0 053) 1	
						Pyridine	CCAL %D	28.2%	<25%	ND(0 011) J	
						4-Nitroquineline-1-oxide	CCAL RRF	0.04	>0.05	ND(0 053) J	
						Hexachlorophene	CCAL RRF	0.045	>0.05	ND(0 021) J	***
						Methapyrilene	CCAL RRF	0.039	>0.05	ND(0.053) J	
						Pentachloronitrobenzene	CCAL RRF	0 034	>0.05	ND(0.053) J	
						Aramite	ICAL RRF	0.037	>0.05	ND(0.021) J	+
OP496	CRA-14 (0 - 2)	1/19/01	Soil	Tier II	Yes	3,3'-Dimethylbenzidine	CCAL %D	35.3%	<25%	ND(10) J	
						3-Methylcholanthrene	CCAL %D	33,0%	<25%	ND(4.1) J	+
						4-Nitrophenol	CCAL %D	26.3%	<25%	NUX(10) J	
						4-Nitroquinoline-1-oxide	CCAL %D	35 8%	<25%	ND(10) 1	
						Aramite	CCAL %D	99.9%	<25%	ND(41) J	
			Į			Benzidine	CCAL %D	48 4%	<25%	ND(41) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	41 2%	<25%	ND(2 1) J	
						Hexachloropropene	CCAL %D	33.6%	<25%	ND(2.1) J	
					Methapyrilene	CCAL %D	31 0%	<25%	ND(10) J		
						N-Nitrosomorpholine	CCAL %D	28 6%	<25%	ND(2 I) J	
				1	1	p-Dimethylaminoazobenzene	CCAL %D	30,4%	<25%	ND(10) J	•••
		1			1	Phenacetin	CCAL %D	35.6%	<25%	ND(10) J	
	1		l		1	4-Nitroquinoline-1-oxide	CCAL RRF	0 028	+2.5%	······································	
		1			1	Hexachlorophene	CCAL RRF	0 017	>0.05	ND(10)1	
					1	Methapyrilene	CCAL RRF	0.030	>0.05	ND(41) J	
		1			1	Aramite	ICAL RRF	0.037		ND(10) )	
		·····	£		1	I		0037	>0.05	ND(4-1) J	

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# FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

#### ANALYTICAL DATA VALIDATION SUMMARY

Sample Delivery	1	Date		Validation	[	T T T T T T T T T T T T T T T T T T T					
Group No.	Sample ID	Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
		[ Concert	(Matrix	1	- Yummenen		1 41401				Trans
SVOCs (continued		1 10 5 21	<b>G</b> _11		Yes	3,3'-Dimethylbenzidine	ICCAL %D	35 3%	<25%	ND(2.5) J	-T
1 A0P496	CRA-15 (5 - 14)	1/19/01	Soit	Tier fl	res	3.3 - Dimenyibenzidine	CCAL %D	33 9%	<25%		
						4-Nitrophenol	CCAL %D	26 3%	<25%	ND(10)1	
							CCAL %D	35 8%	<25%	ND(2.5) 1	
				1		4-Nitroquinoline-1-oxide	CCAL %D	99.9%	<23%	NIX(2.5) J	
				1		Aramite	CCAL %D	48.4%	<25%	ND(1.0) 1	
			1			Benzidine	CCAL %D	41.2%	<25%	ND(10)1	
						bis(2-Chloroisopropyl)ether	CCAL %D	33.6%	<25%	NEX(0.50) J NEX(0.50) J	
			1	1		Hexachloropropene	CCAL %D	33.0%		and the second	
	ł					Methapyrilene			<25%	ND(2 5) J	
	1			1		N-Nitrosomorpholine	CCAL %D	28.6%	<25%	ND(0.50) J	
			Į			p-Dimethylaminoazobenzene	CCAL %D	<u> </u>	<25%	ND(2.5) J	
						Phenacetin	CCAL %D		<25%	ND(2.5)1	
	1		1			4-Nitroquinoline-1-oxide	CCAL RRF	0 028	>0.05	NIX2 5) 1	
						Hexachlorophene	CCAL RRF	0 017	>0.05	ND(10)1	
	1			1		Methapyrilene	CCAL RRF	0 830	>0.05	ND(2.5) J	
			l			Aramite	ICAL RRF	0 037	>0.05	NIX(10)1	
1A0P496	CRA-16 (0 - 2)	1/19/01	Soil	Tier II	Yes	4-Chloroaniline	CCAL %D	32.6%	<25%	ND(0.90) J	
				1		Acetophenone	CCAL %D	25 5%	<25%	ND(0.44) J	
			1			bis(2-Chloroisopropyl)ether	CCAL %D	42 0%	<25%	ND(0.44) J	
						Ethyl Methanesulfonate	CCAL %D	28 8%	<25%	ND(0.44) 1	
						Hexachloropropene	CCAL %D	27.9%	<25%	NIX0 44) J	
						Isodrin	CCAL %D	26 0%	<25%	ND(0 44) J	
						N-Nitroso-di-n-butylamine	CCAL %D	33 4%	<25%	ND(0 90) 1	
						N-Nitrosopytrolidine	CCAL %D	26 9%	<25%	NTX0.90) J	
						Pentachloronitrobenzene	CCAL %D	36 0%	<25%	ND(23) J	
	1					Pyridine	CCAL %D	28 2%	<25%	NIX(0.44) J	and a second state of the contract of the contract of the second of the second of the second of the second of the
						4-Nitroquinoline-1-oxide	CCAL RRF	0 040	>0.05	ND(23) J	
						Hexachiorophene	CCAL RRF	0.045	>0.05	ND(0.90) J	
			1			Methapyrilene	CCAL RRF	0.039	>0.05	ND(23)1	
						Pentachloronitrobenzene	CCALRRF	0 034	>0.05	N(N23)1	
			L	1		Aramite	ICAL RRF	0 037	>0.05	ND(0.90) J	
1.A0P496	CRA-17 (5 - 14)	1/19/01	Soil	Tier II	Yes	4-Chloroaniline	CCAL %D	32.6%	<25%	NIXI 011	
						Acetophenone	CCAL %D	25 5%	<25%	ND(0 50) J	
				1		bis(2-Chloroisopropyl)ether	CCAL %D	42.0%	<25%	ND(0.50) J	
			1		1	Ethyl Methanesulfonale	CCAL %D	28 8%	<25%	ND(0.50) F	
				1		Hexachioropropene	CCAL %D	27 9%	<25%	ND(0.50) J	
		1		1		Isodrin	CCAL %D	26 0%	<25%	ND(0.50) J	
				1		N-Nitroso-di-n-butylamine	CCAL %D	33 4%	<25%	ND(10)J	
				N-Nitrosopyrrolidine	CCAL %D	26 9%	<25%	ND(10) J			
	1			Pentachloronitrobenzene	CCAL %D	36 0%	<25%	NIX(2.5) J			
				Pyridine	CCAL %D	28,2%	<25%	ND(0 50) 1			
				4-Nitroquinoline-1-oxide	CCAL RRF	0 040	-0.05	ND(2.5) J	1		
		1	1			Hexachlorophene	CCAL RRF	0.045	>0.05	ND(10) 1	T
			1	1		Methapyrilene	CCAL RRF	0 0 3 9	>0.05	ND(2.5) I	
	1		1	1		Pentachloronitrobenzene	CCAL RRF	0 034	>0.05	ND(2.5) 1	
		1		1		Aramite	ICAL RRF	0 037	>0.05	ND(1.0)1	

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# FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

Sample Delivery		Date	· · · · · ·	Validation	1				T		and the second
Group Ne.	Sample ID	Callected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VOC1 (continue	ed)									Vulniku Kesuli	lixorca
0P496	ICRA-RB-1	1/19/01	Water	Tier fl	Yes	1,4-Naphthoquinone	CCAL %D	51.8%	<25%	MINGARON	
						3-Methylcholanthrene	CCAL %D	31.5%	<25%	NIX(0 050) 1	
		1				4-Nitroquinoline-1-axide	CCAL MD	34 3%		NEX(0.020) 1	
						7,12-Dimethylbenz(a)anthracene	CCAL %D	38.9%	<25%	ND(0.050) 1	
				1		Aramite	CCAL %D		<25%	ND(0.020) 1	
				1		Benzidine	CCAL %D	<u>32.0%</u> 56.0%	<25%	NEXO 020) 1	- No
						Benzo(g,h,i)perviene	CCAL %D	the second se	<25%	N(X(0.020) J	
						bis(2-Chlaroisopropyl)ether	CCAL %D	38 8% 31 8%	<25%	ND(0.010) J	
						Dibenzo(a,h)anthracene	CCAL %D	41.1%	<25%	ND(0.010) I	
						Hexachioropropene	CCAL %D	41.1% 33.0%	<25%	NIX(0.020) J	
						N-Nitroso-di-n-butylamine	CCAL %D	31.0%	<25%	NLX0 010) J	
						Pentachloronitrobenzene	CCAL %D	26 0%	<25%	NIX0 020) J	
		[				4 Nitroquinoline-1-oxide	CCAL 74D	the second	<25%	NLM0 050) J	
						Hexachiorophene	CCAL RRF	0.035	>0.05	NU(0.050) J	
						Pentachioronitrobenzene	CCAL RRF	0.02	>0.05	ND(0.020) J	
						Aramite	ICAL RRF	0.049	>0.05	NDX0 050) J	
02519	CRA-10 (2 - 5)	1/22/01	Soil	Tier II	Yes	3,3'-Dimethylbenzidine	CCAL %D	0 017	>0.05	NEX(0.020) J	
	Charles (2 - 1)	1722501	304	110111	165	3 Methylcholanthrene	CCAL %D	15.1%	<25%	ND(23) J	
						4-Nitrophenol	CCAL %D	13.6%	<25%	ND(0 90) J	
						4 Nitrophenol	CCAL %D	26 3%	<25%	NIX23)1	
		1				4-Nitroquinoline-1-oxide	CCAL %D	26 3%	<25%	ND(23) J	
						Aramite	CCAL %D	35 8%	<25%	ND(23) J	
		1				Benzidine		99 9%	<25%	ND(0 90) 1	Increase sensitivity
			1			bis(2-Chloroisopropyl)ether	CCAL %D CCAL %D	48 4%	<25%	ND(0.90) J	
						Hexachloropropene		41.2%	<25%	NIX(0.44) J	
						Methapyrilene	CCAL %D	33 6%	<25%	NIX0 44) 1	
						N-Nitrosomorpholine	CCAL %D	31.0%	<25%	NO(23) J	
					l .	p-Dimethylaminoazobenzene	CCAL %D	28.6%	<25%	NIX(0.44) J	
						Phenacetin	CCAL %D	30 4%	<25%	ND(23) J	
						4-Nitroquinoline-1-oxide	CCAL %D	35.6%	-25%	ND(23) J	
							CCAL RRF	0 028	>0.05	ND(23) J	
				1		Hexachlorophene Pentachloronitrobenzene	CCAL RRF	0017	>0.05	1 (09 OKIN	
						Aramite	CCAL RRF	0 046	>0.05	ND(23) J	
0P519	CRA-8 (2 - 5)	1/22/01	Seil	Tier II	Yes	J,J'-Dimethylbenzidine	ICAL RRF	0 037	>0.05	NIX0 901 J	
01 /11	L KA-B (2 - 3)	1/12/01	300	Liern	165	J-Methylcholanthrene	CCAL %D	35 3%	<25%	ND(21)1	
							CCAL %D	33 0%	×25%	ND(081)1	
						4-Nitrophenol	CCAL %D	26 3%	<25%	ND(21) J	
						4-Nitrophenol	CCAL %D	26 3%	<25%	ND(21)1	1
						4-Nitroguinoline-1-oxide	CCAL %D	35 8%	<25%	ND(21)1	
						Aramite	CCAL %D	99.9%	-25%	ND(0 81) J	Increase sensitivity
						Benzidine	CCAL %D	48 4%	<25%	ND(0 11) 1	
						bis(2-Chloroisopropyl)ether	CCAL %D	41 2%	<25%	ND(0.40)3	
						Hexachloropropene	CCAL %D	33 6%	<25%	NIX(0.40) J	
				1		Methapyrilene	CCAL %D	31 0%	<25%	ND(2.1) 1	
				1		N-Nitrosomorpholine	CCAL %D	28.6%	<25%	ND(0.40) J	
				1		p-Dimethylaminoazobenzene	CCAL %D	30.4%	<25%	ND(21)1	
				1	1	Phenacetin	CCAL %D	35.6%	<25%	ND(21)1	
	1			1		4-Nitroquinoline-1-oxide	CCAL RRF	0.028	>0.05	NIX(21)1	1
	1			1		Hexachlorophene	CCAL RRF	0 017	>0.05	ND(0.81) J	T
				1		Pentachloronitrobenzene	CCAL RRF	0 046	>0.05	NEH(21) J	
	1			L	L	Aramite	ICAL RRF	0 0 1 7	>0.05	ND(0.81) J	

