REPORT

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Immediate Response Action Completion Report For Parcels I9-9-27 and I9-9-28 Pittsfield, Massachusetts

(MDEP Site No. 1-0563R) (RTN 1-12289, I9-9-27) (RTN 1-12281, I9-9-28)

General Electric Company Pittsfield, Massachusetts

April 16, 1999



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1. Introduction

1.1 General

This *Immediate Response Action Completion Report* (IRA Completion Report) documents the response actions performed by the General Electric Company (GE) to address the presence of polychlorinated biphenyls (PCBs) detected in certain soils located at Parcels 19-9-27 and 19-9-28 in Pittsfield, Massachusetts. Specifically, this report describes response actions conducted between May 13 and 29, 1998, involving the removal and off-site disposal of approximately 155 cubic yards of soil (total) from the two parcels. This report has been prepared to satisfy Massachusetts Contingency Plan (MCP) requirements for the preparation of an IRA Completion Report (310 CMR 40.0427).

The need for an IRA at each of the parcels addressed in this report was based on the detection of polychlorinated biphenyls (PCBs) in accessible surficial soils at concentrations greater than 10 ppm and within 500 feet of a residence. Based on these criteria, a potential imminent hazard was identified pursuant to 310 CMR 40.0321 (2)(b). In response, GE provided a "two hour" release notification to the Massachusetts Department of Environmental Protection (MDEP) on April 9, 1998 in accordance with 310 CMR 40.0311(7). GE followed this verbal notification with the submittal of Release Notification & Notification Retraction Forms (BWSC-103) for Parcels I9-9-27 and I9-9-28 on April 14, 1998 (Attachment A) and an IRA Plan (discussed below) on April 24, 1998. The IRA Plan, prepared pursuant to 310 CMR 40.0411 of the MCP, identified GE's proposal to address, through the removal of select soils, the conditions associated with the potential imminent hazard.

The response actions for the parcels addressed by this report were performed in accordance with a document titled *Parcels I9-9-27, -28, Pittsfield, Massachusetts - Immediate Response Action Plan* (IRA Plan; Blasland, Bouck & Lee, Inc., April 1998). That document was submitted to the MDEP and the United States Environmental Protection Agency (USEPA) (the Agencies) and conditionally approved by the Agencies in a letter dated April 30, 1998 (Attachment B). The original IRA Plan dated April 24, 1998 included a proposal to collect additional soil samples from two soil borings and to amend the proposed soil removal limits as necessary upon receipt of this data. In their April 30, 1998 conditional approval letter, the Agencies concurred with this proposal but required GE to collect an additional soil sample. In addition, GE was required to submit an Immediate Response Action Transmittal Form (BWSC-105) with the revised IRA Plan prior to the commencement of response actions. A copy of the BWSC-105 form for Parcels 19-9-27 and 19-9-28 (Attachment C) and the updated soil removal limits (based on the laboratory analytical data from the additional sampling) was submitted to the Agencies on May 6, 1998.

Pursuant to the requirements of the Massachusetts Wetlands Protection Act (310 CMR 10.00), a Notice of Intent NOI application for the proposed IRA activities was required since the properties are located within designated wetlands resource areas. However, given scheduling constraints, the MDEP issued a Certificate of Emergency in lieu of an NOI to perform the work necessary to abate the potential imminent hazard. This certificate was included with the Agencies' April 30 conditional approval letter and is presented in Attachment D.

Additional information regarding the regulatory aspects of the response actions is provided in Section 1.2, while a summary of the various investigation and evaluation activities performed by GE is presented in Section 1.3. The subsequent IRA activities are described in Section 2 of this IRA Completion Report, and are supplemented by numerous data tables, figures and attachments. Section 3 of this report provides an evaluation of the response actions performed at the site. Please note that since some of the information summarized below has been previously submitted to the Agencies, only references to those prior submittals are provided herein.

1.2 Regulatory Status

Since November 1997, several investigation, assessment and evaluation activities have been conducted by GE regarding the presence of PCBs and other hazardous constituents in certain soils at Parcels 19-9-27 and 19-9-28, and the possible need for remedial actions to address potential current or future risks to health, safety, public welfare, and the environment. These activities were performed as part of a larger program undertaken by GE to identify, investigate, and remediate (where necessary) properties in Pittsfield and the surrounding areas where fill materials originating from the GE facility may have come to be located. Since this and all other properties within this program are Tier IA disposal sites pursuant to the MCP, all response actions conducted by GE have been performed under the direction and approval of the MDEP. Furthermore, for documentation purposes within the MCP, the off-site properties, including these parcels, are considered part of GE's "Remainder of the Facility" MCP Site (MDEP Site No. 1-0563R). The MDEP assigned individual Release Tracking Numbers (RTNs) for Parcels I9-9-27 (1-12289) and Parcel I9-9-28 (1-12281) based on two hour notifications provided by GE pursuant to 310 CMR 40.0311(7) of the MCP [indicating the detection of PCBs in soil at levels representing a potential imminent hazard per 310 CMR 40.0321(2)(b)].

1.3 Summary of Prior Investigations and Evaluations

Prior to the initiation of the IRA for Parcels I9-9-27 and I9-9-28, GE conducted a series of investigations to assess the presence of hazardous constituents regulated by the MCP. As previously stated, the investigations at these parcels were initiated in response to the possibility that fill materials originating from the GE facility may have come to be located at these properties. In November 1997, GE performed an initial site investigation at Parcel I9-9-28. Based on results of this investigation, GE performed a further assessment of this property and adjoining Parcel 19-9-27 in February 1998. GE performed an additional round of sampling at these two properties on March 31 and April 1, 1998 to further delineate the horizontal and vertical extent of PCBs. Upon receipt of the laboratory analytical results from the March 1998 phase of the site investigation, three accessible surface soil samples (i.e., 0- to 6-inch depth) were identified as having PCB concentrations at levels above 10 ppm, the threshold for a potential imminent hazard per 310 CMR 40.0321(2)(b). As previously discussed in Section 1.1, the ensuing correspondence between GE and the Agencies began with the two hour verbal notification provided by GE to the MDEP. The final round of sampling, which was proposed in the IRA Plan by GE and approved in the Agencies' April 30 conditional approval letter, was conducted on May 1, 1998. Upon receipt of this data, GE revised the soil removal limits and submitted these results along with a completed IRA Transmittal Form (Attachment C) to the Agencies on May 6, 1998. The PCB laboratory analytical data for Parcels 19-9-27 and 19-9-28 is presented in Tables 1 and 2 and displayed on Figure 1.

The results of the soil investigations summarized above provided a delineation of PCBs in accessible surface soils at concentrations greater than 10 ppm. For Parcels 19-9-27 and 19-9-28, GE proposed to remove those surface soils which contained PCBs at levels exceeding 10 ppm. The soil removal limits proposed by GE in the revised IRA Plan are presented on Figure 1.

In addition to the presence of PCBs in soil, the investigations performed by GE for Parcels I9-9-27 and I9-9-28 have included the collection of soil samples for analysis of those non-PCB constituents listed in Appendix IX of 40 CFR 264, plus benzidene, 2-chlorovinylether, and 1,2-diphenylhydrazine, excluding herbicides and pesticides (Appendix IX+3). These data, as well as the PCB data that remained following the performance of the IRA, will be considered during GE's future evaluations concerning the need for further remedial actions.

2. Summary of Immediate Response Actions

This section describes the activities performed by GE and its contractors related to the implementation of the IRA at Parcels 19-9-27 and 19-9-28. The IRA, including site preparation, soil removal, and property restoration, was implemented between May 13 and 29, 1998. The majority of the work (including the excavation and backfill activities) was performed between May 14 and 19, 1998. However, limited site preparation and restoration activities were also performed prior to May 14 and following May 19, respectively. The IRA was primarily conducted on behalf of GE by Maxymillian Technologies, Inc. (MTI). In addition, GE also retained Blasland, Bouck & Lee, Inc. (BBL) to assist in daily on-site observation; Berkshire Environmental Consultants, Inc. (BEC) to perform ambient air monitoring during the performance of excavation activities; Hill Engineers, Architects & Planners (Hill Engineers) to perform pre- and post-excavation survey control; Okerstrom-Lang to design and install new landscape plantings and/or structures upon completion of the Immediate Response Actions; and Berkshire Fence to install new fence as part of site restoration. A description of the key components of the IRA conducted at these properties is presented in the remainder of this section.

2.1 Permits and Approvals

Prior to initiating the IRA, GE obtained the necessary approvals, permits, and access agreements. These included receiving and incorporating the comments contained in the Agencies' conditional approval letter dated April 30, 1998 (Attachment B), and receiving a Certificate of Emergency issued by MDEP (Attachment D) in lieu of filing a Notice of Intent and receiving an Order of Conditions from the Pittsfield Conservation Commission. Lastly, GE was required by the Agencies in their conditional approval letter to secure permission for access to the properties from the property owners in order to perform the response actions.

2.2 Mobilization and Site Preparation

Mobilization and site preparation activities were conducted at Parcels I9-9-27 and I9-9-28 between May 13 and 15, 1998. In general, and as necessary, the following activities were performed for each property:

- Mobilization of labor, equipment, portable sanitary facility, and materials;
- Familiarization with the Contractor-specific and GE Health and Safety Plans (HASPs), as well as participation in site orientation and safety meetings required in the HASPs;
- Identification of underground utility lines within the proposed limits of excavation by utility company representatives;
- Demarcation of the anticipated limits of soil removal;
- Temporary relocation of a shed and other movable structures/objects which would impede IRA activities;
- Removal of existing wire fence and gate along the property line between Parcels I9-9-27 and I9-9-28;
- Installation of erosion and sedimentation control measures (i.e., staked silt fence around the proposed limits of excavation);
- Construction of a temporary access road to facilitate access for construction equipment and transport vehicles. The access road was constructed across the front lawn of Parcel I9-9-28 and consisted of a layer of woven geotextile fabric placed over the existing ground surface.
- Removal and chipping of trees, shrubs or other vegetation which would potentially interfere with soil removal operations. With Agency concurrence, large trees located within areas subject to one foot of soil removal or less, remained in place and excavation activities were performed around the trunk and roots of the trees. Grubbing of the root system of removed trees was performed concurrently with soil removal actions, with the grubbed trunk and root system disposed along with the excavated soils.

2.3 Soil Removal

Soil removal activities were initiated at Parcel I9-9-28 on May 14 and were completed on Parcel I9-9-27 on May 15, 1998. Excavation activities progressed from the back of Parcel I9-9-28 toward the back of Parcel I9-9-27, and then moved south toward the house on Parcel I9-9-27. Excavations were performed to a minimum depth of one foot and a maximum depth of two feet within the horizontal limits indicated on Figure 1, using a tracked excavator.

All excavated soils were loaded directly into trucks positioned on the temporary access road for off-site transport and disposal. The bed of each transport vehicle was lined with either polyethylene sheeting or another appropriate bed liner. After the vehicle was loaded, a tarpaulin was secured over the top of the bed and the wheels, undercarriage and outside of the transport vehicle were inspected for any accumulated soil which, if present, was removed prior to leaving the site.