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# FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

# ANALYTICAL DATA VALIDATION SUMMARY

Sample Delivery		Date		Validation	T	1	······			AND MARK CONTRACTOR OF THE OWNER AND THE OWNER OF THE OWNER	Contraction of the International Contraction of the International Contraction of the International Contraction
Group No.	Sample 1D	Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Control		
VOCs (continue	vd)						1 QAUGE FREAMETER	V RUCE	Control Limits	Qualified Result	Notes
10P519	CRA-9 (5 - 14)	1/22/01	Soil	Tier II	Yes	3.3'-Dimethylbenzidine	CCAL %D				
	. ,					J-Methylcholanthrene	CCAL %D	35.3%	<25%	ND(2.2) J	
				1		4-Nitrophenol	CCAL %D	33.0%	<25%	NIX0 85) J	
					•	4-Nitrophenol	CCAL %D	26 3%	<25%	ND(2 2) )	
					1	4-Nitroquinoline-1-oxide	CCAL %D	26 3%	<25%	ND(2 2) J	
				]		Aramite	CCAL %D	35 8%	<25%	ND(2,2) J	
						Benzidine		99.9%	<25%	NEX(0.85) J	Increase sensitivity
				1	[	bis(2-Chloroisopropyl)ether	CCAL %D CCAL %D	48.4%	<25%	NIX0 85) J	
						Hexachloropropene	CCAL %D	41.2%	<25%	ND(0 42) J	
						Methapyrilene	CCAL %D	33 6%	<25%	NIX(0.42) J	
						N-Nitrosomorpholine		31 0%	<25%	N1X2 2) J	
						p-Dimethylaminoazobenzene	CCAL %D	28.6%	<25%	ND(0.42) J	
						Phenacetin	CCAL %D	30.4%	<25%	ND(2 2) 1	
						4-Nitroquinoline-1-oxide	CCAL %D	35 6%	<25%	NEX(2.2) J	
						Hexachlorophene	CCAL RRF	0 028	>0.05	ND(2.2) J	
					}		CCAL RRF	0.017	>0.05	NEX(0.85) J	
						Pentachloronitrobenzene	CCAL RRF	0.046	>0.05	ND(2 2) I	
A0P519	CRA-RB-1	1/22/01	Water	Tier II	Ya	Aramite	ICAL RRF	0.017	>0.05	NIX(0.85) I	A REAL PROPERTY AND A REAL PROPERTY AND
		17.22-01	A TICI	11611	19	1,4-Naphthoquinone	CCAL %D	51 8%	<25%	ND(0.050) J	
						1 Methylcholanthrene	CCAL %D	31.5%	<25%	ND(0.020) J	and the second se
						4-Nitroquinoline-1-oxide	CCAL %D	34,3%	<25%	ND(0.050) J	
						7,12-Dimethylbenz(a)anthracene	CCAL %D	38 9%	<25%	ND(0.020) J	
						Aramite	CCAL %D	32.0%	<25%	ND(0.020) J	
						Benzidine	CCAL %D	56 0%	<25%	NEX0 (020) J	
						Benzo(g,h,i)perylene	CCAL %D	38 8%	<25%	ND(0010) J	and a failed and a second s
						his(2-Chloroisopropyl)ether	CCAL %D	31 8%	<25%	ND(0.010) J	The second s
						Dibenzo(a,h)anthracene	CCAL %D	41.1%	<25%	NIX(0 020) J	
						Hexachloropropene	CCAL %D	33.0%	<25%	NIX0 010) J	
						N-Nitroso-di-n-butylamine	CCAL %D	31.0%	<25%	ND(0.020) 1	······································
						Pentachloronitrobenzene	CCAL %D	26 0%	<25%	ND(0.050) J	· · · · · · · · · · · · · · · · · · ·
						4-Nitroguinaline-1-oxide	CCAL RRF	0 035	>0.05	NIX(0.050) J	
						Hexachlorophene	CCAL RRF	0 020	>0.05	ND(0.020) J	
		[ ]				Pentachloronitrobenzene	CCAL RRF	0.049	>0.05	N1X0 050) J	· · · · · · · · · · · · · · · · · · ·
N0P545	CRA-11 (0 - 2)					Aramite	ICAL RRF	0.037	>0.05	NIX(0.029) J	
107:343	CRA-11 (0 - 2)	1/23/01	Soil	Tier II	Yes	1,3-Dinitrobenzene	CCAL %D	19 6%	<25%	ND(2.4) 3	
		1 1				1,3'-Dimethylbenzidine	CCAL %D	32.2%	<25%	NIX(2.4) I	
						3-Methylcholanthrene	CCAL %D	35.3%	<25%	NENO 94) J	
						4-Aminobiphenyl	CCAL %D	51 8%	*25%	ND(0.94) J	· · · · · · · · · · · · · · · · · · ·
						Benzidine	CCAL %D	59 5%	<25%	NIX0 94) J	
						Butylbenzyiphthalate	CCAL %D	31 2%	<25%	NIX(0.94) J	······································
						Hexachlorophene	CCAL %D	35 1%	<25%	ND(0.94) J	
						Methapyrilene	CCAL %D	32 2%	<25%	ND(2.4) 1	
						Pentachloroethane	CCAL %D	28 2%	<25%	NIX(0.47) J	
		1				Pyridine	CCAL %D	25 7%	<25%	Contraction of the second	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.041	>0.05	NIX(0.42) J	
						Hexachlorophene	CCAL RRF	0.016		NEN(2-4) 1	
						Methapyrilene	CCAL RRF	0.010	>0.05	NIX0 94) J	
		1				Aramite	ICAL RRF	0.037	-0.05	ND(2 4) 1	
							I I I I I I I I I I I I I I I I I I I	U (/) /	>0.05	NEX(0.94) 1	

# FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

# ANALYTICAL DATA VALIDATION SUMMARY

Sample Delivery		Date		Validation							ning and a state of the state o
Group No.	Sample 1D	Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continue	d)						······			*	
1A0P545	CRA-12 (0 - 2)	1/23/01	Soil	Tier II	Yes	1.3-Dinitrobenzene	CCAL %D	39 6%	<25%	ND(23)1	T
						3,3'-Dimethylbenzidine	CCAL %D	32.2%	<25%	ND(2.3) J	
						3-Methylcholanthrene	CCAL %D	35.3%	<25%	ND(0 92) J	
						4-Aminobiphenyl	CCAL %D	51,8%	<25%	NEN(0.92) J	
						Benzidine	CCAL %D	59 5%	<25%	NEX(0.92) J	
						Butylbenzylphthalate	CCAL %D	31.2%	<25%	ND(0.92) J	······································
				1		Hexachlorophene	CCAL %D	33.1%	<25%	ND(0.92) J	
						Methapyrilene	CCAL %D	32.2%	<25%	NUX(23) J	nen ander en
						Pentachloroethane	CCAL %D	28.2%	<25%	ND(0.46) J	and a second
						Pyridine	CCAL %D	25 7%	~25%	NIX(0.46) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.041	>0.05	NIX(23)]	
						Hexachlorophene	CCAL RRF	0 016	>0.05	ND(0.92) J	
						Methapyrilene	CCAL RRF	0.030	>0.05	ND(2-3) J	
						Aramite	ICAL RRF	0.037	>0.05	ND(0.92) J	
1A0P545	CRA-13 (5 - 14)	1/23/01	Soil	Tier II	Yes	I-Naphthylamine	CCAL %D	32 0%	<25%	ND(2.8) J	
						2,6-Dinitrosoluene	CCAL %D	27 2%	<25%	NIX(0 54) J	****
						2-Acetylaminofluorene	CCAL %D	25.6%	<25%	ND(11) J	
						2-Nitroaniline	CCAL %D	27 3%	<25%	ND(2.8) J	
						3,3'-Dichlorobenzidine	CCAL %D	29.2%	<25%	NEX(2.8) J	
						3,3'-Dimethylbenzidine	CCAL %D	28 3%	<25%	ND(2.8) J	
						4-Nitroquinoline-1-oxide	CCAL %D	26 5%	<25%	ND(2.8) J	
						a,a Dimethylphenethylamine	CCAL %D	28 8%	<25%	ND(2 8) J	
						Butylbenzylphthalate	CCAL %D	33.1%	<25%	NIX(11))	
				1		Hexachlorophene	CCAL %D	25 8%	<25%	ND(11) J	
						Hexachloropropene	CCAL %D	27 2%	<25%	ND(0.54) J	
				1		N-Nitrosomorpholine	CCAL %D	28.6%	<25%	ND(0.54) J	
				1		4-Nitroquinoline-1-oxide	CCAL RRF	0 0 3 3	>0.05	ND(2.8) J	1
						Hexachlorophene	CCAL RRF	0.015	>0.05	ND(11) J	
						Pentachloronitrobenzene	CCAL RRF	0 042	>0.05	ND(2.8) J	
			·			Aramite	ICAL RRF	0.037	>0.05	ND(11)J	
LA0P545	CRA-18 (0 - 2)	1/23/01	Soil	Tier II	Yes	1,3-Dinitrobenzene	CCAL %D	39 6%	<25%	ND(2.1) /	
						3,3'-Dimethylbenzidine	CCAL %D	32 2%	<25%	ND(2.1) J	
						3-Methylcholanthrene	CCAL %D	35 3%	<25%	NIX(0 89) 1	
						4-Aminobiphenyl	CCAL %D	51.8%	<25%	NEX(0.89) J	
				1		Benzidine	CCAL %D	59 5%	×25%	NIX(0.89) /	
						Butylbenzylphthalate	CCAL %D	31 2%	<25%	NEX(0.89) 1	
	1			1		Hexachlorophene	CCAL %D	35 1%	<25%	NL)(0.89) (	
						Methapynlene	CCAL %D	32 2%	<25%	ND(2-3) J	
						Pentachioroethane	CCAL %D	28.2%	<25%	ND(0.44) J	
	1					Pyridine	CCAL %D	25.7%	<25%	ND(0.44) J	
		1				4-Nitroquinoline-1-oxide	CCAL RRF	0.041	>0.05	ND(2-3) J	
						Hexachlorophene	CCAL RRF	0.016	>0.05	N(X() 89) J	
				1		Methapyrilene	CCAL RRF	0.030	>0.05	ND(2-3) J	
	L		I	<u>I</u>	L	Aramite	ICAL RRF	0 037	>0.05	NEX(0.89) J	

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# FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

Sample Delivery	7	Date	1	Validation	]	T					
Group No.	Sample ID	Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter				
VOCs (continue	ed)		<b>.</b>			Сетродия	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
40P545	CRA-19 (2 - 5)	1/23/01	Soil	Tier II	Yes	1,3-Dinitrobenzene					
			300	ince u	10	1,3-Dimethylbenzidine	CCAL %D	39.6%	< 25%	ND(2.2) 1	T
	-						CCAL %D	32 2%	<25%	NEX(2.2) 1	
						J-Methylcholanthrene	CCAL %D	35.3%	<25%	ND(0 86) I	
						4-Aminobiphenyl 4-Nitroquinoline-1-oxide	CCAL %D	51 8%	<25%	ND(0 86) J	and the second
							CCAL RRF	0 041	>0.05	ND(2.2) 1	an a
						Aramite Benzidine	ICAL RRF	0 037	>0.05	ND(0.86) J	· · · · · · · · · · · · · · · · · · ·
							CCAL %D	59.5%	<25%	ND(0 86) )	And a ferral bar offer trade blockspars a fact that the transport set of california of
		1				Butylbenzyiphthalate	CCAL %D	31.2%	<25%	ND(0 86) J	
						Hexachlorophene	CCAL RRF	0 0 1 6	>0.05	NIX(0 86) J	
						Hexachlorophene	CCAL %D	35.1%	<25%	ND(0.86) 1	
						Methapyrilene	CCAL RRF	0.030	>0.05	ND(2.2) J	
						Methapyrilene	CCAL %D	32.2%	<25%	ND(2 2) 1	
						Pentachloroethane	CCAL %D	28 2%	<25%	ND(0.43) J	
10P545	CRA-DUP-2	1/23/01				Pyridine	CCAL %D	25.7%	<25%	ND(043)J	
( <b>JE</b> 749)	CKA-DUF-2	112 101	Soil	Tier II	Yes	I-Naphthylamine	CCAL %D	32 0%	×25%	ND(2.6) 1	······································
						2,6-Dinitrotoluene	CCAL %D	27 2%	<25%	ND(0 10) J	
						2-Acetylaminofluorene	CCAL %D	25 6%	<25%	NIX(10) J	
	-					2-Nitroaniline	CCAL %D	27 3%	<25%	NIX(2.6) J	
						3,3'-Dichlorobenzidine	CCAL %D	29 2%	<25%	ND(2.6) J	
		1				3.3 -Dimethylbenzidine	CCAL %D	28 3%	<25%	NIX2 6) J	
						4-Nitroquinoline-1-oxide	CCAL %D	26 5%	<25%	NEX(2.6) J	-
						a,a'-Dimethylphenethylamine	CCAL %D	28 8%	<25%		
	1	1				Butylbenzylphthalate	ICCAL %D	33 1%	-25%	ND(2.6) J	
						Hexachlorophene	CCAL %D	25.8%	<25%	ND(10) J	
						Hexachloropropene	CCAL %D	27 2%	<25%	ND(10) J	
						N-Nitrosomorpholine	CCAL %D	28 6%	<25%	NIX0 50) 1	
						4 Nitroquinoline-1-oxide	CCAL RRF	0 033	>0.05	ND(0.50) 1	
						Hexachlorophene	CCAL RRF	0.015	the second se	ND(2.6) J	
						Pentachloronitrobenzene	CCAL RRF	0.042	>0.05	ND(10)1	
						Aramite	ICAL RRF	0.037	>0.05	NIX(2.6) J	······································
0P545	CRA-RB-1	1/23/01	Water	Tier II	Yes	1,1-Dinitrobenzene	CCAL %D	30 9%	-0.05	ND(10) J	
						i-Naphthylamine	CCAL %D	35 6%	<25%	ND(0.050) J	
						2-Acetylaminofluorene	CCAL %D	32 6%	<25%	ND(0.050) J	
						3-Methylcholanthrene	CCAL %D	35.7%	<25%	ND(0.020) 1	
	1					bis(2-Chloroisopropyl)ether	CCAL %D	35 3%	<25%	ND(0.020) J	
						Hexachlorocyclopentadiene	CCAL %D		<25%	NIX(0 010) I	
	1					Hexachloroethane	CCAL %D	36 0%	<25%	NIXOOIOJJ	
						Hexachlorophene	CCAL %D	27 7% -	<25%	ND(0.010) I	
						Methapyrilene	CCAL %D	27 2%	<25%	ND(0.020) J	
						Thionazin	CCAL %D	25 2%	<25%	ND(0.050) I	L
						Hexachlorophene	CCAL RRF	34.7%	<25%	ND(0.010) J	L
						Methapyrilene		0.014	>0.05	ND(0.020) I	I
	1					Pentachloronitrobenzene	CCAL RRF	0 033	>0.05	ND(0.050) J	
						r entachioronitrobenzene Aramite	CCAL RRF	0.046	>0.05	ND(0.050) J	
11				L		(A) &// B/E	ICAL RRF	0 0 3 7	-0.05	NIX(0 020) J	