During the performance of the IRA for Parcels 19-9-27 and 19-9-28, ambient air monitoring for airborne particulates was performed by BEC adjacent to the excavation areas in accordance with the *Scope of Work for Ambient Air Particulate Monitoring During Remedial Action at Off-Site Properties (19-9-27 and 19-9-28)*, (BEC, May 1998). The results of the ambient air monitoring performed during the IRA are presented in the document titled *Ambient Air Monitoring for Particulate Matter - East Street Remediation Sites (DEP Site #1-0563)* (BEC, September 1998). Both of these documents are presented in Attachment E. Dust control measures (water spray equipment) were available for the duration of excavation activities, and were implemented periodically as a precautionary measure.

The final limits of excavation for Parcels 19-9-27 and 19-9-28 were surveyed by Hill Engineers. The survey information, presented on Figure 2, documents that the excavations were completed to the specified limits identified in the IRA Plan. Based on the final survey measurements, approximately 155 in-situ cubic yards of soil were removed, approximately 140 cubic yards of which originated from Parcel 19-9-27. Weight measurements made by GE in conjunction with off-site transport and disposal indicate that the combined weight of the excavated soils from the two properties was approximately 215 tons. A summary of the transport vehicle load weights is provided on Table 3.

2.4 Backfill and Restoration

Following confirmation that the excavation limits proposed in the IRA Plan were achieved, the excavations were backfilled and restored to their original conditions. Also, the temporary access road was removed and the area underneath restored to its pre-IRA condition. Site restoration activities were performed between May 15 and May 29, 1998. Backfill materials used for this project consisted of common fill, gravel, and topsoil and were obtained from sources previously identified by GE and approved by the Agencies. The associated laboratory analytical data for these backfill sources is presented in Attachment F. Restoration of the excavated areas involved the installation of either sod, asphalt, concrete, and/or landscaping/plantings. The existing shed structure located on Parcel 19-9-28 was moved back to its original location following restoration of the excavated areas. Both properties were restored as close to their pre-construction conditions, as possible. However, each owner requested reasonable deviations which were accommodated by GE. Specific details regarding the backfill and restoration of excavated areas within the site are provided below.

2.4.1 Sod Areas

Restoration of affected lawn areas began with the placement and compaction of appropriate backfill material. Survey stakes were positioned to facilitate placement of common fill to within 4 to 6 inches of final grade. The common backfill material was placed in 6- to 12-inch lifts and compacted using a roller. The final 4 to 6 inches were then

backfilled with clean topsoil to re-establish the original grade. The topsoil was fine graded to generally match the surrounding contours and was then covered with sod and adequately watered.

2.4.2 Asphalt/Concrete Areas

Restoration of affected asphalt/concrete areas (i.e., sidewalks) began with the placement and compaction of common backfill. The common fill was placed as previously described to within 9- to 11-inches of final grade. A total of approximately 6 to 8 inches of gravel material was then placed in 3- to 4-inch lifts on top of the common fill and compacted. In areas requiring the placement of asphalt, the final 3 inches of the excavation was then restored with a 2-inch layer of binder asphalt and a 1-inch layer of top asphalt. The asphalt material was placed and compacted to generally match the surrounding surface contours and to promote positive drainage. In areas requiring the restoration of concrete, the final 3 inches of the excavation was then restored with a 3-inch layer of concrete, with steel reinforcing mesh, and was poured to match the surrounding surface contours and to promote positive drainage.

2.4.3 Landscaping and Plantings

The restoration of landscaping items consisted of the installation of new shrubs, trees, and a fence depending on the specific property. The new landscaping items were designed with input from the property owners, and installed to the satisfaction of the owners. In addition, all structures/objects that were moved prior to excavation activities were either moved back to their original location or moved to an alternate location specified by the property owner. Upon completion of final restoration, all temporary erosion and sedimentation control measures were removed and disposed offsite.

2.5 Demobilization

At the completion of site restoration activities, contractor labor, equipment, excess materials, and sanitary facilities were removed from the site. Demobilization was completed by May 19, 1997. Following demobilization, the newly placed sod was watered until the vegetation was adequately established.

2.6 Off-Site Transport and Disposal

Based on the soil investigations conducted prior to the performance of the IRA, it was determined that the soils excavated from the properties were subject to disposal requirements contained in Toxic Substances Control Act (TSCA) (40 CFR 760) and corresponding Massachusetts Hazardous Waste Regulations (310 CMR 30.0000). In addition, four samples were collected prior to performance of the IRA from Parcels 19-9-27 and 19-9-28 and submitted for Toxicity Characteristic Leaching Procedure (TCLP) analyses to determine if the soil proposed for removal was subject to disposal restrictions under the federal Resource Conservation and Recovery Act (RCRA, 40 CFR 264) and equivalent state regulations found at 310 CMR 30.0000. Two samples were collected from discrete soil borings and submitted for TCLP lead analysis only. The laboratory analytical results for both samples were non-detect for TCLP lead. To further ensure that the soil proposed for excavation and disposal in the IRA was not subject to further disposal restrictions, two composite soil samples were collected from three locations each within the limits of the proposed soil removal area and submitted for full TCLP analyses. Both samples indicated that the soil proposed for removal as part of the IRA was not subject to further disposal restrictions under RCRA or Massachusetts hazardous waste disposal regulations. This soil was managed as solid waste and directly loaded into appropriately lined transport vehicles for transportation to a temporary stockpile area approved by the Agencies and located at the GE facility. The temporary stockpile area for TSCA soils at the GE facility consisted of a lined, bermed area located on the concrete floor inside Building 33X. This temporary stockpile area was covered with polyethylene sheeting at the

end of each work day. The soil in the temporary stockpile area was subsequently transported to the Chemical Waste Management (CWM) facility in Model City, New York.

Prior to transporting the excavated soil from the site to the temporary stockpile area, or from the temporary stockpile area to the CWM facility, the vehicles were covered with tarpaulins and appropriate placards were placed on the vehicles. In addition, a Massachusetts Hazardous Waste Manifest was prepared and signed by GE personnel or by BBL personnel on behalf of GE. Approximately 215 tons of TSCA soil was excavated from the properties and transported, via the temporary soil stockpile at the GE facility, to the CWM facility for disposal. Copies of the manifests for each load of TSCA material transported from the properties are presented in Attachment G. A summary of the transport vehicle load weights is provided in Table 3.

3. Findings and Conclusions

3.1 General

This IRA Completion Report describes the work performed by GE between November 1997 and May 1998 at Parcels 19-9-27 and I9-9-28, in Pittsfield, Massachusetts. These activities involved investigative sampling at the properties, notifying the MDEP of a potential imminent hazard based on the sampling results, developing an IRA Plan, and implementing the Agency-approved IRA. With the completion of the IRA, GE eliminated the potential imminent hazard condition associated with the presence of PCBs in accessible surface soils, as defined in 310 CMR 40.0321(2)(b) of the MCP. Therefore, provided as Attachment H to this IRA Completion Report is a IRA Transmittal Form (BWSC-105) which satisfies the requirement to submit a Completion Statement form, as specified in 310 CMR 40.0427(5). A summary of the findings and conclusions for the IRA is presented below.

3.2 Implementation of the IRA Plan

Implementation of the IRA Plan resulted in the removal of approximately 155 cubic yards of soil weighing approximately 215 tons. Based upon the laboratory analytical results from the soil investigations, all excavated soil was transported to the CWM disposal facility in Model City, NY in accordance with TSCA regulations.

Upon completion of the soil removal proposed in the IRA Plan, Parcels 19-9-27 and 19-9-28 were restored to their pre-construction conditions. Removal of the excavated soils and restoration of the properties resulted in the elimination of the potential imminent hazard by removing the accessible surface soils containing PCBs at concentrations greater than 10 ppm.

3.3 Future Activities

With respect to future IRA activities at Parcels I9-9-27 and I9-9-28, GE will perform periodic monitoring to ensure that restored vegetation is growing as anticipated and providing necessary erosion control. If necessary, additional planting will be done by GE to replace dead or dying vegetation or to fill in any gaps resulting from less than adequate growth.

With respect to future MCP-related activities at these properties, GE will continue to comply with the MCP in a manner consistent with the process used for the other residential properties. For these parcels, GE will first evaluate the existing soils data to determine the need for additional characterization data. If additional data is necessary, GE will submit a proposal to the Agencies. Once site characterization activities are complete, GE will evaluate the need for and scope of further remedial actions.

Tables

BLASLAND, BOUCK & LEE, INC. engineers & scientists

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS PARCEL 19-9-27

SUMMARY OF PCB DATA (ppm, dry weight)

Sample ID	Depth (feet)	Date Collected	Aroclor-1242	Aroclor-1254	Aroclor-1260	Total PCBs
PARCEL 19-9-27						
Surface / Near-Su						
19-9-27-SS-1	0 - 0.5	02/05/98	ND(0.44) [ND(0.85)]	ND(0.44) [ND(0.85)]	1.9 [1.8]	1.9 [1.8]
	0.5 - 1	02/05/98	ND(0.19)	ND(0.19)	0.39	0.39
19-9-27-SS-2	0 - 0.5	02/05/98	ND(1.1)	ND(1.1)	2.0	2.0
	0.5 - 1	02/05/98	ND(0.79)	ND(0.79)	2.2	2.2
19-9-27-SS-3	0 - 0,5	03/31/98	ND(0.22)	0.52	2.5	3.02
	0.5 - 1	03/31/98	ND(0.19)	0.27	1.2	1.47
19-9-27-SS-4	0 - 0.5	03/31/98	ND(0.20)	0.26	0.92	1.18
	0.5 - 1	03/31/98	ND(0.20)	0.45	1.3	1.75
19-9-27-SS-5	0 - 0.5	03/31/98	ND(0.21)	ND(0.21)	0.45	0.45
	0.5 - 1	03/31/98	ND(0.20)	8.2	ND(2.0)	8.2
19-9-27-SS-6	0 - 0.5	03/31/98	ND(4.0)	29	57	86
	0.5 - 1	03/31/98	ND(2.0)	ND(2.0)	31	31
19-9-27-SS-7	0 - 0.5	03/31/98	ND(21)	ND(21)	170	170
	0.5 - 1	03/31/98	ND(40)	ND(40)	230	230
19-9-27-SS-14	0 - 0.5	05/01/98	ND(0.21)	ND(0.21)	1.3	1,3
	0.5 - 1	05/01/98	ND(0.20)	ND(0.20)	1.2	1.2
19-9-27-SS-15	0 - 0.5	05/01/98	ND(0.038)	0.35	0.37	0.72
	0.5 - 1	05/01/98	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
19-9-27-SS-16	0 - 0.5	05/01/98	ND(0.082)	ND(0.082)	0.84	0.84
	0.5 - 1	05/01/98	ND(0.038)	ND(0.038)	0.41	0.41
Soil Boring Sampl	es				*	alarra and a state of the state
19-9-27-SB-1	0 - 0.5	02/05/98	ND(1.3)	ND(1.3)	3.3	3.3
	0.5 - 1	02/05/98	ND(2.2)	ND(2.2)	3.5	3.5
	1-2	02/05/98	ND(4.5)	13	ND(4.5)	13
	2 - 4	02/05/98	ND(4.2)	ND(4.2)	9.0	9.0
	4 - 6	02/05/98	ND(26)	47	ND(26)	47
	6-8	02/05/98	ND(1.0)	3.2	ND(1.0)	3.2
9-9-27-SB-2	0 - 0,5	03/31/98	ND(0.29)	1.6	5.0	6,6
	0.5 - 1	03/31/98	ND(0.27)	0.56	1.1	1.66
	1-2	03/31/98	ND(0.24)	0.28	0.61	0.89
	2-4	03/31/98	ND(3.0)	7.3	13	20.3
	4 - 6	03/31/98	32	ND(3.4)	39	71
	6-8	03/31/98	16	ND(2.8)	25	41
	8 - 10	03/31/98	ND(24)	ND(24)	140	140
	10 - 12	03/31/98	0.74	ND(0.060)	0.88	
9-9-27-SB-3	0 - 0.5	04/01/98	ND(0.23)	ND(0.23)	1.7	1.62
002/000	0.5 - 1	04/01/98	ND(0.020)	1		1.7
	1-2	04/01/98	, ,	ND(0.020)	1.5	1.5
	2-4	04/01/98	ND(0.018)	0.086	0.15	0.236
	4-6	04/01/98	ND(0.022)	ND(0.022)	0.080	0.080
	6-8	04/01/98	ND(0.021)	ND(0.021)	ND(0.021)	ND(0.021)
9-9-27-SB-4	1-2	*****	ND(0.38)	0.031	ND(0.019)	0.031
J-J-27-00-4	2-4	04/01/98	ND(0.19)	1.0 ND(0.00)	1.2	2.2
	2-4 4-6	04/01/98	ND(0.20)	ND(0.20)	0.54	0.54
	1 1	04/01/98	ND(0.023) [ND(0.023)]	ND(0.023) [0.42]	ND(0.023) [ND(0.023)]	ND(0.023) [0.42
9-9-27-SB-5	6-8	04/01/98	ND(0.021)	ND(0.021)	ND(0.021)	ND(0.021)
	0-0.5	04/01/98	ND(2.2)	ND(2.2)	6.7	6.7
	0.5 - 1	04/01/98	ND(0.19)	0.87	2.3	3.17
	1-2	04/01/98	ND(0.20)	1.1	2.3	3.4
	2-4	04/01/98	ND(0.19)	0.54	0.81	1.35
	4-6	04/01/98	ND(0.021) [ND(0.020)]	ND(0.021) [0.061]	ND(0.021) [ND(0.020)]	ND(0.021) [0.061
	6-8	04/01/98	ND(0.20)	1.1	ND(0.20)	1.1
	8 - 10	04/01/98	ND(0.021)	0.021	ND(0.021)	0.021
9-9-27-SB-6	1 - 2	05/01/98	ND(3.7)	12	13	25
	2 - 4	05/01/98	ND(0.037) [ND(0.038)]	0.16 [0.19]	0.21 [0.25]	0.37 [0.44]
	4 - 6	05/01/98	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-8	05/01/98	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	8 - 10	05/01/98	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)

Notes

1) Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Quanterra, 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.

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS PARCEL 19-9-28

SUMMARY OF PCB DATA (ppm, dry weight)

Sample ID	Depth (feet)	Date Collected	Aroclor-1242	Aroclor-1254	Aroclor-1260	Total PCBs
PARCEL 19-9-			· · · · · ·	· · · · · · · · · · · · · · · · · · ·		
	-Surface Samp	les				
19-9-28-SS-1	0 - 0.5	11/26/97	ND(0.20)	ND(0.20)	0.34	0.34
	0.5 - 1	11/26/97	ND(0.40)	ND(0.40)	0.78	0.78
19-9-28-SS-2	0 - 0.5	11/26/97	ND(0.18)	ND(0.18)	0.58	0.58
	0.5 - 1	11/26/97	ND(0.18)	ND(0.18)	0.45	0.45
19-9-28-SS-3	0 - 0.5	11/26/97	ND(0.88)	ND(0.88)	1.9	1.9
	0.5 - 1	11/26/97	ND(0.81)	ND(0.81)	1.6	1.6
9-9-28-SS-4	0 - 0.5	11/26/97	ND(0.42)	ND(0.42)	0.70	0.70
	0.5 - 1	11/26/97	ND(0.82)	ND(0.82)	1.2	1.2
9-9-28-SS-5	0 - 0.5	11/26/97	ND(0.037)	0.071 [0.18]	ND(0.037) [ND(0.037)]	0.071 [0.18]
	0.5 - 1	11/26/97	ND(0.073)	0.16	ND(0.073)	0.16
9-9-28-SS-6	0 - 0.5	11/26/97	ND(0.41)	ND(0.41)	0.51	0.51
	0.5 - 1	11/26/97	ND(0.26)	ND(0.26)	0.43	0.43
9-9-28-SS-7	0 - 0.5	11/26/97	ND(0.80)	ND(0.80)	0.88	0.88
	0.5 - 1	11/26/97	ND(0.39)	ND(0.39)	0.66	0.66
9-9-28-SS-8	0 - 0.5	02/05/98	ND(0.47)	ND(0.47)	1.5	1.5
	0.5 - 1	02/05/98	ND(0.79)	ND(0.79)	4.5	4.5
9-9-28-SS-9	0 - 0.5	03/31/98	ND(2000)	13000	ND(2000)	13000
	0.5 - 1	03/31/98	ND(1900)	6300	ND(1900)	6300
9-9-28-SS-10	0 - 0.5	04/10/98	ND(0.032)	0.091	0.15	0.241
	0.5 - 1	04/10/98	ND(0.030)	0.12	0.12	0.24
9-9-28-SS-11	0 - 0.5	04/10/98	ND(0.018)	0.40	0.33	0.73
	0.5 - 1	04/10/98	ND(0.022)	0.064	0.071	0.135
9-9-28-SS-12	0 - 0.5	04/10/98	ND(0.39)	1.9	1.1	3.0
	0.5 - 1	04/10/98	ND(0.21)	ND(0.21)	0.74	0.74
9-9-28-SS-13	0 - 0.5	04/10/98	ND(0.21)	ND(0.21)	0.74	0.74
	0.5 - 1	04/10/98	ND(0.042) [ND(0.20)]	0.13 [ND(0.20)]	0.22 [0.43]	0.35 [0.43]
Soil Boring Sa	mples			<u>,</u> /		0.00 [0.10]
9-9-28-SB-1	0 - 0.5	12/01/97	ND(0.076)	ND(0.076)	0.25	0.25
	0.5 - 1	12/01/97	ND(0.19)	ND(0.19)	0.52	0.52
	1 - 2	12/01/97	ND(0.039)	ND(0.039)	0.25	0.25
	2 - 4	12/01/97	ND(0.052)	ND(0.052)	0.094	0.094
	4 - 6	12/01/97	ND(0.98)	ND(0.98)	5.6	5.6
	6-8	12/01/97	ND(13)	55	ND(13)	55
9-9-28-SB-2	0 - 0.5	12/01/97	ND(0.41)	ND(0.41)	2.1	2.1
A vouried dama	0.5 - 1	12/01/97	ND(0.39)	ND(0.39)	2.4	2.4
	1 - 2	12/01/97	ND(0.077)	ND(0.077)	0.40	0.40
ALL AND A DESCRIPTION OF A	2 - 4	12/01/97	ND(0.038)	ND(0.038)	0.23	0.23
	4 - 6	12/01/97	ND(0.045)	ND(0.045)	0.066	0.066
	6-8	12/01/97		ND(0.045) [ND(0.043)]	0.083 [0.20]	0.083 [0.20]
	8 - 10	12/01/97	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)
	10 - 12	12/01/97	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)
	12 - 14	12/01/97	ND(0.079)	ND(0.079)	ND(0.079)	ND(0.079)
	14 - 16	12/01/97	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)

See notes on page 2.

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS PARCEL 19-9-28

SUMMARY OF PCB DATA (ppm, dry weight)

Sample ID	Depth (feet)	Date Collected	Aroclor-1242	Aroclor-1254	Aroclor-1260	Total PCBs
19-9-28-SB-3	0 - 0.5	12/01/97	ND(0.44)	2.0	ND(0.44)	2.0
	0.5 - 1	12/01/97	ND(0.036)	ND(0.036)	0.18	0.18
	1 - 2	12/01/97	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	2 - 4	12/01/97	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	4 - 6	12/01/97	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]	ND(0.042) [ND(0.042)]
	6 - 8	12/01/97	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	8 - 10	12/01/97	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
19-9-28-SB-4	1 - 2	02/05/98	ND(0.38)	ND(0.38)	0.98	0.98
4	2 - 4	02/05/98	ND(0.38)	ND(0.38)	1.6	1.6
	4 - 6	02/05/98	ND(0.091)	ND(0.091)	0.17	0.17
	6 - 8	02/05/98	ND(0.043)	0.11	ND(0.043)	0.11
19-9-28-SB-5	1 - 2	02/05/98	ND(0.038)	ND(0.038)	0.17	0.17
	2 - 4	02/05/98	ND(0.079) [ND(0.20)]	ND(0.079) [ND(0.20)]	0.41 [0.54]	0.41 [0.54]
	4 - 6	02/05/98	ND(0.86)	ND(0.86)	2.3	2.3
	6 - 8	02/05/98	ND(4.7)	ND(4.7)	19	19
	8 - 10	02/05/98	ND(0.89)	ND(0.89)	1.9	1.9
	10 - 12	02/05/98	ND(0.076)	ND(0.076)	ND(0.076)	ND(0.076)
	12 - 14	02/05/98	ND(0.11)	ND(0.11)	0.57	0.57
	14 - 16	02/05/98	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
19-9-28-SB-6	1 - 2	03/31/98	ND(0.38)	4.3	4.6	8.9
a second	2 - 4	03/31/98	ND(0.021)	ND(0.021)	ND(0.021)	ND(0.021)
	4 - 6	03/31/98	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
	6 - 8	03/31/98	ND(0.020)	ND(0.020)	ND(0.020)	ND(0.020)
19-9-28-SB-7	1 - 2	05/01/98	ND(0.035)	0.19	0.22	0.41
	2 - 4	05/01/98	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]	ND(0.037) [ND(0.038)]
-	4 - 6	05/01/98	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6 - 8	05/01/98	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	8 - 10	05/01/98	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)

Notes:

1) Samples were collected by Blasland, Bouck & Lee, Inc., and were submitted to Quanterra, 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.