E. CAR

#### FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

#### ANALYTICAL DATA VALIDATION SUMMARY

VDP92         PAA446 (- 1)         12.40         Kong         14.7%         -25%         NDQ0000           VDP92         PAA446 (- 1)         La Pair Support         CCAL 500         10.4%         -25%         NDQ0001           VDP92         PAA446 (- 1)         La Pair Support         CCAL 500         10.4%         -25%         NDQ0011           VDP92         PAA446 (- 1)         La Pair Support         CCAL 500         10.5%         NDQ0011           VDP92         PAA446 (- 1)         La Pair Support         CCAL 500         25%         NDQ0011           VDP92         PAA446 (- 1)         La Pair Support         CCAL 50         21%         NDQ0111           VDP92         PAA446 (- 1)         La Pair Support         CCAL 50         21%         NDQ0111           VDP92         PAA446 (- 1)         La Pair Support         CCAL 50         21%         -25%         NDQ0111           VDP92         PAA446 (- 1)         La Pair Support         CCAL 50         21%         -25%         NDQ0111           VDP92         PAA446 (- 1)         La Pair Support         CCAL 50         21%         -25%         NDQ0111           VDP92         Part Mannet Pair Pair Pair Pair Pair Pair Pair Pair	Sample Delivery		Date		Validation							
VC01 (antimized in the second seco	Group No.	Sample ID	Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
VDP92         PAA446 (- 1)         12.40         Kong         14.7%         -25%         NDQ0000           VDP92         PAA446 (- 1)         La Pair Support         CCAL 500         10.4%         -25%         NDQ0001           VDP92         PAA446 (- 1)         La Pair Support         CCAL 500         10.4%         -25%         NDQ0011           VDP92         PAA446 (- 1)         La Pair Support         CCAL 500         10.5%         NDQ0011           VDP92         PAA446 (- 1)         La Pair Support         CCAL 500         25%         NDQ0011           VDP92         PAA446 (- 1)         La Pair Support         CCAL 50         21%         NDQ0111           VDP92         PAA446 (- 1)         La Pair Support         CCAL 50         21%         NDQ0111           VDP92         PAA446 (- 1)         La Pair Support         CCAL 50         21%         -25%         NDQ0111           VDP92         PAA446 (- 1)         La Pair Support         CCAL 50         21%         -25%         NDQ0111           VDP92         PAA446 (- 1)         La Pair Support         CCAL 50         21%         -25%         NDQ0111           VDP92         Part Mannet Pair Pair Pair Pair Pair Pair Pair Pair	SVOCs (continued	i)										
V0992         24.4416 (c - 1)         12.501         Yes         Lisheresbeeres         CCAL Sup         31.65.         -2.55.         NRQ.050.           V0992         24.4416 (c - 1)         12.401         Sup         31.65.         -2.55.         NRQ.050.           V0992         24.4416 (c - 1)         12.401         Karal         CCAL Sup         31.65.         -2.55.         NRQ.001.           V0992         24.4416 (c - 1)         CCAL Sup         12.55.         NRQ.001.	1A0P592	CRA-RB-1	1/24/01	Water	Tier II	Yes	1,3,5-Trinitrobenzene	CCAL %D	26 2%	<25%	ND(0.021) 1	
N0992         8.4.4 16 (- 1))         17,601         Sul         Full Part Part Part Part Part Part Part Part							1.3-Dinitrobenzene	CCAL %D				AND A DESCRIPTION OF A
W192         RA418 (c - 11)         1/2601         Sol         Sol         31.6%         -20%         Ning 2011           W192         RA418 (c - 11)         IIII         Ning 2011         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII						1	1-Naphthylamine	CCAL %D				
MP92               RAA416(6-11)               If 2601               For II             For III             For II             For             For					1				State burland and other addition on the second state of the second	Contraction of the local distance of the second		Contraction and the second
VP32         RA416(-15)         17407         Soil         For H         Yes         Soil         For H         Soil         1750												and the second
V0952         RAA416(-15)         1/2401         Suit         Fig. 8         Fig.							and a second			A lossed by an interfact of a second state of the second state of	which the threaded of a bid advances open the A.I. or a superstance	
WP 5/2          RAA4.16 (A - 15)               If an all constructions               CAA.150									A REAL PROPERTY AND A REAL			
										Maddhill and a show the second and the second state of the second	AND A REAL PROPERTY AND A REAL	
V0P192         RA44.16 (n-11)         1/2401         Suit         Free II         Press         CCA.5D         22/24, 52/35, 500 (01/1)         M00011/1           V0P192         RA44.16 (n-11)         1/2401         Suit         Free II         Press         CCA.5D         20/64, 52/35, 500 (01/1)           V0P192         RA44.16 (n-11)         1/2401         Suit         Free II         Press         Press         CCA.5D         20/64, 62/35, 500 (01/1)           V0P192         RA44.16 (n-11)         1/2401         Suit         Free II         Press         Press         CCA.5D         20/610         64/63, 500 (01/1)           V0P192         RA44.16 (n-11)         1/2401         Suit         Press         Press         CCA.5D         29/54, 52/55, 500 (01/1)           1/10400000000         CCA.5D         29/14, 53/55, 500 (01/1)         50/11         2/62/51, 500 (01/1)         50/11           1/104000000000         CCA.5D         29/154, 43/55, 500 (01/1)         50/11         50/11         50/11           1/104000000000         CCA.5D         29/154, 43/154, 43/154, 500 (01/11)         50/11         50/11         50/11         50/11         50/11         50/11         50/11         50/11         50/11         50/11         50/11         50/11									The second s	and a martial production of the state of the	A REAL PROPERTY OF A DATA DATA DATA DATA DATA DATA DATA D	
NUP92         RAA416 (6-15)         1/2401         Sult         Fer II         Yes         Diseasing (CAL ND)         1/2401         Sult         Fer II         Yes           NUP92         RAA416 (6-15)         1/2401         Sult         Ter II         Yes         Yes         ICAL ND         0.01         +0.01         +0.01         MR00011/1           NUP92         RAA416 (6-15)         1/2401         Sult         Ter II         Yes         Yes         ICAL ND         22.05         10.01         +0.01         MR00011/1           2.0009/1000         ICAL ND         12.01         -0.01         +0.01         MR00011/1           2.0109/1000         ICAL ND         12.01         +0.01         +0.01         MR0011/1           2.0109/1000         ICAL ND         12.01         +0.01												
Markan Barkan						1				Constraint date the series are series of 10 Training a series and a development of		
Model         Soil         Ter II         Yes         Medagoriane (CAL RAP         0.01         -0.05         NN00031 / 1           V0P52         NA.4.16 (6 - 15)         1/2.401         Soil         Ter II         Yes         I.MgdMyrline:         ICAL RAP         0.001         -0.05         NN00031 / 1           V0P52         NA.4.16 (6 - 15)         1/2.401         Soil         Ter II         Yes         I.MgdMyrline:         ICAL ND         27.2%         -25%         NN0031 / 1           V0P52         J.M.Dendyrline:         CCAL ND         27.2%         -25%         NN10 / 1           J.M.Dendyrline:         CCAL ND         27.2%         -25%         NN10 / 1           J.M.Dendyrline:         CCAL ND         27.2%         -25%         NN10 / 1           J.M.Dendyrline:         CCAL ND         27.2%         NN10 / 1         -           J.M.Dendyrline:         CCAL ND         27.5%         NN20 / 1         -           Mediglinderid								Western Testant and a state of the state of	- WWW-shrid-sident Fisher-sectors and interaction and the sector of the			a second s
NUR192         RAA4.16 (6-15)         1/2401         Soil         Ter II         Yes         Preckhoromodename (CAL RB7 0.046)         -0.05         NIX0.015) //           VUR192         RAA4.16 (6-15)         1/2401         Soil         Ter II         Yes         CAL SD 0.22 (%         -22%         NIX0.015) //         -           VUR192         RAA4.16 (6-15)         1/2401         Soil         Ter II         Yes         CALStrandomer (CAL SD 0.27%) //         -22%         NIX0.015) //         -           24-Demotycheme (CAL SD 0.27%) //         CAL SD 0.27%         -22%         NIX0.01         -         -           24-Demotycheme (CAL SD 0.27%) //         CAL SD 0.27%         -22%         NIX0.01         -			1			[				Strin dates a second		the summaries and the balance of the state o
Add 16 (6 - 15)         L7401         Suit         Fee II         Yes         LAquity function         CCAL 50         22 %         -23 %         NU(0.01) //           Add 16 (6 - 15)         L7401         Suit         Fee II         Yes         LNgddyfanice         CCAL 50         22 %         -23 %         NU(0.0)						1			Contractor and the second s	**************************************		
V0P192         RAA4-16 (6 - 15)         1/2401         Soil         Tier II         Yes         1-Nighthystame         CCAL. '5D         27.75         NP(5) (1)           2-Actrifuenci@coren         CCAL. '5D         27.75         NP(5) (1)         NP(5) (1)           2-Actrifuenci@coren         CCAL. '5D         27.75         NP(5) (1)           2-Actrifuenci@coren         CCAL. '5D         27.75         NP(5) (1)           2-Actrifuenci@coren         CCAL. '5D         27.75         NP(5) (1)           2-Dictions/bandine         CCAL. '5D         27.75         NP(25) (1)           2-Dictions/bandine         CCAL. '5D         27.76         -27.55         NP(25) (1)           2-Dictions/bandine         CCAL. '5D         27.76         -27.55         NP(25) (1)           4-Nitrogianila-1 oxida         CCAL. '5D         26.76         -27.55         NP(25) (1)           4-Nitrogianila-1 oxida         CCAL. '5D         26.76         NP(25) (1)							Contraction of the second se		The second s			
V0P92         RA42 (6-15)         1/2401         Nol         Ter II         Yes         12.4000 (CAL %D)         21.7%         -22.9%         NN(5.9)           V0P92         RA42 (6-15)         1/2401         Nol         Ter II         Yes         2.4000 (CAL %D)         21.7%         -22.9%         NN(5.9)           V0P92         RA442 (6-15)         1/2401         Nol         Ter II         Yes         2.4000 (CAL %D)         22.9%         -22.9%         NN(5.9)           V0P92         RA442 (6-15)         1/2401         Nol         CCAL %D)         22.9%         -22.9%         NN(9.9)           V0P92         Nol         Ter II         Yes         Nol         CCAL %D)         22.9%         NN(9.9)           NNiroscomptions         CCAL %D)         22.9%         -27.5%         NN(9.9)         -           NNiroscomptions         CCAL %D)         22.7%         -27.5%         NN(9.9)         -           NNiroscomptions         CCAL %D)         22.7%         -27.5%         NN(9.9)         -           V10000         NNiroscomptions         CCAL %D)         22.7%         NN(9.9)         -           NNiroscomptions         CCAL %D         22.6%         NN(2.9)         -         - <td>1402502</td> <td>B 4 4 4 16 (6 . 15)</td> <td>1/14/01</td> <td>Soil</td> <td>Tin II</td> <td>V-r</td> <td></td> <td></td> <td>And an address of the substances which we have a particular state to particular a factor</td> <td></td> <td></td> <td></td>	1402502	B 4 4 4 16 (6 . 15)	1/14/01	Soil	Tin II	V-r			And an address of the substances which we have a particular state to particular a factor			
V0P592         RA44 2 (6 - 15)         1/24/91         Suit         Tre II         Yes         Participantic         CCAL 5/D         27.5%         ND(0)1	17591 392	AAA440(0+))/	1724101	300	110010			And the second	and shake he was a second and a second s			
V0P92         RAA+2 (6-15)         1/2401         Soil         Ter II         Yes         Lynonethines         CCAL %D         27 %         27%         ND(2)1           N0P92         RAA+2 (6-15)         1/2401         Soil         Ter II         Yes         Maphylamine         CCAL %D         27%         ND(2)1						E						
NDE992         RAA+2 (6-15)         1/2401         Soil         Tier II         Yes         1.2.Naphtybenative CCAL 50D         22.95         1.2.955         NDE(5) 1           NDE992         RAA+2 (6-15)         1/2401         Soil         Tier II         Yes         1.2.Naphtybenative CCAL 50D         22.95         1.2.955         NDE(5) 1           NDE992         RAA+2 (6-15)         1/2401         Soil         Tier II         Yes         1.2.Naphtybenative CCAL 50D         22.95         1.2.955         NDE(5) 1           NDE992         RAA+2 (6-15)         1/2401         Soil         Tier II         Yes         1.2.Naphtybenative CCAL 50D         22.955         1.2.955         NDE(5) 1           NDE992         RAA+2 (6-15)         1/2401         Soil         Tier II         Yes         1.2.Naphtybenative CCAL 50D         22.955         NDE(5) 1           NDE992         NAA+2 (6-15)         1/2401         Soil         Tier II         Yes         1.2.Naphtybenative CCAL 50D         22.955         NDE(5) 1           NDE992         NAA+2 (6-15)         1/2401         Soil         Tier II         Yes         1.2.Naphtybenative CCAL 50D         22.955         NDE(5) 1           NDE992         RAA+2 (6-15)         1/2401         Soil         Tier I					1				THE REAL PROPERTY AND ADDRESS OF TAXABLE PARTY AND ADDRESS ADDRE			and second with all constrained between the first second second
N0P992         RAA42 (6-15)         1/2401         Soil         Ter II         Yes         1-Nametrylenatine         CCAL %D         27 %5         N0231.           N0P992         RAA42 (6-15)         1/2401         Soil         Ter II         Yes         24.0564704         2755         N0231.           N0P992         RAA42 (6-15)         1/2401         Soil         Ter II         Yes         24.0564704         2755         N0421.           N0P992         RAA42 (6-15)         1/2401         Soil         Ter II         Yes         24.0564704         2755         N0421.           N0P992         RAA42 (6-15)         1/2401         Soil         Ter II         Yes         24.056470         2755         N0421.           N0P992         RAA42 (6-15)         1/2401         Soil         Ter II         Yes         24.0570         2755         N0421.           N0P992         RAA42 (6-15)         1/2401         Soil         Ter II         Yes         24.0570         2755         N0421.           N0P992         RAA42 (6-15)         1/2401         Soil         Ter II         Yes         24.0570         2755         N0421.           N0P992         RAA42 (6-15)         1/2401         Soil									Contraction of the second s			a da car a characterization and an annual and a state of the state of
Abressentine - back         CCA1. 5D         26.5%         ND2(3)1           Abressentine - back         CCA1. 5D         26.5%         ND2(3)1           Backford Space         CCA1. 5D         21.5%         ND2(3)1           Backford Space         CCA1. 5D         21.5%         ND2(3)1           Backford Space         CCA1. 5D         21.5%         ND1(0)1           Backford Space         CCA1. 5D         22.5%         ND1(0)1           Headblock Space         CCA1. 5D         22.5%         ND1(0)1           Headblock Space         CCA1. 5D         22.5%         ND1(0)1           Nitrogenergheline - I-stude         CCA1. 5D         22.6%         -25.5%         ND1(0)1           Abressenergheline - I-stude         CCA1. 5D         22.6%         -25.5%         ND1(0)1           Headblock Space         CCA1. 5D         22.6%         ND1(0)1			1		1							