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS PARCELS 19-9-27, 19-9-28

SUMMARY OF OFF-SITE TRANSPORT: TSCA SOIL LOADS, WEIGHTS, AND DESTINATION

Parcel No.	Manifest No.	Date	Destination	Tons
19-9-27	MAK021315	05/14/98	Temporary Stockpile	17.58
19-9-27	MAK021317	05/14/98	Temporary Stockpile	18.98
19-9-27	MAK021318	05/14/98	Temporary Stockpile	17.85
19-9-27	MAK021319	05/14/98	Temporary Stockpile	21.05
19-9-27	MAK021322	05/15/98	Temporary Stockpile	16.52
19-9-27	MAK020402	05/15/98	Temporary Stockpile	21.34
19-9-27	MAK020404	05/15/98	Temporary Stockpile	0.61
19-9-27	MAK020405	05/15/98	Temporary Stockpile	3.43
19-9-27	MAK021321	05/15/98	Temporary Stockpile	19.32
19-9-27	MAK021320	05/15/98	Temporary Stockpile	19.40
19-9-27	MAK020401	05/15/98	Temporary Stockpile	18.20
19-9-27	MAK021324	05/15/98	Temporary Stockpile	19.71
19-9-27	MAK021323	05/15/98	Temporary Stockpile	17.72
19-9-27	MAK020406	05/18/98	Temporary Stockpile	2.87
			Total Tons:	214.58

Notes:

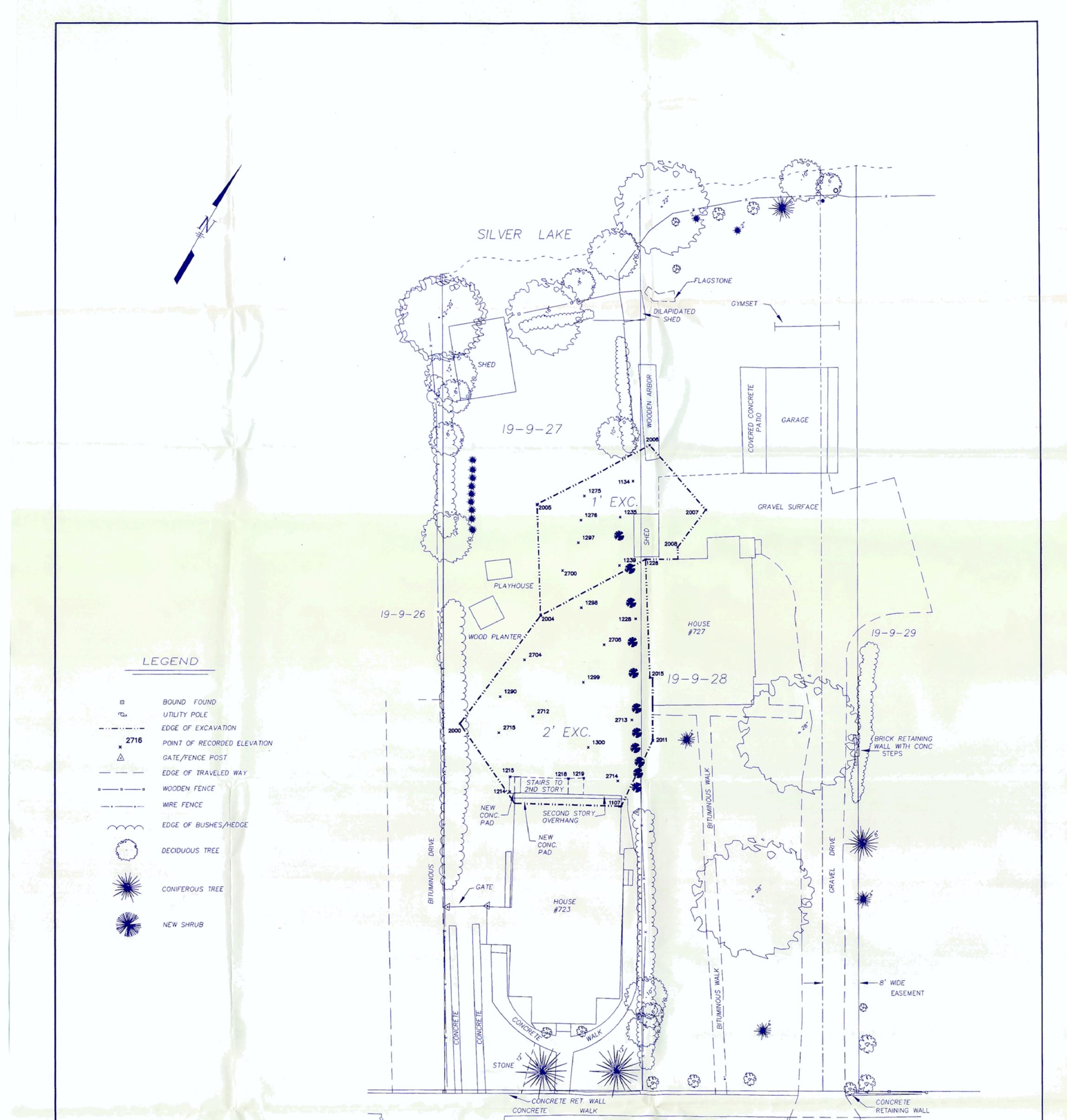
1) Temporary Stockpile = Area within GE facility adjacent to building 33X.

Figures

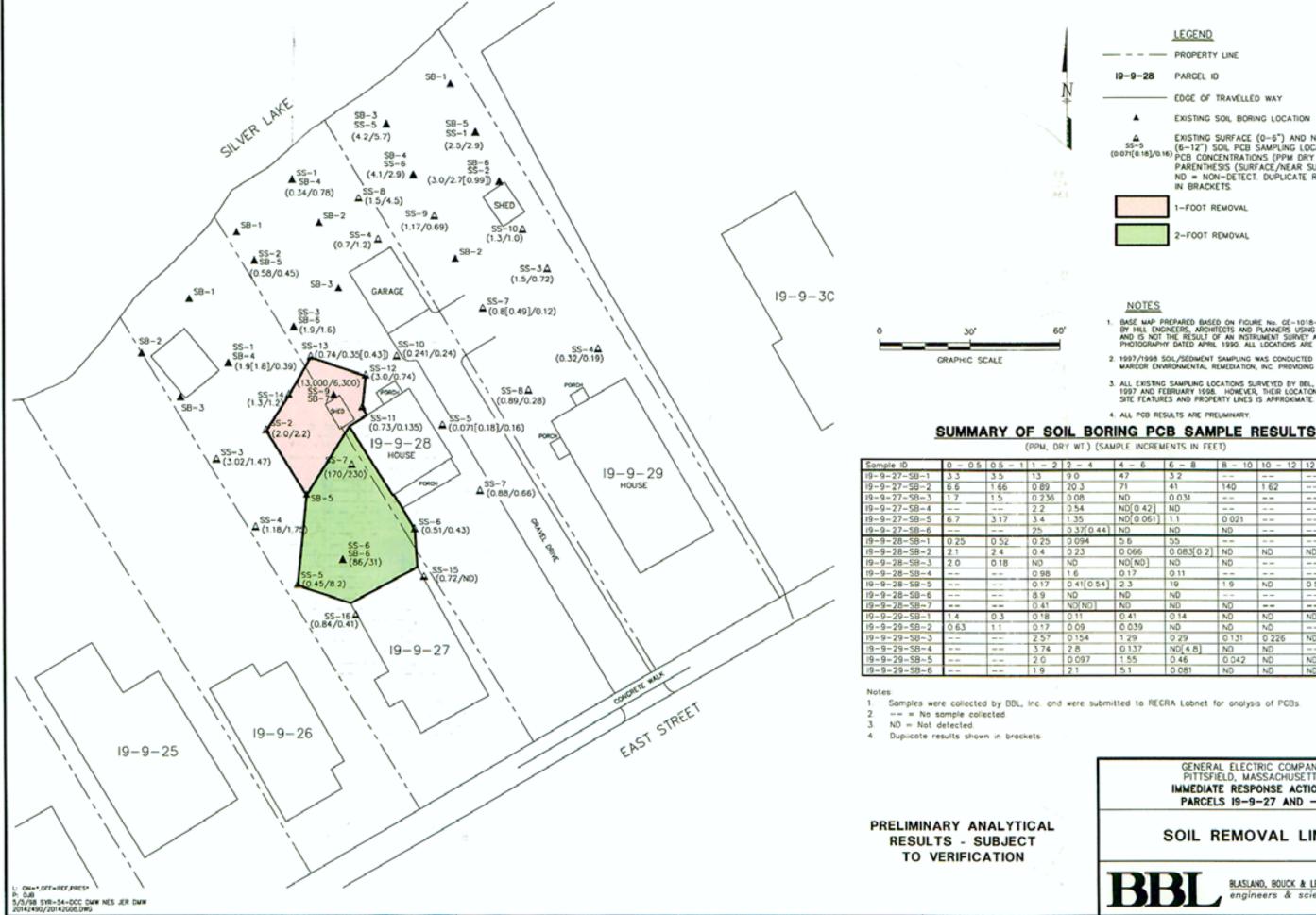
BLASLAND, BOUCK & LEE, INC.

All and a second second

engineers & scientists



ORIGINAL EXCAV. DEPTH FINAL PT # ELEV. ELEV. (FT) ELEV.	GRANITE CURB EAST STREET
1 FOOT EXCAVATION 1134 985.0 983.9 1.1 984.8 1226 985.0 983.9 1.1 985.1 1235 984.7 983.3 1.4 984.6 1239 984.8 983.8 1.0 984.9 1275 984.7 983.5 1.2 984.6 1276 984.7 983.3 1.4 984.7 1297 984.8 983.3 1.5 984.7 2004 984.8 983.5 1.0 984.9 2005 984.5 983.5 1.0 984.4 2006 985.2 984.1 1.4 985.4 2007 985.5 984.1 1.4 985.4 2008 985.4 984.4 1.0 985.4 2008 985.4 984.3 2.0 986.4 2109 986.2 984.1 2.0 986.4 1214 986.3 984.3 2.0 986.4	NOTES: 1. HORIZONTAL AND VERTICAL CONTROL SUPPLIED BY BLASLAND, BOUCK & LEE. 2. AREAS OF REMEDIATION WERE SUPPLIED FROM BLASLAND, BOUCK & LEE 3. STARS SHOWN ON THEIR PLAN TITLED SOLR REMOVAL LIMITS, PARCELS 19–9–27 AND 02. DRAWING NO. 20142002.000G. 3. SEE ALSO PLANS NUMBERED CETO18–33–1 AND GETOT8–34–1, PREPARED BY HILL ENGINEERS. ARCHITECTS, AND PLANNERS INC. 4. THIS SITE PLAN DEPICTS AS BUILT CONDITIONS ON 6–11–98.
1298 984.7 982.3 2.4 984.9 1299 985.4 983.2 2.2 985.4 1300 985.9 983.9 2.0 986.1 2000 985.6 983.5 2.1 985.2 2004 984.8 982.8 2.0 984.9 2011 986.7 984.6 2.1 986.9 2015 985.4 983.2 2.2 985.4 2704 985.3 982.9 2.4 985.1 2705 985.0 983.0 2.0 985.1 2712 985.5 983.4 2.1 985.6 2713 986.1 984.1 2.0 986.1 2714 986.4 984.4 2.0 986.6 2715 985.5 983.4 2.1 985.6	GENERAL ELECTRIC COMPANY PITTSFIELD 723 & 727 EAST ST. MASSACHUSETTS OWF orchitects bolton. MA 01226 (413) 684-0925 Street bolton. MA 01226 Street bolton. MA 01226 Street bolton. MA 01226



	LEGEND
	PROPERTY LINE
19-9-28	PARCEL ID
	EDGE OF TRAVELLED WAY
	EXISTING SOIL BORING LOCATION
▲ 55-5 (0.071[0.18]/0.16)	EXISTING SURFACE (0-6") AND NEAR-SURFACE (6-12") SOIL PCB SAMPLING LOCATION. TOTAL PCB CONCENTRATIONS (PPM DRY WT.) SHOWN IN PARENTHESIS (SURFACE/NEAR SURFACE). ND = NON-DETECT. DUPLICATE RESULTS SHOWN IN BRACKETS.
	1-FOOT REMOVAL
No.	2-FOOT REMOVAL

- BASE MAP PREPARED BASED ON FIGURE No. GE-1018-SKT-SS (10/13/97) BY HEL CNONEGRS, ARCHITECTS AND PLANNERS USING AVAILABLE DATA AND IS NOT THE RESULT OF AN INSTRUMENT SURVEY AND FROM AERIAL PHOTOGRAPHY DATED APRIL 1990. ALL LOCATIONS ARE APPROXIMATE.
- 2. 1997/1998 SOIL/SEDIMENT SAMPLING WAS CONDUCTED BY BBL, INC., WITH MARCOR ENVIRONMENTAL REMEDIATION, INC. PROVIDING DRILLING SERVICES.
- ALL EXISTING SAMPLING LOCATIONS SURVEYED BY BBL, INC. IN NOVEMBER 1997 AND FEBRUARY 1998. HOWEVER, THEIR LOCATIONS REFERENCED TO SITE FEATURES AND PROPERTY LINES IS APPROXIMATE.
- 4. ALL PCB RESULTS ARE PRELIMINARY

	the second se				
4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16
47	32				
71	41	140	1.62		
ND	0.031				
ND[0.4	2] ND				
ND[0.0	61] 1.1	0.021			
ND	ND	ND			
5.6	55				
0.066	0.083[0.2] ND	ND	ND	ND
ND[ND] ND	ND			
0.17	0.11				
2.3	19	1.9	ND	0.57	ND
ND	ND				
ND	ND	ND			
0.41	0.14	ND	ND	ND	ND
0.039	ND	ND	ND		
1.29	0.29	0.131	0.226	ND	ND
0.137	ND[4.8]	ND	ND		
1.55	0.46	0.042	ND	ND[ND]	ND
5.1	0.081	ND	ND	ND	

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS IMMEDIATE RESPONSE ACTION -PARCELS 19-9-27 AND -28

SOIL REMOVAL LIMITS

BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE

Attachment A

BLASLAND, BOUCK & LEE, INC. engineers & scientists

> Release Notification & Notification Retraction Form (BWSC-103)

Massachus	etts Depa	artment of	Environm	ental Protect	ion	BWSC-103
Bureau of V	Vaste Site	Cleanup	:		;	Reiease Tracking Number
RELEASE	OTIFICA	TION & NO	OTIFICATI	ON RETRAC	TION	an wind an performance of a second se
DEP FORM Pursu	ant to 310 CM	VR 40.0335 ar	nd 310 CMR 4	0.0371 (Subpart C)	<u> </u>
A. RELEASE OR THREAT OF REL	EASE LOCA	ATION:				
1			Locat	ion Aic	-27	
City/Town: <u>Pittsfield</u>			ZIP C	ode: 0120	1	
B. THIS FORM IS BEING USED TO	(check one))			_	
Submit a Release Notification (c	omplete all sect	lions of this form	•	. ·	••	•
Submit a Retraction of a Previou form). You MUST attach the supporti	sly Reported	I Notification on required by 31	of a Release or 1 10 CMR ⁻ 40.0335	Threat of Release (co	plete Sectio	ons A. B. É. F and G of this
C. INFORMATION DESCRIBING T	HE RELEASE	OR THREAT	OF RELEAS	E (TOR):		
Date and time you obtained knowledge of th					S	pecify. X AM PM
The date you obtained knowledge is alw						
IF KNOWN, record date and time release or						
T Check here if you previously provided a					-	
Provide date and time of Oral Notificati			•			·····
•						
Check all Notification Thresholds that apply	to the Release	or Threat of Rele	ase: (for mo	ore information see 3	0 CMR 40.0	310 - 40.0315)
2 HOUR REPORTING CONDITIONS	72 HOUR F	REPORTING CC	NDITIONS	120 DAY REPORT	NG CONDI	TIONS
Sudden Release		rface Non-Aquec (NAPL) Equal to		Release of Hat Groundwater E		rial(s) to Sérior
Threat of Sudden Release	1/2 Inc	sh.		Concentration(2
Oil Sheen on Surface Water Poses Imminent Hazard	Under Release	ground Storage T se	fank (UST)	Release of Oil Concentration(Yards	to Soil Excee s) and Affect	ding Reportable ing More than 2 Cubic
Could Pose Imminent Hazard	Threat	of UST Release			to Groundwa	ter Exceeding Reportable
Release Detected in Private Well		e to Groundwate	r near	Concentration(s) .	ter Exocoding Reportable
Release to Storm Drain		Supply se to Groundwate		Subsurface No	n-Aqueous f	Phase Liquid (NAPL) Inch and Less than 1/2
Sanitary Sewer Release (Imminent Hazard Only)		l or Residence		Inch	ater than 170	inch and Less than 1/2
List below the Oils or Hazardous Materials th	of over ad the 's	Demonstrative Original	· · · · · · · · · · · · · · · · · · ·	· ·		
List below the Oils or Hazardous Materials the If necessary, attach a list of additional Oil an	d Hazardous M	aterial substance	centration or Rep is subject to repo	ortable Quantity by th rting.	e greatest ar	nount,
Name and Quantities of Oils (O) and Hazard	lous Materials (HM) Released:				
O or HM Released	о нм	CAS #	Amount c	or , Units		ortable Concentrations ceeded, if Applicable
	(check one)	(if known)	Concentrat		(RCS-1, F	CS-2. RCGW-1. RCGW-2)
PCB	- <u> </u>		<u>· · 170</u>	PPM		
	· · · · · · · · · · · · · · · · · · ·					
D. ADDITIONAL INVOLVED PARTI	ES:					
Check here if attaching names and add submitting this Release Notification (red	resses of owne quired).	rs of properties a	iffected by the Re	elease or Threat of R	elease, othur	than an owner who is
Check here if attaching Licensed Site P	rofessional (LS	P) name and add	dress (optional)			
You may writ	e in names an	id addresses on	the bottom of i	the second page of	this form.	
Revised 3/1/95		Supersedes F	Orm BIAISE OF	no		- · · · ·
			er This Form	13		Page 1 of 3

and a second

l.	Bureau of Waste	Department of Site Cleanup	Environmental Pro	otection	BWSC-*
DEP	RELEASE NOTIF	ICATION & NO	TIFICATION RETR	ACTION	
E. PERSON REQU		10 CMR 40.0335 ar	nd 310 CMR 40.0371 (Sut	part C)	If assigned by DEF
Name of Contact:	Richard W. Catoo	Company - Co	rporate Environme	<u>ental Progra</u>	ms
Street: 100 Mood	land w. Gales	s	Title Remediat	ion Project	Manager
	ilawn Avenue		9 dame		· • .
Telester (12 (.eld		StateMA	ZIP Code0	1201
Telephone: 413 4	94-2176	Ext.:	FAX: (optional)		
F. RELATIONSHIP	OF PERSON REQUIRED	D TO NOTIFY TO R	ELEASE OR THREAT O	E RELEASE.	(abool: ana)
RP or PRP Spec	oify: 🗋 Owner 🎗 Oper	rator Generator	Transporter Other RP c	r PRP:	
Fiduciary, Secured	Lender or Municipality with E	xempt Status (as define	d by M.G.L. c. 21E. s. 2)		
Agency or Public U	Itility on a Right of Way (as de	fined by M G H c 21E	s 5(i))		•
Any Person Otherwi	ise Required to Notify Spec	cify Relationship:	······		4
G. CERTIFICATION	OF PERSON REQUIRE			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
n unose individuais imme	Olately responsible for obtaining	mathe information of	ains and penalties of perjury (i ocuments accompanying this material information contained	a on on mental form, (B) t	hat, based on my inquir
nowledge and belief, true his submittal. I/the perso	e, accurate and complete, and	d (iii) that I am fully auth	orized to make this attestation	in this submittal is, t	o the best of my
cossible lines and imprise	onment, for willfally submitting	as submittal is made an g false, inaccurate, or in	orized to make this attestation n/is aware that there are signif complete information.	cant penalties, inclu	ding, but not limited to,
A la Anna	111 bother	•		·	
(signature)	NU Mues				•
(Signalule)	1	· · ·	The Remediatio	n Project M	anager
	/	· · ·		•	
For:	n or entity recorded in Section	- E)		n Project M	
For:(print name of person			Date 4/14/98	•	
For:(print name of person	on providing certification, if dif	fferent from address rec	Date 4/14/98	•	
For:	on providing certification, if dif		Date 4/14/98	•	
For:	on providing certification, if dif	fferent from address rec	Date 4/14/98	•	
For:	on providing certification, if dif	fferent from address rec	Date 4/14/98 Forded in Section E:	ZIP Code:	
For:	on providing certification, if dif	Ext. NT SECTIONS OF T AN INCOMPLETE	Date 4/14/98 corded in Section E: State FAX: (optional) THIS FORM OR DEP MA FORM, YOU MAY BE F	ZIP Code:	· · · · · · · · · · · · · · · · · · ·
For:	on providing certification, if dif	Ext.	Date 4/14/98 corded in Section E: State FAX: (optional) THIS FORM OR DEP MA FORM, YOU MAY BE F	ZIP Code:	· · · · · · · · · · · · · · · · · · ·
or:	on providing certification, if dif	Ext. NT SECTIONS OF T AN INCOMPLETE	Date 4/14/98 corded in Section E: State FAX: (optional) THIS FORM OR DEP MA FORM, YOU MAY BE F	ZIP Code:	· · · · · · · · · · · · · · · · · · ·
or:	on providing certification, if dif	Ext. NT SECTIONS OF T AN INCOMPLETE	Date 4/14/98 corded in Section E: State FAX: (optional) THIS FORM OR DEP MA FORM, YOU MAY BE F	ZIP Code:	· · · · · · · · · · · · · · · · · · ·
or:	on providing certification, if dif	Ext. NT SECTIONS OF T AN INCOMPLETE	Date 4/14/98 corded in Section E: State FAX: (optional) THIS FORM OR DEP MA FORM, YOU MAY BE F	ZIP Code:	· · · · · · · · · · · · · · · · · · ·
or: (print name of person inter address of the person itreet: ity/Town: elephone: YOU MUST CO INCOM	on providing certification, if dif	Ext. NT SECTIONS OF T AN INCOMPLETE	Date 4/14/98 corded in Section E: State FAX: (optional) THIS FORM OR DEP MA FORM, YOU MAY BE F	ZIP Code:	· · · · · · · · · · · · · · · · · · ·
or: (print name of person inter address of the person itreet: ity/Town: elephone: YOU MUST CO INCOM	on providing certification, if dif	Ext. NT SECTIONS OF T AN INCOMPLETE	Date 4/14/98 corded in Section E: State FAX: (optional) THIS FORM OR DEP MA FORM, YOU MAY BE F	ZIP Code:	· · · · · · · · · · · · · · · · · · ·
or: (print name of person inter address of the person itreet: ity/Town: elephone: YOU MUST CO INCOM	on providing certification, if dif	Ext. NT SECTIONS OF T AN INCOMPLETE	Date 4/14/98 corded in Section E: State FAX: (optional) THIS FORM OR DEP MA FORM, YOU MAY BE F	ZIP Code:	· · · · · · · · · · · · · · · · · · ·
or: (print name of person inter address of the person itreet: ity/Town: elephone: YOU MUST CO INCOM	on providing certification, if dif	Ext. NT SECTIONS OF T AN INCOMPLETE	Date 4/14/98 corded in Section E: State FAX: (optional) THIS FORM OR DEP MA FORM, YOU MAY BE F	ZIP Code: Y RETURN THE ENALIZED FOR	· · · · · · · · · · · · · · · · · · ·
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	etts Department of Er /aste Site Cleanup	nvironment	al Protection	BWSC-103
		*	;	Release Tracking Number
	OTIFICATION & NOT			1 12281
A. RELEASE OR THREAT OF REL	ant to 310 CMR 40.0335 and 3	10 CMR 40.03	71 (Subpart C)	If assigned by DEP
	EASE LOCATION:		. T0-0-28	
	· · · · · · · · · · · · · · · · · · ·			n an
B. THIS FORM IS BEING USED TO		•		
X Submit a Release Notification (c	omplete all sections of this form).			
Submit a Retraction of a Previou form). You MUST attach the supporti	sly Reported Notification of a ng documentation required by 310 C	Release or Threa MR 40.0335.	t of Release (coplete Sec	tions A, B, E, F and G of this
C. INFORMATION DESCRIBING T	HE RELEASE OR THREAT OF	F RELEASE (T	OR):	
Date and time you obtained knowledge of th	e Release or TOR. Date: 4/9/		4:30	Specify AM X PM
The date you obtained knowledge is alw	ays required. The time you obtai	ined knowledge i	is not required if reportir	ig only 120 Day Conditions.
IF KNOWN, record date and time release o	TOR occurred. Date:	Time	· · ·	Specify: AM PM
Check here if you previously provided	an Oral Notification to DEP (2 Hour a	and 72 Hour Repo	rting Conditions only).	····
Provide date and time of Oral Notificat				Specify AM X PM
Check all Notification Thresholds that apply				
2 HOUR REPORTING CONDITIONS			formation see 310 CMR 40	· •
	72 HOUR REPORTING COND			
Sudden Release	Subsurface Non-Aqueous I Liquid (NAPL) Equal to or (Release of Hazardous M Groundwater Exceeding	
Threat of Sudden Release	1/2 Inch,	(1)(7)	Concentration(s)	2
Oil Sheen on Surface Water	Underground Storage Tank Release	(USI) —	Release of Oil to Soil Exc Concentration(s) and Affe	
Poses Imminent Hazard	Threat of UST Release		Yards	• • •
Could Pose Imminent Hazard	Release to Groundwater ne		Release of Oil to Ground Concentration(s)	water Exceeding Reportable
Release Detected in Private Well	Water Supply	:di	Subsurface Non-Aqueou	C Phase Liquid (NADL)
Release to Storm Drain	Release to Groundwater ne	ar	Equal to or Greater than	1/8 Inch and Less than 1/2
Sanitary Sewer Release (Imminent Hazard Only)	School of Residence	,	Inch ,	
			· ·	
List below the Oils or Hazardous Materials t If necessary, attach a list of additional Oil ar	hat exceed their Reportable Concent id Hazardous Material substances si	ration or Reportab ubject to reporting	le Quantity by the greatest	amount.
Name and Quantities of Oils (O) and Hazar	dous Materials (HM) Released:			
O or HM Released	O HM CAS#	Amount or		eportable Concentrations Exceeded, if Applicable
	(check one) (if known)	Concentration	(RCS-1	, RCS-2, RCGW-1, RCGW-2)
PCB	<u> </u>	. 13,000	РРМ	
	9440-449, 4e-shows		,	;
D. ADDITIONAL INVOLVED PARTI				
Check here if attaching names and add submitting this Release Notification (re	dresses of owners of properties affect	cted by the Releas	e or Threat of Release, oth	our than an owner who is
Check here if attaching Licensed Site	Professional (LSP) name and addres	ss (optional)		
	te in names and addresses on th		second page of this form	l.
Revised 3/1/95	Supersedes Fori Do Not Alter			Page 1 o'