Av-Drechylphenetylphanie         CCA1.5D         21 %         -25%         ND(25)           Barbergrophen         CCA1.5D         11%         -25%         ND(25)           Hexshburgstein         CCA1.5D         21%         -25%         ND(10)           Hexshburgstein         CCA1.5D         22%         -25%         ND(10)           Hexshburgstein         CCA1.5D         22%         ND(10)				4 1			Construction of the state of th	POPP MONTH VERMINANTALING CONTRACTOR STATEMENTS		and a set of the descent of the set of the s		
NOP92         RAA42 (6-15)         1/24/01         Soil         Tier II         Yes         1/1/2010         CAL 50         22 5%         225%         NO(0) J           N/Biosompholine         CCAL 50         22 5%         -23%         NO(0) J           Hexekhorphope         CCAL 50         22 5%         -23%         NO(0) J           N/Biosompholine         CCAL 50         22 5%         -23%         NO(0) J           N/Biosompholine         CCAL 50         28 6%         -23%         NO(0) J           N/Biosompholine         CCAL 50         28 6%         -23%         NO(0) J           N/Biosompholine         CCAL 80         28 6%         -23%         NO(0) J           Mittop         CCAL 80         28 6%         -23%         NO(0) J           Mittop         CCAL 80         0015         -065         NO(2) J           Mittop         CCAL 80         0017         -065         NO(2) J           Amite         ICAL 80         22 6%         -25%         NO(0) J           Amite         ICAL 80         22 6%         -25%         NO(2) J           Amite         ICAL 80         22 7%         NO(2) J         -25%           Amite         ICAL 50					and the second			ورجابها والمراجع والمرد المرد المراجع ومناقية فيتعدهم متدارية ومقاطعه والمراجع المراجع والمراجع والمراجع		and the second		
N0P992         RAA42 (6-15)         1/24/01         Soil         Tier II         Yes         1-23pht/shame         CCAL %D         22 5%         N0p(0) 1           A0P992         RAA42 (6-15)         1/24/01         Soil         Tier II         Yes         1-23pht/shame         CCAL %D         22 5%         N0p(0) 1           A0P992         RAA42 (6-15)         1/24/01         Soil         Tier II         Yes         1-23pht/shame         CCAL %D         22 5%         N0p(0) 1           A0P992         RAA42 (6-15)         1/24/01         Soil         Tier II         Yes         1-23pht/shame         CCAL %D         22 5%         N0p(0) 1           A0P992         RAA42 (6-15)         1/24/01         Soil         Tier II         Yes         1-23pht/shame         CCAL %D         22 5%         N0p(0) 1           A0P992         RAA42 (6-15)         1/24/01         Soil         Tier II         Yes         1-23pht/shame         CCAL %D         22 5%         N0p(0) 1           A0P992         IVA401         Soil         Tier II         Yes         1-23pht/shame         CCAL %D         22 5%         N0p(0) 1           A0P992         IVA401         Soil         Tier II         Yes         1-23pht/shamine         CCAL %D<				1			Contract of the second s					
A0P92         RAA42 (6-15)         1/24/01         Soil         Tier II         Yes         1/24/01         22.7%         -2.9%         N141 0.0         1           A0P92         RAA42 (6-15)         1/24/01         Soil         Tier II         Yes         1/24/01         28.6%         -2.9%         N141 0.0         1         -0.05         ND(25) 1         -0.05         ND(10) 1         -0.05         ND(25) 1         -0.05         ND(10) 1         -0.05         ND(25) 1         -0.05         ND(10) 1         -0.05			[				and the second second second distances in the second second second second second second second second second se					
NOP92         RA44.2 (6-15)         1/24/01         Soil         Tier II         Yes         1/Naphtylanine         CCAL.%D         28.8%         -235%         ND(10)1           A0P92         RA44.2 (6-15)         1/24/01         Soil         Tier II         Yes         1/Naphtylanine         CCAL.%D         28.8%         -235%         ND(10)1           A0P92         RA44.2 (6-15)         1/24/01         Soil         Tier II         Yes         1/Naphtylanine         CCAL.%RF         0.013         -0.05         ND(10)1           A0P92         RA44.2 (6-15)         1/24/01         Soil         Tier II         Yes         1/Naphtylanine         CCAL.%RF         0.042         -0.05         ND(2)1           A0P92         RA44.2 (6-15)         1/24/01         Soil         Tier II         Yes         1/Naphtylanine         CCAL.%D         27.5% <s25%< td="">         ND(2)1           A0P92         RA44.2 (6-15)         1/24/01         Soil         Tier II         Yes         1/Naphtylanine         CCAL.%D         27.5%         <s25%< td="">         ND(2)1           A0P192         I/24/01         Soil         Tier II         Yes         2/Accylaninefloorene         CCAL.%D         27.5%         S0211         Soiloi Internet IIIIIIIIIIIIIIIIII</s25%<></s25%<>												
A0P592         RAA+2 (6 - 15)         1/24/01         Soil         Tier II         Yes         1.Nightylamine         CCAL, %D         28,8%         -25%         NIRX50.1           A0P592         RAA+2 (6 - 15)         1/24/01         Soil         Tier II         Yes         1.Nightylamine         CCAL, RRF         0.042         -0.05         NIRX50.1           A0P592         RAA+2 (6 - 15)         1/24/01         Soil         Tier II         Yes         1.Nightylamine         CCAL, RRF         0.042         -0.05         NIRX50.1           A0P592         RAA+2 (6 - 15)         1/24/01         Soil         Tier II         Yes         1.Nightylamine         CCAL, %D         22.0%         NIRX50.1           A0P592         RAA+2 (6 - 15)         1/24/01         Soil         Tier II         Yes         1.Nightylamine         CCAL, %D         22.0%         NIRX50.1           A0P592         RAA+2 (6 - 15)         1/24/01         Soil         Tier II         Yes         1.Nightylamine         CCAL, %D         22.0%         NIRX50.1            A0P592         RAA+2 (6 - 15)         1/24/01         Soil         2.4eexylamineRlowere         CCAL, %D         28.1%         -25%         NIRX10.1            A0P5			1							**************************************		
A0P592         RAA4-2 (6 - 15)         1/24/01         Soil         Tier II         Yes         1-Napshitylinen         CCAL RRF         0.013         -0.05         ND(2) /           A0P592         RAA4-2 (6 - 15)         1/24/01         Soil         Tier II         Yes         1-Napshitylanine         CCAL RRF         0.042         -0.05         ND(2) /           A0P592         RAA4-2 (6 - 15)         1/24/01         Soil         Tier II         Yes         1-Napshitylanine         CCAL RRF         0.042         -0.05         ND(2) /           A0P592         RAA4-2 (6 - 15)         1/24/01         Soil         Tier II         Yes         1-Napshitylanine         CCAL ND         32.0%         <255%										Constraint of the second of the second second second second second		
A0P592         RAA4-2 (6-15)         1/24/01         Soil         Tier II         Yes         I-haphdylamine         CCAL RRF         0.040         -0.05         ND(10).           A0P592         RAA4-2 (6-15)         1/24/01         Soil         Tier II         Yes         I-haphdylamine         CCAL RRF         0.042         -0.05         ND(25).1           A0P592         RAA4-2 (6-15)         1/24/01         Soil         Tier II         Yes         I-haphdylamine         CCAL RRF         0.042         -0.05         ND(25).1           A0P592         RAA4-2 (6-15)         1/24/01         Soil         Tier II         Yes         I-haphdylamine         CCAL RRF         0.042         -0.055         ND(26).1           A0P592         RAA4-2 (6-15)         1/24/01         Soil         Tier II         Yes         I-haphdylamine         CCAL RRF         0.042         -0.055         ND(26).1           A0P592         RAA4-2 (6-15)         1/24/01         Soil         Tier II         Yes         I-haphdylamine         CCAL RRF         0.042         -0.055         ND(26).1           J.Dimetrylemetrylamine/Locate         CCAL %D         23 %         ND(21).1         1         1         1         1         1         1         1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Contraction of the Address of the Ad</td> <td></td> <td></td> <td></td>									Contraction of the Address of the Ad			
Methapyrilene         CCAL RRF         0.040         -0.05         ND(25)1           A0P592         RAA4-2 (6-15)         1/24/01         Soil         Tier II         Yes         1-Naphtylamine         CCAL RRF         0.042         -0.05         ND(25)1           A0P592         RAA4-2 (6-15)         1/24/01         Soil         Tier II         Yes         1-Naphtylamine         CCAL %D         32.0%         <25%									And a loss of the second s	THE REAL PROPERTY AND ADDRESS OF A DESCRIPTION OF A DESCR		and the second se
A0P592         RAA4-2 (6 - 15)         1/24/01         Soil         Tier II         Yes         I:Aphtylamine (CAL RRF)         0.042         >0.05         NIX(25) J           A0P592         RAA4-2 (6 - 15)         1/24/01         Soil         Tier II         Yes         I:Aphtylamine (CAL %D)         0.27, 2%         NIX(21) J           2.6-Dinitrotalsene         CCAL %D)         27, 2%         <25%										Contraction of the balance of an and an approximately and the second structure of the second structure		the feature of the second s
A0P592         RAA4-2 (6 - 15)         i/24/01         Soil         Tier II         Yes         1/Agn/hylanine         CCAL %D         32.0%         <25%         ND(10) 1           A0P592         RAA4-2 (6 - 15)         i/24/01         Soil         Tier II         Yes         1/Agn/hylanine         CCAL %D         32.0%         <25%												na analysis and to see an an an antipological processing the second and a pro-
A0P592         RAA4-2 (6 - 15)         1/24/01         Soil         Tier II         Yes         1-Naphdhylamine         CCAL.%D         32.0%         <25%         ND(2)) 1           2.6-Dinitotokure         CCAL.%D         27.2%         <25%									And an an and the second state of the second s		**************************************	t e ar se menere e sur si vande e mante same mangante a su vy projektion, jakante filjer e bijde base a se
2.6-Dinitrotoluene         CCAL %D         27, 2%         <25%         ND(4.6) J           2. Acetylaminofluorene         CCAL %D         28, 1%         <25%									and the second	CONTRACTOR VIEW IN THE CASE OF MARKING CONTRACTOR OF AN ADVISOR OF A MARKING CONTRACTOR OF A MARKINA A MARKING CONTRACTOR OF A MARKINA A MARKINA A MAR		
2-Acetylaminofluorene       CCAL %D       28 1%       22%       ND(93)         2-Nitroaniline       CCAL %D       21 3%       425%       ND(21)         3.3'-Dichlorobenzidine       CCAL %D       29 2%       425%       ND(21)         3.1'-Dimetylbenzidine       CCAL %D       29 2%       425%       ND(21)         4-Nitroguinoline-1-oxide       CCAL %D       27 0%       425%       ND(21)         4-Nitroguinoline-1-oxide       CCAL %D       26 5%       -25%       ND(23)         4-Nitroguinoline-1-oxide       CCAL %D       28 1%       -25%       ND(23)         8-VDimetylphonetylp	EA0P592	KAA4-2 (0 - 15)	1/24/01	204	a ster II	Yes						The second s
2-Nitroaniline       CCAL %D       27 3%       <25%							and the second se		and the second statement of the statement of the second statements of the state is the second statement between	Contraction of the second se		and and the second s
3.3 - Dichlorobenzidine       CCAL %D       29 2%       -25%       ND(23) 1         3.1 - Dimethylbenzidine       CCAL %D       27 0%       -25%       ND(23) 1         4. Nitroquinelinylbenzidine       CCAL %D       26 %%       -25%       ND(23) 1         4. Nitroquinelinylbenzidine       CCAL %D       26 %%       -25%       ND(23) 1         a. *Dimethylbenziylbenzidine       CCAL %D       26 %%       -25%       ND(23) 1         Butylbenzylphthalate       CCAL %D       33 1%       -25%       ND(23) 1         Hexachlorophene       CCAL %D       25 6%       -25%       ND(9 3) 1         Hexachlorophene       CCAL %D       27 6%       -25%       ND(4 6) 1         N. Nitrosomorpholine       CCAL %D       27 86%       -25%       ND(4 6) 1         O- Toluidine       CCAL %D       28 8%       -25%       ND(4 6) 1         4. Nitroquinoline1oxide       CCAL RRF       0 031       >0 05       N1(21) 1         Hexachlorophene       CCAL RRF       0 015       >0 05       N1(21) 1         Hexachlorophene       CCAL RRF       0 040       >0 05       N1(21) 1			1									
3.1-Dimethylbenzidine       CCAL %D       27.0%       <25%												
4-Nitroquinoline-1-oxide       CCAL %D       26 5%       <25%							the second s			The second design of the stand of the second of the second s		
A.x <sup>2</sup> -Dimethylphenethylamine       CCAL %D       28 8%       <25%			1	}							ND(23) J	
Butylbenzylphthalate         CCAL %D         33 1%         <25%         ND(0 3) 1           Hexachlorophene         CCAL %D         25 6%         <25%								The second s	- North Contraction of the Association of the Assoc	<25%	ND(23) J	
Hexachlorophene         CCAL %D         25 %         ND(9 3) J           Hexachloropropene         CCAL %D         27 2%         <25%											ND(23) J	
Hexachloropropene         CCAL %D         27 2%         <25%         ND(4 6) J           N-Nitrosomorpholine         CCAL %D         28 6%         <25%			1						33,1%	<25%	NIX(9.3) J	
N.Nitrosomorpholine         CCAL %D         28.6%         <25%         ND(16)           o-Toluidine         CCAL %D         28.8%         <25%									25 6%	<25%	ND(93)1	
N-Nitrosomorpholine         CCAL %D         28.6%         <25%         ND(4.6.)           o-Toluidine         CCAL %D         28.8%         <25%									27 2%	<25%	ND(4.6) J	Contraction of the state of the
4-Nitrogungline-1-oxide         CCAL RRF         0.033         >0.05         NN(23) J           Hexachlorophene         CCAL RRF         0.015         >0.05         NN(23) J           Methapyrilene         CCAL RRF         0.040         >0.05         ND(23) J           Pentachloronitrobenzene         CCAL RRF         0.042         >0.05         ND(23) J		İ		l					28.6%	<25%		
4-Nitroquinoline-1-oxide         CCAL RRF         0.013         >0.05         ND(23) J           Hexachlorophene         CCAL RRF         0.015         >0.05         ND(23) J           Methapyrilene         CCAL RRF         0.040         >0.05         ND(23) J           Pentachloronitrobenzene         CCAL RRF         0.042         >0.05         ND(23) J							Survey of the second state		28.8%	<25%	N[3(4 6) ]	
Hexachlorophene         CCAL RRF         0.015         >0.05         ND(9.3.)           Methapyrilene         CCAL RRF         0.040         >0.05         ND(23.)           Pentachloronitrobenzene         CCAL RRF         0.042         >0.05         ND(23.)				1				CCAL RRF	0 033	>0.05		A STATE OF A
Methapyrilene         CCAL RRF         0.040         >0.05         ND(23) J           Pentachloronitrobenzene         CCAL RRF         0.042         >0.05         ND(23) J			1				Hexachlorophene	CCAL RRF	0.015			**************************************
Pentachloronitrobenzene CCAL RRF 0.042 -0.05 ND(23) 1							Methapyrilene	CCAL RRF	0.040	and the state of the state of the second state of the second state of the state of the second state of the		- * * ********************************
							Pentachloronitrobenzene		and the second states in this second states and the second states	THE PROPERTY OF THE OWNER AND ADDRESS OF THE OWNER AND A DESCRIPTION OF THE OWNER ADDRESS OF THE OWNER ADDRES		n na search an ann an Anna an A
							Aramite	ICAL RRF	0 037	>0.05	ND(9 )) J	an a

# FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

# ANALYTICAL DATA VALIDATION SUMMARY

Sample Delivery	1	Date	1	Validation						وم الإيريني في يك بين المراجع ا	
Graup No.	Sample ID	Collected	Matris	Level	Qualification	Compound	QA/QC Parameter	¥-1			
VOCs (continue							V V V V V V V V V V V V V V V V V V V	Value	Control Limits	Qualified Result	Notes
A0P592	RAA4-4 (6 - 15)	1/24/01	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D				
						2,6-Dinitrotoluene	CCAL %D	32.0%	<25%	ND(21) 1	
		1				2-Acetylaminofluorene	CCAL %D	27.2%	<25%	ND(4 1) J	
						2-Nitroaniline	ICCAL %D	28 3%	<25%	ND(8.6) J	The second s
						3,3'-Dichlorobenzidine	CCAL %D	27 3%	<25%	NtX(21) J	
				1		3,3'-Dimethylbenzidine	CCAL %D	29 2%	<25%	NIX(21) J	and the second
						4-Nitroquinoline-1-oxide	CCAL %D	27.0%	<25%	ND(21) J	
						a,a -Dimethylphenethylamine	CCAL %D	26 5%	<25%	NIX(21) J	
						Butylbenzylphthalate	CCAL %D	28.8%	<25%	ND(21) J	
						Hexachiorophene	CCAL %D	11 1%	<25%	ND(8 6) J	
						Hexachigropropene	CCAL %D	25.6%	<25%	ND(8.6) J	
				1		N-Nitrosomorpholine	CCAL %D	27 2%	<25%	ND(4.3) 1	
				1		o Toluidine	CCAL %D	28.6%	<25%	ND(4 J) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	28 8%	<2.5%	N[X4 ]] J	
						Hexachlorophene	CCAL RRF	0.033	>0.05	ND(21) J	
						Methapyrilene	CCAL RRF	0.015	>0.05	ND(8 6) J	
						Pentachloronitrobenzene	CCAL RRF	0.040	>0.05	ND(21) J	
						Aramite	ICAL RRF	0.042	>0.05	ND(21) 1	
09631	RAA4-17 (0 - 1)	1/29/01	Soil	Tier []	Yes	1,3'-Dichlorobenzidine	CCAL %D	0 037	<u>&gt;0.05</u>	ND(8.5) J	
						Benzidine	CCAL %D	29.1%	<25%	ND(2.7) J	
						bis(2-Chloroisopropyl)ether		38.7%	<25%	ND(1.1) }	A CONTRACTOR OF
						Methapyrilene	CCAL %D	18 3%	<25%	ND(0.53) J	and a second
						N-Nitroso-di-n-butylamine	CCAL %D	34.7%	<25%	ND(2.7) J	
						N-Nitrosomorpholine	CCAL %D	27.4%	<25%	ND(11) J	and a second
						Pentachlorgethane	CCAL %D	38,8%	<25%	ND(0 51) J	······································
				[		4-Nitroquinoline-1-orde	CCAL %D	26.2%	<25%	ND(0 53) J	
						Hexachlorophene	CCAL RRF	0.037	>0.05	NIX2 1) J	
		1				Methapyniene	CCAL RRF	0.048	>0.05	NIXIIII	· · · · · · · · · · · · · · · · · · ·
						Pentachloronitrobenzene	CCAL RRF	0 028	>0.05	NIX 2 7) J	
						Aramite	CCALRRF	0.041	>0.05	NEX(2.7) 1	
0P691	RAA4-18(1-6)	1/29/01	Soil	Tier II	Yes	3, 3'-Dichlorobenzidine	ICAL RRF	0 0 3 7	>0.05	ND(11)1	······································
						Benzidine	CCAL %D	29 1%	<25%	ND(1.9) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	16 7%	<25%	ND(0 76) J	
						Methapyrilene	CCAL %D	38.3%	<25%	ND(0.18) J	······································
						N-Nitroso-di-n-butylamine	CCAL %D	34 7%	<25%	ND(1.9) J	
						N-Nitrosomorpholine	CCAL %D	27 4%	<25%	NIX0 76) J	
						Pentachloroethane	CCAL %D	38 8%	<25%	ND(0 38) J	· · · · · · · · · · · · · · · · · · ·
							CCAL %D	26 2%	<25%	ND(0 18) 1	
		1				4-Nitroquinoline-1-oxide	CCAL RRF	0 037	>0.05	NIX19)J	
						Hexachlorophene	CCAL RRF	0.048	>0.05	ND(0.76) J	
			1	1		Methapyrilene	CCAL RRF	0.028	>0.05	NEX ( 9) J	
						Pentachloronitrobenzene Aramite	CCAL RRF	0.041	>0.05	ND(1.9) )	······································
DP691	RAA4-19(0-1)	1/29/01	Soil	Tier II	Yes		ICAL RRF	0.037	>0.05	ND(0.76) I	
			3011	11011	165	2,4-Dinitrophenol	CCAL %D	78 5%	<25%	NIX24)J	
						Benzidine	CCAL %D	38 3%	<25%	ND(0 97) J	· · · · · · · · · · · · · · · · · · ·
						bis(2-Chloroisopropyl)ether	CCAL %D	30,9%	-25%	ND(0.48) J	
						Hexachlorocyclopentadiene	CCAL %D	44 5%	<25%	ND(0 48) J	
						N-Nitroso-di-n-butylamine	CCAL %D	25 2%	< 25%	ND(0.97) J	
			1			N-Nitrosomorpholine	CCAL %D	25 5%	<25%	ND(0 48) J	· · · · · · · · · · · · · · · · · · ·
						o,o,o-Triethylphosphorothioate	CCAL %D	37.9%	<25%	ND(0 48) J	
1						Hexachlorophene	CCAL RRF	0 021	>0.05	Construction of the construction of the second s	· · · · · · · · · · · · · · · · · · ·
				1		Aramite	ICAL RRF	0.037	23.12.1	ND(0.97) J	I

# FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

### ANALYTICAL DATA VALIDATION SUMMARY

Sample Delivery		Date	1	Validation	I	1		1	1		
Group No.	Sample 10	Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continue	-d)		·	· · · · · · · · · · · · · · · · · · ·	·····	<b>.</b>		1		Quanto Result	livotes
1A0P691	RAA4-19 (1 - 6)	1/29/01	Soil	Tier 11	Yes	2,4-Dinitrophenol	CCAL %D	78.5%	<25%	ND(1.8)1	
						Benzidine	CCAL %D	18.3%	<25%	ND(0 72) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	30.9%	<25%	ND(0 16) J	
				1		Hexachlorocyclopentadiene	CCAL %D	44.5%	<25%	ND(0 16) J	
						N-Nitroso-di-n-butylamine	CCAL %D	25 2%	<25%	ND(0 72) J	
						N-Nitrosomorpholine	CCAL %D	25.5%	<25%	ND(0 16) 3	· · · · · · · · · · · · · · · · · · ·
			l			o,o,o-Triethylphosphorothioste	CCAL %D	17 9%	<25%	ND(0 16) J	
				1		Hexachlorophene	CCALRRF	0 021	>0.05	ND(0 72) J	
						Aramite	ICAL RRF	0.017	>0.05	ND(0 72) J	
LA0P691	RAA4-21 (6 - 15)	1/29/01	Soil	Tier II	Yes	2,4-Dinitrophenol	CCAL %D	78.5%	<25%	ND(2 8) J	
						Benzidine	CCAL %D	38.3%	<25%	ND(11)J	
			]	1		bis(2-Chloroisopropyl)ether	CCAL %D	10.9%	<25%	ND(0.55) J	
						Hexachlorocyclopentadiene	CCAL %D	44 5%	<25%	ND(0.55) J	
						N-Nitroso-di-n-butylamine	CCAL %D	25 2%	<25%	ND(11)1	
				]		N-Nitrosomorpholine	CCAL %D	25 5%	<25%	NIX0 551 J	
						o,o,o-Triethylphosphorothioate	CCAL %D	37.9%	<25%	ND(0.55) J	
						Hexachlorophene	CCAL RRF	0.021	>0.05	ND(11)1	
						Aramite	ICAL RRF	0.037	>0.05	ND(11) J	
1A0P691	RAA4-RB-L	1/29/01	Soil	Tier II	Yes	2,4-Dinitrophenol	CCAL %D	78 5%	<25%	ND(0.050) J	
						Benzidine	CCAL %D	38 3%	<25%	NIX0 020) J	
			1	1		bis(2-Chloroisopropyl)ether	CCAL %D	30 9%	<25%	ND(0.011) )	
						Hexachlorocyclopentadiene	CCAL %D	44 5%	<25%	NEX0 011) J	
				1		N-Nitroso-di-n-butylamine	CCAL %D	25 2%	<25%	NIX0 020] J	and the second
						N-Nitrosomorpholine	CCAL %D	25 5%	<25%	ND(0011)1	
				1		o,o,o-Triethylphosphorothiaate	CCAL %D	37.9%	<25%	NEX0 011) J	······································
						Hexachlorophene	CCAL RRF	0.021	>0.05	ND(0 021) J	
						Aramite	ICAL RRF	0 037	>0.05	ND(0 021) J	
LA0P716	RAA4-1 (0 - 1)	1/30/01	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	30.9%	<25%	ND(23) J	
				[		3,3'-Dichlombenzidine	CCAL %D	30 6%	<25%	ND(23) J	
				[		Hexachlorophene	CCAL %D	29 9%	<25%	ND(9 2) J	
						Hexachloropropene	CCAL %D	34.6%	<25%	NEX(4.6) J	
						N-Nitroso-di-n-butylamine	CCAL %D	27 4%	<25%	ND(9 2) J	
						N-Nitrosomorpholine	CCAL %D	38,8%	<25%	ND(4.6) J	
						o.o.o-Triethylphosphorothioaze	CCAL %D	32.2%	<25%	ND(4.6) J	
						Pentachioroethane	CCAL %D	26.2%	<25%	ND(4.6) J	
						Pyridine	CCAL %D	41.5%	<25%	ND(4 6) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.036	i∺0.05	ND(23) J	
						Hexachlorophene	CCAL RRF	0.014	>0.05	ND(9 2) J	
						Methapyrilene	CCAL RRF	0.040	>0.05	ND[23] J	
						Aramite	ICAL RRF	0.037	>0.05	ND(9.2) J	
1A0P716	RAA4-10 (0 + 1)	1/30/01	Soil	Tier II	Yes	1-Naphthylamine	· CCAL %D	30 9%	<25%	ND(2.5) J	······································
						3,3'-Dichlorobenzidine	CCAL %D	30.6%	×25%	ND(2.5) J	
						Hexachlorophene	CCAL %D	29 9%	<25%	NEX(0.98) J	
						Hexachloropropene	CCAL %D	34.6%	<25%	NIX(0 48) J	I
						N-Nitroso-di-n-butylamine	CCAL %D	27.4%	<25%	NIX(0.98) J	
				ł		N-Nitrosomorpholine	CCAL %D	38 8%	<25%	NIX0 48) 1	I
	1					o,o,o-Triethylphosphorothioate	CCAL %D	32 2%	<25%	ND(0 48) J	
	1					Pentachloroethane	CCAL %D	26 2%	<25%	ND(0.48) J	L
	1					Pyridine	CCAL %D	41.5%	<25%	ND(0.48) /	
		1				4-Nitroquinoline-1-oxide	CCAL RRF	0.036	>0.05	ND(2-5) 1	
	1					Hexachlorophene	CCAL RRF	0014	>0.05	NIX(0.98) J	
	1					Methapynlene	CCAL RRF	0 040	-0.05	ND(2.5) J	
L	1	l	L	L	I	Aramite	ICAL RRF	0 017	>0.05	N(NO 98) J	The second

#### FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

#### ANALYTICAL DATA VALIDATION SUMMARY

Sample Delivery		Date		Validation		1			1		and the second
Group No.	Sample ID	Collected	Matrix	Level	Qualification	Compound	OA/OC Parameter	Value	Centrol Limits	Qualified Result	Notes
SVOCs (continued	d)				<b>A</b>					1 Quanting Restor	THATES
A0P716	RAA4-13 (0 - 1)	1/30/01	Soit	Tier II	Yes	I-Naphthylamine	CCAL %D	30.9%	<25%	ND(28) 1	T
				[		3.3'-Dichlorobenzidine	CCAL %D	30.6%	<25%	ND(28) /	
				l		Hexachlorophene	CCAL %D	29.9%	<25%	ND(11) J	anya ang 1 ang 1 a 1 ang 1 a 1 ang
						Hexachloropropene	CCAL %D	34 6%	<25%	ND(5.5) J	
					1	N-Nitroso-di-n-butylamine	CCAL %D	27.4%	<25%	ND(11)1	
						N-Nitrosomorphaline	CCAL %D	38 8%	<25%	ND(5.5) J	
				1	[	o.o.o-Triethylphosphorothioate	CCAL %D	32.2%	<25%	ND(5.5) 1	
	l l					Pentachloroethane	CCAL %D	26.2%	<25%	ND(5.5) J	
				1		Pyridine	CCAL %D	41.5%	<25%	ND(5.5) 1	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.036	50.05	ND(28) J	16
				1		Hexachlorophene	CCAL RRF	0 014	>0.05	ND(11) J	
	[					Methapyrilene	CCAL RRF	0 040	>0.05	NIN(28) J	
						Aramite	ICAL RRF	0.037	>0.05	ND(11) J	
A0P716	RAA4-15 (0 - 1)	1/30/01	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	30 9%	<25%	N[3(4 4) J	
						3,3' Dichlorobenzidine	CCAL %D	30 6%	<25%	NIX(4.4) J	
					1	Hexachlorophene	CCAL %D	29,9%	<25%	ND(1 B) J	
						Hexachioropropene	CCAL %D	34 6%	<25%	NU(0 88) J	
						N-Nitroso-di-n-butylamine	CCAL %D	27.4%	<25%	ND(1 B) J	
						N Nitrosomorpholine	CCAL %D	38.8%	<25%	ND(0 88) J	
						o,o,o-Triethylphosphorothioate	CCAL %D	32.2%	<25%	ND(0 88) J	
						Pentachloroethane	CCAL %D	26 2%	<25%	ND(0 88) J	·····
						Pyridine	CCAL %D	41.5%	<25%	ND(0.88) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0 036	>0.05	ND(4.4) J	
						Hexachlorophene	CCAL RRF	0 014	>0.05	ND(18)J	······································
						Methapyrilene	CCAURRE	0 040	>0.05	N1X(4 4) J	
						Aramite	ICAL RRF	0 037	>0.05	ND(18)1	and the second section of the second s
1A0₽716	RAA4-5 (0 - 1)	1/30/01	Soil	Tier II	Yes	I-Naphthylamine	CCAL %D	30 9%	<25%	ND(44) J	
						3,3'-Dichlorobenzidine	CCAL %D	30 6%	<25%	ND(44) J	and the second
						Hexachlorophene	CCAL %D	29.9%	<25%	ND(18) J	
						Hexachloropropene	CCAL %D	34 6%	<25%	ND(8 9) J	
		1 1				N-Nitroso-di-n-butylamine	CCAL %D	27 4%	<25%	ND(18) J	na an a
						N-Nitrosomorpholine	CCAL %D	38 8%	<25%	NIX(8 9) J	
						o,o,o-Triethylphosphorothioate	CCAL %D	32 2%	<25%	ND(8 9) J	
						Pentachloroethane	CCAL %D	26 2%	<25%	NEX8 9) J	**************************************
						Pyridine	CCAL %D	41 5%	<25%	NIX(8 9) 1	99 - 18 1 mar - 19 1 mar - 19 1 m - 19
						4-Nitroquinoline-1-oxide	CCAL RRF	0.036	÷0 05	ND(44) J	The second
						Hexachlorophene	CCAL RRF	0014	-0.05	ND(18) J	
						Methapyrilene	CCAL RRF	0.040	>0.05	ND(44) J	
		. ~ .				Aramite	ICAL RRF	0.037	>0.05	ND(18) J	na be and the fact that and a second s
A0P716	RAA4-8 (0 - 1)	1738/01	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	30 9%	<25%	ND(22) J	
						1,3'-Dichlorobenzidine	CCAL %D	30 6%	<25%	ND(22) J	
						Hexachlorophene	CCAL %D	29 9%	<25%	ND(8 7) I	
						Hexachloropropene	CCAL %D	34 6%	* 25%	ND(4.3) J	
						N-Nitroso-di-n-butytamine	CCAL %D	27 4%	<25%	ND(8 7) 1	and a second
						N-Nitrosomorpholine	CCAL %D	38 8%	<25%	ND(4.3) J	ter an
						o,o,o-Triethylphosphorathioste	CCAL %D	32 2%	<25%	ND(43) J	
						Pentachloroethane	CCAL %D	26 2%	<25%	ND(4-3) J	na na manana kao na manana kao na manana kao na ma
						Pyridine	CCAL %D	41 5%	<25*/4	ND(4 3) J	• • • • • • • • • • • • • • • • • • •
						4-Nitroquinoline-1-oxide	CCAL RRF	0 0 3 6	-0.05	ND(22) J	· · · · · · · · · · · · · · · · · · ·
						Hexachlorophene	CCAL RRF	0014	>0.05	ND(8 7) J	•••• •••••••••••••••••••••••••••••••••
						Methapyrilene	CCAL RRF	0 040	-0.05	ND(22) J	
	and the second state of th					Aramite	ICAL RRF	0 037	>0.05	ND(8.7) J	· · · · · · · · · · · · · · · · · · ·

# FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

# ANALYTICAL DATA VALIDATION SUMMARY

Sample Delivery		Date		Validation		I			1		1
Group Ne.	Sample ID	Collected	Matrix	Level	Qualification	Compound	<b>QA/QC</b> Parameter	Value	Control Limits	Qualified Result	Notes
SVOCs (continued				*						Volunda Heinin	1110119
	RAA4-DUP-I	1/30/01	Soil	Tier II	Yes	I-Naphthylamine	CCAL %D	30 9%	<25%	MIN/201	I B C . IBALLA
					1	3,3'-Dichlorobenzidine	CCAL %D	30 6%	<25%	ND(26) 1 ND(26) 1	Duplicate of RAA4-8
				1		Hexachiorophene	CCAL %D	29.9%	<25%	ND(10) 1	
						Hexachioropropene	CCAL %D	34 6%	<25%		
				1		N-Nitroso-di-n-butylamine	CCAL %D	27 4%	<25%	ND(53) J	
					1	N-Nitrosomorpholine	CCAL %D	38.8%	<25%	ND(10) J	
						o,o,o-Triethylphosphorothioate	CCAL %D	32 2%		ND(53)1	
						Pentachloroethane	CCAL %D		<25%	ND(53) J	······································
					1	Pyridine	CCAL %D	26 2%	<25%	ND(53)1	
						4-Nitroquinoline-1-oxide		41 5%	<25%	ND(13) J	
							CCAL RRF	0.036	>0.05	ND(26)1	
				1		Hexachlorophene	CCAL RRF	0.014	>0.05	ND(10) J	
						Methapyrilene	CCAL RRF	0 040	>0.05	N[X26) J	
1A0P716	RAA4-R8-1	1/30/01	182			Aramite	ICAL RRF	0.037	>0.05	ND(10) J	
IAGP/10	KA/14-KD-1	1/30/01	Water	Tier II	Yes	1-Naphthylamine	CCAL %D	30.9%	<25%	ND(0.050) J	
						3,3'-Dichtorobenzidine	CCAL %D	30.6%	<25%	NEX(0.030) J	
				1	l	Hexachlorophene	CCAL %D	29.9%	<25%	NEX(0.021) J	
					[	Hexachloropropene	CCAL %D	34 6%	<25%	ND(0.011) J	
						N-Nitroso-di-n-butylamine	CCAL %D	27 4%	<25%	ND(0.020) J	
						N-Nitrosomarpholine	CCAL %D	38 8%	<25%	ND(0.011) J	
						o,o,o-Triethylphosphorothioate	CCAL %D	32 2%	<25%	ND(0011) J	
						Pentachloroethane	CCAL %D	26 2%	<25%	ND(0011))	
				1		Pyridine	CCAL %D	41.5%	<25%	ND(0.011) J	
						4-Nitroquinoline-1-oxide	CCAL RRF	0.036	>0.05	ND(0.053) /	
						Hexachlorophene	CCAL RRF	0.014	>0.05	ND(0 021) J	
						Methapyrilene	CCAL RRF	0 040	>0.05	ND(0.053) J	
				L		Aramite	ICAL RRF	0 037	>0.05	ND(0 011) J	
1802010	CRA-20 (2 - 5)	1/31/01	Soil	Tier II	Yes	I-Naphthylamine	CCAL %D	42 9%	<25%	NIX(2 2) J	
						2-Naphthylamine	CCAL %D	33,9%	<25%	ND(2 2) J	
						3,3 Dichlorobenzidine	CCAL %D	35 0%	<25%	NIX 2 2) J	
						3-Methylcholanthrene	CCAL %D	37.1%	<25%	ND(0.85) J	
						4-Aminobiphenyl	CCAL %D	31.8%	<25%	ND(0 85) J	
						4-Nitroquinoline-1-oxide	CCAL %D	33.1%	<25%	N(X(2,2))	
						7,12-Dimethylbenz(a)anthracene	CCAL %D	45.1%	<25%	ND(0.85) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	28 0%	<25%	ND(0.42) J	
						Ethyl Methanesulfonate	CCAL %D	25.3%	<25%	ND(0.42) J	······································
						Hexachlorocyclopentadiene	CCAL %D	65.2%	<25%	ND(0.42) J	
				·		a.o.o-Triethylphosphorothioate	CCAL %D	41.5%	<25%	NIX0 42) J	
						Hexachlorophene	CCAL RRF	0.049	>0.05	ND(0 85) }	
				[		Methapyrilene	CCAL RRF	0.038	-0.05	ND(2 2) J	
						Aramite	ICAL RRF	0.037	>0.05		
1B9P910	CRA-21 (0 - 2)	1/31/01	Soil	Tier II	Yes	I-Naphthylamine	CCAL %D	42.9%	<25%	NIX0 85) J	
						2-Naphthylamine	CCAL %D	33 9%		NO(2.4) J	
						3.3'-Dichlorobenzidine	CCAL %D		<25%	ND(2.4) J	
					1	3-Methylcholanthrene	CCAL %D	35 0%	<25%	ND(2.4) J	
						4-Aminobiphenyl	CCAL %D	37 1%	<u>~25%</u>	ND(0.96) J	
								31.8%	<25%	ND(0.96) /	
1						4-Nitroquinoline-1-oxide	CCAL %D	33 1%	<25%	ND(2.4) J	
						7.12-Dimethylbenz(a)anthracene	CCAL %D	45 1%	<25%	ND(0.96) J	.l
				1		bis(2-Chloroisopropyl)ether	CCAL %D	28.0%	<25%	ND(0 47) J	L
						Ethyl Methanesulfonate	CCAL %D	25 3%	×25%	ND(0.47) J	
						Hexachlorocyclopentadiene	CCAL %D	65 21/4	-25%	NU(0.47) J	
						0,0,0-Triethylphosphorothioate	CCAL %D	41 5%	<25%	ND(0.47) J	
					1	Hexachlorophene	CCAL RRF	0 049	>0.05	ND(0.96) J	
1						Methapyrilene	CCAL RRF	0.038	>0.05	NEX(2-4) 1	
				1	1	Aramite	ICAL RRF	0 037	>0.05	NIN0 96) 1	

# FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

#### ANALYTICAL DATA VALIDATION SUMMARY

Sample Delivery		Dute		Velidation	(	1	1				1
Group No.	Sample ID	Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Netes
SVOCI (continued						······································	·····		<b></b>		
1802010	CRA-22 (5 - 14)	1/31/01	Soil	Tier (J	Yes	I-Naphthylamine	ICCAL %D	42.9%	×25%	ND(2-3) J	1
						2-Naphthylamine	ICCAL %D	33.9%	<25%	ND(23) J	
						3,3'-Dichlorobenzidine	CCAL %D	35 0%	<25%	ND(2 3) J	
				ł		3-Methylcholanthrene	CCAL %D	37.1%	<25%	NIX(0.90) J	**************************************
				1		4-Aminobiphenyl	CCAL %D	31 8%	<25%	ND(0 90) J	na forget en gele forste affektionen, en etter er er kannen førte at en den forste som en som en en en en en en
				1		4 Nitroquinoline-1-oxide	CCAL %D	33.1%	<25%	ND(2.3) )	and a second state of the
				1		7,12-Dimethylbenz(a)anthracene	CCAL %D	45.1%	<25%	ND(0 90) J	and a second
				1		bis(2-Chloroisopropyl)ether	CCAL %D	28.0%	<25%	NEX(0 44) J	
						Ethyl Methanesulfonate	CCAL %D	25.3%	<25%	ND(0.44) J	
				1	ļ	Hexachlorocyclopentadiene	CCAL %D	65 2%	<25%	ND(0 44) J	
					1	o,o,o-Triethylphosphorothioate	CCAL %D	41.5%	<25%	ND(0 44) /	
						Hexachlorophene	CCALRRF	0.049	>0.05	ND(0.90) 1	
				ļ	l	Methapyrilene	CCAL RRF	0.038	>0.05	ND(2-1) J	
					·	Aramite	ICAL RRF	0.037	>0.05	ND(0.90) J	
IBOPO10	RAA4-22 (1 - 6)	1/31/01	Soil	Tier II	Yes	1-Naphthylamine	CCAL %D	42 9%	<25%	NIK2.711	
					1	2-Naphthylamine	CCAL %D	33.9%	<25%	ND(2 7) J	
				1		3,3'-Dichlorobenzidine	CCAL %D	35.0%	<25%	ND(27) J	
						3-Methylcholanthrene	CCAL %D	37.1%	<25%	ND(11)1	
						4-Aminobiphenyl	CCAL %D	31 8%	<25%	ND(11)1	
						4-Nitroquinoline-1-oxide	CCAL %D	33.1%	<25%	NIX(2 7) J	
				[		7,12-Dimethylbenz(a)anthracene	CCAL %D	45 1%	<25%	ND(11) J	
						bis(2-Chloroisopropyl)ether	CCAL %D	28 0%	<25%	ND(0 54) J	······
		1				Ethyl Methanesulfonate	CCAL %D	25 3%	<25%	NEX(0 54) J	······································
					}	Hexachlorocyclopentadiene	CCAL %D	65 2%	<25%	NIX(0.54) J	
				1		o.o.o-Triethylphosphorothioate	CCAL %D	41.5%	<25%	NU(0.54) J	
						Methapyniene	CCAL RRF CCAL RRF	0 049	>0.05	ND(11)J	a de la companya de l
			}			Aramite	ICAL RRF	0 018	>0.05	NIX 2 7) J	and the second s
1B0P010	X-RB-1	1/31/01	Water	Tier II	Yes	1-Naphthylamine	CCAL %D	42.9%	>0.05 <25%	ND(11)J	
BOLORO	A580-1	1/31/01	water	i let 11	165	2-Naphthylamine	CCAL %D	47 9%	<25%	NEXO 040) 1	
	]				ł	3.3'-Dichlorobenzidine	CCAL %D	35 9%	<25%	ND(0.040) 1	
			[		•	3-Methylcholanthrene	CCAL %D	37 1%	<25%	ND(0.040) J ND(0.016) J	
			1		1	4-Aminobiphenyl	CCAL %D	371/4	<25%	ND(0 021) J	
			Į	1		4-Nitroquinoline-1-oxide	CCAL %D	11.1%	<25%	ND(0.053) J	
				1		7,12-Dimethylbenz(a)anthracene	CCAL %D	45.1%	<25%	ND(0 016) J	
	1		1	1	1	bis(2-Chloroisopropyl)ether	CCAL %D	28 0%	<25%	ND(0 011) J	· · · · · · · · · · · · · · · · · · ·
				1		Ethyl Methanesulfonate	CCAL %D	25 1%	<25%	ND(0 011) 1	
					1	Hexachlorocyclopentadiene	CCAL %D	65 2%	<25%	ND(0011)1	
			]			Hexachlorophene	CCALRRF	0.049	>0.05	ND(0 021) J	
						Methapyrilene	CCAL RRF	0 038	>0.05	NTK0 054) J	· · · · · · · · · · · · · · · · · · ·
	l			1	ļ	Aramite	ICAL RRF	0 037	>0.05	ND(0 021) J	
						o,o,o-Triethylphosphorothioate	CCAL %D	41 5%	<25%	NIXCOLL	
PCDDs/PCDFi										**************************************	***************************************
1A0P416	CRA-1 (5 - 14)	1/17/01	Soil	Tier II	No	1			T	I	T
1A0P416	CRA-2 (2 - 5)	1/17/01	Soit	Tier II	No						
1A0P416	CRA-3 (5 - 14)	1/17/01	Soil	Liet II	No	I					
1A0P416	CRA-DUP-2 (5 - 14)	1/17/01	Soil	Tier II	No	I		······································	1		Duplicate of CRA-3
1A0P416	CRA-RB-1	1/17/01	Water	Tier II	No	I			1	,,,,,,,,,,,,	
1A0P448	CRA-5 (0 - 2)	1/18/01	Soil	Tier II	No					••••••••••••••••••••••••••••••••••••••	
1 AUP448	CRA-6 (2 - 5)	1/18/01	Soil	Tier II	No	Ι					······································
LA0P448	CRA-7 (0 - 2)	1/18/01	Soil	Tier II	Yes	1,2,3,7,8-PeCDF	Method Blank	0.00000068	<0.00000014	ND(0.00000023)	and the second se
			1			2,3,7,8-TCDF	Method Blank	0.00000052	<0.00000026	ND(0.0000068)	and the second
				1		OCDF	Method Blank	0.00000015	<0.0000015	ND(0.0000022)	and the second se
1A0P496	CRA-14 (0 - 2)	1/19/01	Soil	Tier II	No				1		Contractor and the foreign of the second
1A0P496	CRA-15 (5 - 14)	1/19/01	Soil	Tier II	No				1	T	
1A0P496	CRA-16 (0 · 2)	1/19/01	Soil	Tier II	No				I		and the second
PCDDs/PCDFs (c	entimed)									an a shekara a shekara ka shekara a shekara shekara ta shekara shekara ta shekara ta shekara da ba	the second se