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	Massachusetts I Bureau of Waste	Department of E Site Cleanup	nvironmental Protection	BWSC-1
	RELEASE NOTIC			Release Tracking Num
DEP	FORM Pursuant to 3	510 CMR 40 0335 and	IFICATION RETRACTION 310 CMR 40.0371 (Subpart C)	1 - 12281
E. PERSON REC	UIRED TO NOTIFY:			If assigned by DEP
		c Company - Cor	porate Environmental Pro	ograms
Name of Contact: R	ichard W. Gates		Title Remediation Proj	act Managar
Street: _100 Wo	odlawn Avenue	4		<u>ecc nallager</u>
City/Town: Pitt	sfield		State MA ZIP Code	01001
Telephone: 413	494-2176	Ext	FAX: (optional)	01201
F. RELATIONSH	IP OF PERSON REQUIRE		LEASE OR THREAT OF RELEASE	
RP or PRP S	pecify: Owner & Ope		Transporter Other RP or PRP;	: (check one)
Fiduciary, Secur	ed Lender or Municipality with E	Exempt Status (as defined	by M.G.L. c. 21E, s. 2)	
	c Utility on a Right of Way (as d			•
Any Person Othe	erwise Required to Notify Spe	cify Relationship		
G. CERTIFICATIO	ON OF PERSON REQUIRE			
			ns and penalties of perjury (i) that I have pe	
possible fines and imp	true, accurate and complete, an erson or entity on whose behalf the prisonment, for withfully submittin	this submittal is made am/i ng false, inaccurate, or inco	ized to make this attestation on behalf of the s aware that there are significant penalties, implete information	including, but not limited to.
By Multi (signature)	erson or entity on whose behalf t prisonment, for wilffully submittin	this submittal is made am/i ng false, inaccurate, or inco	Trile Remediation Proje	including, but not limited to
possible fines and imp By (signature)	risonment, for withully submittin	ng false, inaccurate, or inco	Trile Remediation Proje	including, but not limited to
possible fines and imp By <u>uMuu</u> (signature) For: (print name of per	risonment, for withully submittin	ng false, inaccurate, or inco	True Remediation Proje Date 4/14/98	including, but not limited to
possible fines and imp By <u>uMuu</u> (signature) For: (print name of per	risonment, for withully submittin	ng false, inaccurate, or inco	True Remediation Proje Date 4/14/98	including, but not limited to
possible fines and imp By	risonment, for withully submittin	ng false, inaccurate, or inco	Trile Remediation Proje Date 4/14/98	including, but not limited to
possible fines and imp By	risonment, for withully submittin	n E)	Title Remediation Proje Date 4/14/98 rded in Section E: 	including, but not limited to
possible fines and imp By	risonment, for withully submittin	n E) lifferent from address record	Trile Remediation Projection Date 4/14/98 rided in Section E: State ZIP Code:	including, but not limited to
bossible fines and imp By	risonment, for withully submittin	n E) inferent from address recon ExtExt	True Remediation Projection Date 4/14/98 True 4/14/98 True 21P Code: FAX: (optional) TIS FORM OR DEP MAY RETURN FORM, YOU MAY BE PENALIZED	including, but not limited to
possible fines and imp By	risonment, for withully submittin	In E) In E) Ext. ANT SECTIONS OF TH IT AN INCOMPLETE I	True Remediation Projection Date 4/14/98 True 4/14/98 True 21P Code: FAX: (optional) TIS FORM OR DEP MAY RETURN FORM, YOU MAY BE PENALIZED	including, but not limited to
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possible fines and imp By	risonment, for withully submittin	In E) In E) Ext. ANT SECTIONS OF TH IT AN INCOMPLETE I	True Remediation Projection Date 4/14/98 True 4/14/98 True 21P Code: FAX: (optional) TIS FORM OR DEP MAY RETURN FORM, YOU MAY BE PENALIZED	including, but not limited to
possible fines and imp By	risonment, for withully submittin	n E) In E) In E) Ext. ANT SECTIONS OF TH IT AN INCOMPLETE IN A REQUIRED E	True Remediation Projection Date 4/14/98 True 4/14/98 True 21P Code: FAX: (optional) TIS FORM OR DEP MAY RETURN FORM, YOU MAY BE PENALIZED	including, but not limited to
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possible fines and imp By	risonment, for withully submittin	n E) In E) In E) Ext. ANT SECTIONS OF TH IT AN INCOMPLETE IN A REQUIRED E	state in Section E: State ZIP Code: FAX: (optional) HIS FORM OR DEP MAY RETURN FORM, YOU MAY BE PENALIZED DEADLINE.	including, but not limited to
possible fines and imp By	risonment, for withully submittin	n E) In E) In E) Ext. ANT SECTIONS OF TH IT AN INCOMPLETE IN A REQUIRED E	state in Section E: State ZIP Code: FAX: (optional) HIS FORM OR DEP MAY RETURN FORM, YOU MAY BE PENALIZED DEADLINE.	including, but not limited to
possible fines and imp By	risonment, for withully submittin	n E) In E) In E) Ext. ANT SECTIONS OF TH IT AN INCOMPLETE IN A REQUIRED E	state in Section E: State ZIP Code: FAX: (optional) HIS FORM OR DEP MAY RETURN FORM, YOU MAY BE PENALIZED DEADLINE.	including, but not limited to

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Attachment B

BLASLAND, BOUCK & LEE, INC.

engineers & scientists

Agencies' Conditional Approval Letter (Dated April 30, 1998)

Commonwealth of Massachusetts Department of Environmental Protection Western Regional Office 436 Dwight Street Springfield, Massachusetts 01103 (413) 784-1100 United States Environmental Protection Agency New England Region J.F. Kennedy Federal Building Boston, Massachusetts 02203 (617) 565-3420

April 30, 1998

ATTACHMENT B

Ms. Jane Magee General Electric Company 100 Woodlawn Avenue Pittsfield, MA 01201

Re:

Pittsfield Parcel # 19-9-27, RTN 1-12289 Parcel # 19-9-28, RTN 1-12281 Tier 1A Site #1-0563 Conditional Approval of IRA Plan

Dear Ms. Magee:

The Department of Environmental Protection (the Department) and the United States Environmental Protection Agency (together, the Agencies) have received and reviewed an Immediate Response Action (IRA) Plan, dated April 24, 1998, for the parcels referenced above. The IRA Plan was prepared by Blasland, Bouck & Lee, Inc. on behalf of the General Electric Company (GE) to address elevated PCB contamination observed in surface and near surface soil samples taken from the residential parcels referenced above.

The IRA Plan proposes additional soil sampling and subsequent soil excavation to eliminate conditions that "could pose an Imminent Hazard", as stated in 310 CMR 40.0321(2)(b). On April 29, 1998, the Department verbally approved the additional sampling proposed in the IRA Plan (with the condition that one additional surface/near surface sample be collected along the midpoint of the line connecting sample locations SS-13 on Parcel 19-9-28 and SS-2 on Parcel 19-9-27). The IRA Plan states, "GE will evaluate the sampling results and provide an updated site plan and proposed removal limits (as well as the appropriate IRA transmittal form) to the MDEP for review and approval. With MDEP concurrence, GE will schedule and implement the removal actions as soon as possible."

Pursuant to 310 CMR 40.0420, the Agencies approve the IRA Plan subject to the conditions listed below.

- 1. The IRA Transmittal Form shall be submitted as soon as possible. Modifications to the exact soil removal limits, if any, will be reviewed and, if acceptable, verbally approved by the Department as sample results and plans showing revised soil removal limits are submitted.
- 2. The Pittsfield Conservation Commission has deferred to the Department relative to issuance of a Certificate of Emergency for commencement of the IRA. The Certificate of Emergency has been issued by the Department, pursuant to 310 CMR 10.06, and is attached. Excavation activities shall not commence until the Department is in receipt of the IRA Transmittal Form and the updated site plan.
- 3. GE shall manage and dispose of soils with PCB concentrations greater than 50 ppm in accordance with the Toxic Substances Control Act (TSCA). All soils shall be managed and disposed of in

This information is available in alternate format by calling our ADA Coordinator at (617) 574-6872. 436 Dwight Street • Springfield, Messachusetta 01103 • FAX(413)784-1140 • TDD (413) 745-5820 • Telephone (413) 784-1100 Printed on Recycled Paper (20% Post Consumer)

P.05

Mr. Richard W. Gater GE; 1-0563R; Conditional IRA Approval Parcel 19-9-27, RTN 1-12289 Parcel 19-9-28, RTN 1-12281 April 30, 1998 - Page 2

accordance with all federal, state and local laws and regulations, including TSCA. GE shall provide written documentation to the Agencies regarding the disposal destinations and volumes of all excavated soils.

- 4. The Agencies, and affected property owners and residents, shall be notified at least 48 hours prior to excavation equipment being mobilized onto the properties.
- 5. GE must undertake timely, reasonable, good faith efforts to secure access permission from the property owners to implement the IRA. Written documentation of efforts to secure access must be provided to the Agencies in the event that access is denied.
- 6. Any material used to backfill the proposed area of excavation shall be clean, natural material, no greater than gravel in size, to ensure proper settlement, permeability and compactability. The source of the fill material shall be specified in writing to the Agencies. If the source of the fill material has not been previously sampled by GE, fill material shall be sampled for PCBs, volatile organic compounds, metals, and semi-volatile organic compounds, and the results reported to the Agencies prior to use on-site.
- 7. GE shall provide sufficient oversight by a professional engineer or scientist to ensure that the excavation work is performed in accordance with approved plans. GE shall certify to the Agencies in writing upon completion of IRA work that the work has been done in accordance with approved plans. An as-built surveyed plan showing the actual areas and depth excavated shall be submitted within 30 days of completion of excavation work to the Agencies, the Pittsfield Conservation Commission, and the relevant property owners.
- 8. The Agencies, or their representatives, have the right to inspect the work in progress and conduct or require confirmatory sampling, in accordance with M.G.L. chapter 21E, section 8, CERCLA section 104, and M.G.L. chapter 131, section 40.

If you have any questions regarding this matter, please contact Adam Wright, Department Project Manager for these parcels, or either of the undersigned.

Sincerely,

2 ka

And & Symhuston Acting Section Chief Bureau of Waste Site Cleanup Massachusens DEP

attchmts AGS:BO:agw eastira.doc Began Olson &

Bryah Olson, Project Manager RCRA Corrective Action Section Office of Rømediation and Restoration U.S. EPA, New England Region

cc: Affected Property Owners

Mr. Richard W. Gates GE: 1-0563R: Conditional IRA Approval Parcel 19-9-27, RTN 1-12289 Parcel 19-9-28, RTN 1-12281 April 30, 1998 - Page 3

> John Novotny, GE Pittsfield Jane Magee, GE Pittsfield James R. Bicke, Esq., Shea & Gardner Andrew J. Thomas, Jr., Esq., GE Fairfield, CT Doug Luckerman, EPA New England Region OES John Kilborn, EPA New England Region OES Bryan Olson, EPA New England Region Stephanie Carr, EPA New England Region, OSRR Mary Holland, DEP WERO Alan Weinberg, DEP WERO J. Lyn Cutler, DEP WERO Meg Harvey, DEP, WERO ORS David Slowick, DEP, WERO Adam Wright, DEP WERO Robert Bell, Esq., DEP OGC Ralph Child, Esq., DEP OGC, Boston Mayor Gerald Doyle, City of Pittsfield Pittsfield Commissioner of Public Health Pittsfield Conservation Commission Housatonic River Initiative State Senator Andrea Nuciforo, Jr. State Representative Daniel E. Bosley State Representative Christopher Hodgkins State Representative Shaun Kelly State Representative Peter Larkin Public Information Repositories Site File: Pittsfield 1-0563R RTN Files: 1-12281 & 1-12289

MAY-01-1998 14:43

: 413 494 2700

** TOTAL PAGE.07 ** 97% P.07

Attachment C

BLASLAND, BOUCK & LEE, INC. engineers & scientists

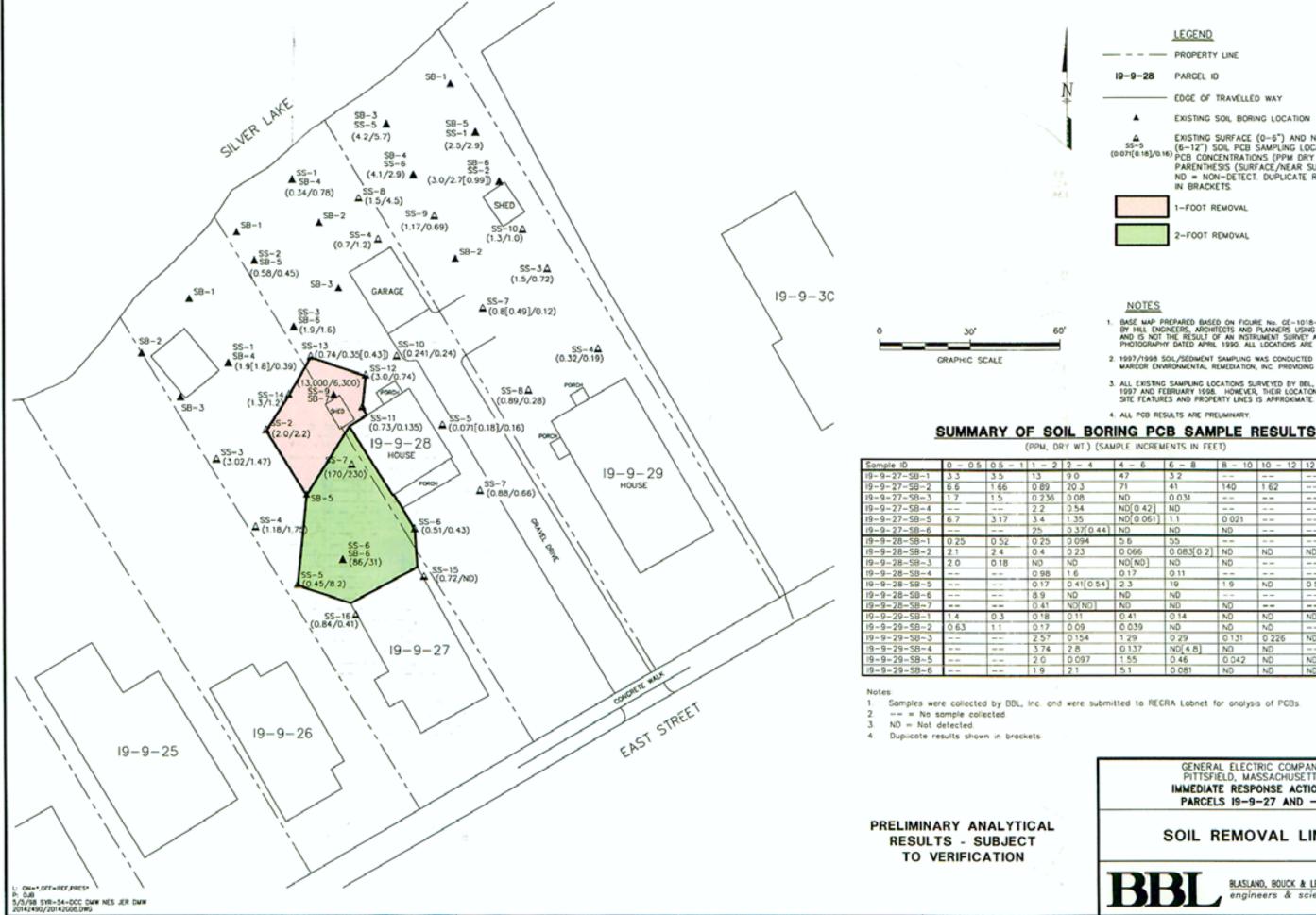
> Immediate Response Action Transmittal Form (BWSC-105)

	Ĭ		Massachusens Department or Environme Bureau of Waste Site Cleanup	ental Protection	BWSC-105			
					Release Tracking Number			
		DEP	IMMEDIATE RESPONSE ACTION (IRA) TRANSMITTAL FORM Pursuant to 310 CMR 40.0	424 - 40.0427 (Subpart D)	1 - 12281			
	A. RELEASE OR THREAT OF RELEASE LOCATION:							
- Andrews	Release Name: (optional) Parcel 19-9-28							
- and contract	Street: 727 East Street Location Aid:							
	City/	rown: <u>Pittsf</u> i	zip co	xde: 01201				
100vgv/m#841450018	Check here if a Tier Classification Submittal has been provided to DEP for this Release Tracking Number.							
	Check here if this location is Adequately Regulated, pursuant to 310 CMR 40.0110-0114.							
	Relat		CERCLA HSWA Corrective Action Solid Wastel	Management RCRA State 723 East Street; Par	Program (21C Facilities) cel 19-9-27)			
ł	в. т	HIS FORM IS B	EING USED TO: (check all that apply)					
Sector Sector Sector		Submit an IRA Pla	n (complete Sections A, B, C, D, E, H, I, J and K).					
		Check here if	this IRA Plan is an update or modification of a previously approved w	ritten IRA Plan. Date Submitted:	5/6/98			
		Submit an Immine	nt Hazard Evaluation (complete Sections A, B, C, F, H, I, J and K).	(Revised removal	plan attached;			
100		Submit an IRA Sta	itus Report (complete Sections A, B, C, E, H, I, J and K).	original IRA Pla	n dated 4/24/98)			
			to Terminate an Active Remedial System and/or Terminate a Co (complete Sections A, B, C, D, E, H, I, J and K).	ontinuing Response Action(s) T	aken to Address an			
Sec. 1.			mpletion Statement (complete Sections A, B, C, D, E, G, H, I, J and	I Ю.				
		You	must attach all supporting documentation required for each us any Legal Notices and Notices to Public Officials requ	e of form indicated, including co	opies of			
	C. F	ELEASE OR TH	REAT OF RELEASE CONDITIONS THAT WARRANT IR		- · · ·			
			ptors Affected: (check all that apply) Air Groundwat		Sediments 🔀 Soil			
		· Wetland	Storm Drain Paved Surface Private Well	Public Water Supply	one 2 X Residence			
		School	Unknown Other Specify:					
1	Ident	ify Conditions That	Require IRA, Pursuant to 310 CMR 40.0412: (check all that apply)	X 2 Hour Reporting Cond	ition(s)			
575-4		72 Hour Repo	orting Condition(s) Usbstantial Release Migration	Other Condition(s)				
		Describe:De	tection of PCBs at levels that could pos	<u>e a potential imminer</u>	nt_hazard_per_			
2000004		31	0 CMR 40.0321.					
	Ident	ify Oils and Hazard	lous Materials Released: (check all that apply) Oils	Chlorinated Solvents	Heavy Metals			
100		X Others S	pecify: Polychlorinated Biphenyls (PCBs))				
2011 2011	D. 0	ESCRIPTION	DF RESPONSE ACTIONS: (check all that apply)					
in state	\square	Assessment and/o	r Monitoring Only	Deployment of Absorbent	or Containment Materials			
r, i proso	X	Excavation of Cont	taminated Soils	Temporary Covers or Cap	5			
Novelle Second		Re-use, Recy	cling or Treatment	Bioremediation				
		🔘 On Site	Off Site Est. Vol.: cubic yards	Soil Vapor Extraction				
Numerous and		Describe:		Structure Venting System				
		Store	On Site Off Site Est. Vol.: cubic yards	Product or NAPL Recover	ý.			
Milesidet Magazine			Cover 🔿 Disposal Est. Vol.: <u>140</u> cubic yards	Groundwater Treatment S	ystems			
ensini [®]		Removal of Drums	, Tanks or Containers	Air Sparging				
2. Substantia		Describe:		Temporary Water Supplies	5			
inere all			SECTION D IS CONTINUED ON THE N	EXT PAGE.				
	Rev	sed 2/24/95	Supersedes Forms BWSC-005, 006, 010 (Do Not Alter This Form	(in part) and 011	Page 1 of 3			