# TABLE I

### GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

# FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

#### ANALYTICAL DATA VALIDATION SUMMARY

Sample Delivery		Date		Validation						······································	
Group No.	Sample ID	Collected	Matrix	Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
1A0P496	CRA-17 (5 - 14)	1/19/01	Soil	Tier II	Na						······································
1A0P496	('RA-RB-I	1/19/01	Water	Tier II	No						
LA0P519	CRA-10 (2 - 5)	1/22/01	Soil	Tier II	No						
1402519	CRA-8 (2 - 5)	1/22/01	Soil	Tier II	No				1	· · · · · · · · · · · · · · · · · · ·	and a state of the
1A0P519	CRA-9 (5 - 14)	1/22/01	Soil	Tier II	No						
1A0P519	CRA-RB-I	1/22/01	Water	Tier II	No					l haladdirhaun a an ag an ag an ag ag a g a g a g a g	· · · · · · · · · · · · · · · · · · ·
1A0P545	CRA-11 (0 - 2)	1/23/01	Soil	Tier II	No	0000		0.0000000			
1A0P545 1A0P545	CRA-12 (0 - 2)	1/23/01	Soil Soil	Tier II Tier II	Yes No	OCDD	Method Blank	0.0000022	<0.00022	ND(0.000016)	· · · · · · · · · · · · · · · · · · ·
1A0P545	CRA-13 (5 - 14) CRA-18 (0 - 2)	1/23/01	Soil	Tier II	No				······································	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
1A0P545	CRA-19 (2 - 5)	1/23/01	Soil	Tier II	No					· · · · · · · · · · · · · · · · · · ·	and gammilies for a constraint of the constraint gammine of the
1A0P545	CRA-DUP-2	1/23/01	Soit	Tier II	No	·····			**************************************		Duplicate of CRA-18
1A0P545	CRA-RB-I	1/23/01	Soil	Tier II	Yes	1,2,3,4,6,7,8-HpCDF	Method Blank	0.00000000016	<0.000000000080	ND(0.000000000028)	
						1,2,3,7,8,9-HxCDF	Method Blank	0.00000000015	<0.00000000075	ND(0.00000000034)	Benefit of United Strategy and a start Million - residences produced integration, in Strategies, 1998.
						OCDD	Method Blank	0.0000000018	<0.000000018	N1x(0.00000000022)	
1A0P592	CRA-RB-1	1/24/01	Water	Tier II	No						
1A0P592	RAA4-16 (6 - 15)	1/24/01	Soil	Tier II	No						
1 A0P592	RAA4-2 (6 - 15)	1/24/01	Soil	Tier II	No			·			
1A0P592	RAA4-4 (6 - 15)	1/24/01	Soil	Tier II	No	······································				·····	
1 A0P691	RAA4-17 (0 - 1)	1/29/01 1/29/01	Soil Soil	Tier II Tier II	No						
1A0P691	RAA4-18 (1 - 6)	1/29/01	Soil	Tier II	No No						• • • • • • • • • • • • • • • • • • •
1 A0P691 1 A0P691	RAA4-19(0 - 1) RAA4-19(1 - 6)	1/29/01	Soil	Tier II	No		· · · • • • • • • • • • • • • • • • • •				an a
1A0P691	RAA4-19 (1 - 0)	1/29/01	Soil	Tier II	No					National and a state of a super-constrained descent and the super-constrained descent and the super-constrained	······································
1A0P691	RAA4-RB-1	1/29/01	Water	Tier II	Yes	1,2,3,4,6,7,8-HpCDD	Method Blank	0.000000000038	<0.00000000019	ND(0.000000000012)	
					• • •	1,2,3,4,6,7,8-HpCDF	Method Blank	0 000000000015	<0.00000000000000075	ND(0.000000000025)	* ************************************
			]			1,2,3,4,7,8-HxCDF	Method Blank	8 0000000000070	<0.000000000035	ND(0 00000000000000000000000000000000000	1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 -
				1		1,2,3,6,7,8-HxCDF	Method Blank	0.00000000000070	<0.000000000035	ND(0.00000000024)	
			1			1,2,3,7,8-PeCDF	Method Blank	0.00000000000070	<0.000000000035	ND(0 000000000020)	
1			1			HpCDFs (total)	Method Blank	0.000000000015	<0.000000000075	ND(0.00000000025)	
		L	L			OCDD	Method Blank	0.0000000025	<0.0000000025	ND(0 000000000073)	· · · · · · · · · · · · · · · · · · ·
1A0P716	RAA4-1 (0 - 1)	1/30/01	Soil	Tier 11	Yes	OCDD	Method Blank	0.0000069	<0.000069	ND(0.00043)	
1A0P716	RAA4-10(0 - 1)	(/10/01	Soit	Tier II	Yes	1,2,3,4,6,7,8-HpCDD	Method Blank Method Blank	0.00000077	<.0 0000039	ND(0 0000025)	an a tha an a tha an
1			]	ļ		1,2,3,4,6,7,8-HpCDF OCDD	Method Blank	0.0000012 0.0000027	<0.0000060	NEX(0.0000056)	en de se la companya de la companya
l		(		Į		PeCDDs (total)	Method Blank	0.0000027	<0.000027 <0.0000025	ND(0.000014) ND(0.0000082)	
1A0P716	RAA4-13 (0 - 1)	1/30/01	Soil	Tier II	No		HICKING DIANA	0 0000030	<u> </u>	nDQUMAAAa21	
1A0P716	RAA4-15 (0 - 1)	1/30/01	Soil	Tier II	No						· · · · · · · · · · · · · · · · · · ·
1A0P716	RAA4-5 (0 - 1)	1/30/01	Soil	Tier II	No	1			· · · · · · · · · · · · · · · · · · ·		ում՝ Հինդիսուցելուներիցիցըստը։ Այս հերհիդիսությունը դերորդիստը է Հինդիսությունը
1A0P716	RAA4-8 (0 - 1)	1/10/01	Soil	Tier II	No			· · · · · · · · · · · · · · · · · · ·			
1A0P716	RAA4-DUP-1	1/30/01	Soil	Tier II	No				and a state of the second state in the second state of the	a destanda ana ana any na dana da ana ana any na ang	Duplicate of RAA4-8
1A0P716	RAA4-RB-I	1/30/01	Water	Tier II	Yes	OCDD	Method Blank	0 00000000026	<0.0000000026	ND(0.0000000031)	and the second state of the se
1802010	(RA-20 (2 - 5)	1/31/01	Soil	Tier II	No					the second se	
1802010	CRA-21 (0 - 2)	1/31/01	Soil	lier 11	No	<u>}</u>		<b>_</b>	L		
1B0P010	CRA-22 (5 - 14)	1/31/01	Soil	Tier II	No			<u> </u>	-		
1B0P010	RAA4-22 (1 - 6)	1/31/01	Soil	Tier II Tier II	No						
1800010	X-16 (6 - 15)	1/31/01	Soil Soil	Tierli	No No			<u> </u>	-		and character was an any payment. At a service is and it information
180P010 180P010	X-17 (0 - 2) X-RB-1	1/31/01	Water	Tier II	Yes	OCDD	Method Blank	2 6E-11	<0.000000026	ND(0.000000000012)	
1B0P041	X-18 (6 - 15)	2/1/01	Soil	Tier II	No		INCOOL DIANK	4 90.11		(NLAD REPRESENTED IN THE REPORT OF THE REPOR	and the set the communication of the second s
1B0P043	X-RB-1	2/1/01	Water	Tier II	No	<u> </u>					
Sulfide and Cyani		•	4	<b>.</b>		<b>.</b>			4		
IA0P416	CRA-1 (5 - 14)	1/17/01	Soil	Tier II	No	I	1	1	7	,	
1A0P416	CRA-2 (2 - 5)	1/17/01	Soil	Tier II	No		1	<b></b>	1	······································	
1A0P416	CRA-3 (5 - 14)	1/17/01	Soil	Tier II	No			1		••••••••••••••••••••••••••••••••••••••	
1A0P416	CRA-DUP-2 (5 - 14)	1/17/01	Soil	Tier II	No	1	I	I	<b>1</b>	······································	Duplicate of CRA-3
Sulfide and Cyani	ide (continued)										
1A0P416	CRA-RD-1	1/17/01	Water	Tier II	No	I		1			

# FUTURE CITY RECREATIONAL AREA AND ADJACENT AREA

#### ANALYTICAL DATA VALIDATION SUMMARY

(Results are presented in parts per million, ppm)

Sample Delivery		Date	1	Validation					]		ر بر بر بر بر بر بر با الله من من المحمد المحمد المحمد المحمد المحمد المحمد المحمد المحمد المحمد الم
Group Ne.	Sample ID	Collected	Matrix	Level	Qualification	Campaund	QA/QC Parameter	Value	Centrel Limits	Qualified Result	Notes
1A0P448	CRA-5 (0 - 2)	1/18/01	Soil	Tier U	No						
	CRA-6 (2 - 5)	1/18/01	Soil	Tier II	No						
LA0P448	CRA-7 (0 - 2)	1/18/01	Soil	Tier II	No						Contraction of the latest strength of a state of the stat
1A0P448	CRA-RB-I	1/18/01	Water	Tier II	No				[		Construction of the second sec
1A0P496	CRA-14 (0 - 2)	1/19/01	Soil	Tier II	No						
1A0P496	CRA-15 (5 - 14)	1/19/01	Soil	Tiet II	No		[				
1 A0P496	CRA-16 (0 - 2)	1/19/01	Soil	Tiet II	No						and a second
1A0P496	CRA-17 (5 - 14)	1/19/01	Soil	Tier II	No						
1A0P496	CRA-RB-1	1/19/01	Soil	Tier II	No		1				
1A0P519	CRA-10 (2 - 5)	1/22/01	Water	Tier II	No						
1 AOP519	CRA-8 (2 - 5)	1/22/01	Soit	Tier U	No						and a second sec
1A0P519	CRA-9 (5 - 14)	1/22/01	Soil	Tier II	No						
1A0P519	CRA-RB-1	1/22/01	Water	Tier II	No						
1 A0P545	CRA-11 (0 - 2)	1/23/01	Soit	Tier U	No						
LAOPS45	CRA-12 (0 - 2)	1/23/01	Soil	Tier II	No						
1A0P545	CRA-13 (5 · 14)	· 1/23/01	Soil	Tier II	No						
LAOP545	CRA-18 (0 - 2)	1/23/01	Soil	Tier 11	No						
	CRA-19 (2 - 5)	1/23/01	Soil	Tier II	No					And and a fame that a second diversion of the second second second second second second second second second s	
1A0P545	CRA-RB-1	1/23/01	Soil	Tier II	No						
LAOP545	CRA-RB-1	1/23/01	Water	Tier II	No						Duplicate of CRA-18
1A0P592	CRA-RB-1	1/24/01	Water	Tier II	No		<u> </u>		<b></b>	and the state of the set of the set of the set of the set of the second set of the set of the set of the set of	
	RAA4-16 (6 - 15)	1/24/01	Soit	Tier II	Yes	Sutfide	MS %R	34 0%	75% to 125%	1600 1	
	RAA4-2 (6 - 15)	1/24/01	Soil	Tier II	Yes	Sulfide	MS %R	34 0%	75% to 125%	160 J	
	RAA4-4 (6 - 15)	1/24/01	Soil	Tier II	Yes	Sulfide	MS %R	34 0%	75% to 125%	770 1	
	RAA4-17(0-1)	1/29/01	Soil	Tier II	No						
	RAA4-18 (1 - 6)	1/29/01	Soil	Tier II	No		ļ				
	RAA4-19 (0 · 1)	1/29/01	Soit	Tier U	No		Ì				
1A0P691	RAA4-19 (1 - 6)	1/29/01	Soil	Tier II	No	·····			······································	a a sharahiiniilifa da iso yaxa Mirakan, consunt farihiinin yanaya co	
	RAA4-21 (6 - 15)		Soil	Tier II	No		<u>                                      </u>				
1A0P691	RAA4-RB-1	1/29/01	Water	Tier II Tier II	No					اديني ومعرب الالتريان المستجسل والجالا فالوسط والمت	
1A0P716	RAA4-1 (0 - 1)	1/30/01	Soil	Tier II	No		<u> </u>				
1A0P716	RAA4-10 (0 - 1)	1/30/01	Soil Soil	Tier II	No					الجيد برجادية واستقدادوا الارتباني فالمتحد والمتحد والإستناء	
1A0P716 1A0P716	RAA4-13 (0 - 1) RAA4-15 (0 - 1)	1/30/01	Soil	Tier II	No Na		+	······································			······
	RAA4-15 (0 - 1)	1/30/01	Soil	Tier II	No			·····			
1A0P716 1A0P716	RAA4-5 (0 - 1)	1/30/01	Soil	Tier II	No		+				· · · · · · · · · · · · · · · · · · ·
1A0P716	RAA4-DUP-1	1/30/01	Soil	Tier II	No		+				
1A0P716	RAA4-RB-1	1/30/01	Soil	TierII	No	······································			+	·····	
1B0P010	CRA-20 (2 - 5)	1/31/01	Soil	Tier II	No		1		+		Duplicate of RAA4-8
1B0P010	CRA-21 (0 - 2)	1/31/01	Soil	Tier II	No			•	+		·
1802010	CRA-22 (5 - 14)	1/31/01	Sail	Tier 0	No			······································	+	······································	
IBOPOIO	RAA4-22 (1 · 6)	1/31/01	Soil	Tier II	No			•			
1802010	X-RB-1	1/31/01	Water	Tier II	No	······································		<u> </u>	+	•	
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NOTE Soil samples designated with a "CRA-" prefix were collected from within the Future City Recreational Area, while soil samples designated with a "RAA4-" prefix were collected from portions of the East Street Area 2-South Removal Area adjacent to the Future City Recreational Area.