Dureau or Waste Site Cleanup	to the side was a a	DVVSC-10					
		-					
DEP		Release Tracking Number					
DEP TRANSMITTAL FORM Pursuant to 310 CMR 40.0424 D. DESCRIPTION OF RESPONSE ACTIONS (continued):	- 40.0427 (Subpart D)	1 - 12281					
Removal of Other Contaminated Media							
	Temporary Evacuation or R	elocation of Residents					
Specify Type and Volume:	Fencing and Sign Posting						
X Other Response Actions Describe: Additional soil sampling and a							
Check here if this IRA involves the use of Innovative Technologies (DEP is interested in using this information to aid in creating an Innovative Technologies Clearinghouse).							
Describe Technologies:							
E. TRANSPORT OF REMEDIATION WASTE: (if Remediation Waste has been sent to	an off-site facility, answer the	following quantizeral					
Mane of FacilityOrienteal Waste Management		showing questions)					
Town and State: Model City, New York							
Quantity of Remediation Waste Transported to Date:							
F. IMMINENT HAZARD EVALUATION SUMMARY: (check one of the following)							
Based upon an evaluation, an Imminent Hazard exists in connection with this Release or Three							
Based upon an evaluation, an Imminent Hazard does not exist in connection with this Release	e or Threat of Release.						
Based upon an evaluation, it is unknown whether an imminent Hazard exists in connection wit assessment activities will be undertaken.							
Based upon an evaluation, it is unknown whether an Imminent Hazard exists in connection wit response actions will address those conditions that could pose an Imminent Hazard.	th this Release or Threat of Rel	ease. However,					
G. IRA COMPLETION STATEMENT:							
Check here if future response actions addressing this Release or Threat of Release will be confor a Site that has already been Tier Classified under a different Release Tracking Number, or described in 310 CMR 40.0600 (i. e., a Transition Site, which includes Sites with approved Wa occur according to the deadlines applicable to the earlier Release Tracking Number (i. e., Site	a Site that is identified on the 1	e Actions planned Transition List as Inse actions must					
State Release Tracking Number (i. e., Site ID Number) of Tier Classified Site or Transition Site	2						
If any Remediation Waste will be stored, treated, managed, recycled or reused at the sit Statement, you must submit either a Release Abatement Measure (RAM) Plan or a Phase appropriate transmittal form, as an attachment to the IRA Co	te following submission of the	he IRA Completion Plan, along with the					
H. LSP OPINION:							
I attest under the pains and penalties of perjury that I have personally examined and am familiar with documents accompanying this submittal. In my professional opinion and judgment based upon appli 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and (iii) the provisions of 309 CMR information and belief,	this transmittal form, including ication of (i) the standard of car R 4.03(5), to the best of my kno	any and all re in 309 CMR wledge,					
If Section B of this form indicates that an Immediate Response Action Plan is being submitted, it this submitted (1) has (have) been developed in accordance with the applicable provisions of M.G.L. c. appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals is a figure 8 of this form indicates (1) of the identified provisions of all orders, permits).	21E and 310 CMR 40,0000, (applicable provisions of M.G.I	ii) is (are) _ c. 21E and 310					
accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and the assessm mminent Hazard Evaluation complies(y) with the applicable provisions of M.G.L. c. 21E and 310 CMR	nminent Hazard Evaluation was nent activity(ies) undertaken to s R 40.0000;	support this					
If Section B of this form indicates that an Immediate Response Status Report is being submitted of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the CMR 40,0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals is	d, the response action(s) that is c. 21E and 310 CMR 40.0000, applicable provisions of M.G.L dentified in this submittal:	. (ii) is (are) c. 21E and 310					
If Section B of this form indicates that an Immediate Response Action Completion Statement of System and/or Terminate a Continuing Response Action(s) Taken to Address an Imminent Ha hat is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such re provisions of M.G.L. c. 21E and 310 CMR 40,0000 and (iii) complies(y) with the identified provisions of his submittal.	azard is being submitted, the rive with the applicable provisions	esponse action(s) of M.G.L. c. 21E					
SECTION H IS CONTINUED ON THE NEXT PAG							
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	Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup			
				Release Tracking Number
DEP	IMMEDIATE RESP	•	,	1 10001
H. LSP Opinion (JRW Pursuant to 310	CMR 40.0424 - 40.0427 (Subpart E	
	icant penalties may result, includi	ing, but not limited to, possi	ble fines and imprisonment, if I submit info	rmation which I know to be false
Check here if the DEP or EPA. If	e Response Action(s) on which th the box is checked, you MUST a	his opinion is based, if any, i Ittach a statement identifying	are (were) subject to any order(s), permit(s g the applicable provisions thereof.	i) and/or approval(s) issued by
LSP Name: _Robe	ert K. Goldman	LSP #: 4325	Stamp: Stamp: BOBERT CO CO CO CO CO CO CO CO CO CO	
Telephone: (315)) 446-9120	Ext.:	- CO ROBERT	
FAX: (optional)		7,		SEL
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Signature:	UUTA / Y	The second	- CISTERE	
Date: 05/0	5/98		- SITE PROFESS	
I. PERSON UNDE				
Name of Organization	General Electric	: Company		
Name of Contact:	Richard W. Gates		Title: Remediation Pro	ect Manager
Street: 100 W	oodlawn Avenue			
City/Town: Pitts	field	******	State: MA ZIP Code:)1201
Telephone: (413)	494-2176	Ext.:	FAX: (optional)(413)494-5	024
	ere has been a change in the pers			
N/			ERSON UNDERTAKING IRA:	(check one)
RP or PRP Sp	ecify: 🔵 Owner 🖯 Opera	ator 🗙 Generator 🔿	Transporter Other RP or PRP:	.
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Agency or Public	Utility on a Right of Way (as def	fined by M.G.L. c. 21E, s. 5	())	
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K. CERTIFICATIC	ON OF PERSON UNDERTA	KING IRA:		
familiar with the inform of those individuals im knowledge and belief, this submittal. I/the pe	nation contained in this submittal, imediately responsible for obtainir true, accurate and complete, and	, including any and all docur ng the information, the mate d (iii) that I am fully authorize his submittal is made am/is a	and penalties of perjury (i) that I have pers ments accompanying this transmittal form, erial information contained in this submittal ed to make this attestation on behalf of the aware that there are significant penalties, in plete information.	(ii) that, based on my inquiry is, to the best of my entity legally responsible for
	al Al Unto	-	Remediation Proj	
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(signature) For: (print name of per	rson or entity recorded in Section	1 l)	Date: <i>65/06/98</i>	ect Manager
(signature) For: (print name of per	rson or entity recorded in Section person providing certification, if di	1 l)	Date: <i>65/06/98</i>	ect Manager
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	LEGEND
	PROPERTY LINE
19-9-28	PARCEL ID
	EDGE OF TRAVELLED WAY
	EXISTING SOIL BORING LOCATION
▲ 55-5 (0.071[0.18]/0.16)	EXISTING SURFACE (0-6") AND NEAR-SURFACE (6-12") SOIL PCB SAMPLING LOCATION. TOTAL PCB CONCENTRATIONS (PPM DRY WT.) SHOWN IN PARENTHESIS (SURFACE/NEAR SURFACE). ND = NON-DETECT. DUPLICATE RESULTS SHOWN IN BRACKETS.
	1-FOOT REMOVAL
No.	2-FOOT REMOVAL

- BASE MAP PREPARED BASED ON FIGURE No. GE-1018-SKT-SS (10/13/97) BY HEL CNONEGRS, ARCHITECTS AND PLANNERS USING AVAILABLE DATA AND IS NOT THE RESULT OF AN INSTRUMENT SURVEY AND FROM AERIAL PHOTOGRAPHY DATED APRIL 1990. ALL LOCATIONS ARE APPROXIMATE.
- 2. 1997/1998 SOIL/SEDIMENT SAMPLING WAS CONDUCTED BY BBL, INC., WITH MARCOR ENVIRONMENTAL REMEDIATION, INC. PROVIDING DRILLING SERVICES.
- ALL EXISTING SAMPLING LOCATIONS SURVEYED BY BBL, INC. IN NOVEMBER 1997 AND FEBRUARY 1998. HOWEVER, THEIR LOCATIONS REFERENCED TO SITE FEATURES AND PROPERTY LINES IS APPROXIMATE.
- 4. ALL PCB RESULTS ARE PRELIMINARY

4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16
47	32				
71	41	140	1.62		
ND	0.031				
ND[0.4	2] ND				
ND[0.0	61] 1.1	0.021			
ND	ND	ND			
5.6	55				
0.066	0.083[0.2] ND	ND	ND	ND
ND[ND) ND	ND			
0.17	0.11				
2.3	19	1.9	ND	0.57	ND
ND	ND				
ND	ND	ND			
0.41	0.14	ND	ND	ND	ND
0.039	ND	ND	ND		
1.29	0.29	0.131	0.226	ND	ND
0.137	ND[4.8]	ND	ND		
1.55	0.46	0.042	ND	ND[ND]	ND
5.1	0.081	ND	ND	ND	

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS IMMEDIATE RESPONSE ACTION -PARCELS 19-9-27 AND -28

SOIL REMOVAL LIMITS

BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE

Attachment D

BLASLAND, BOUCK & LEE, INC. engineers & scientists

Certificate of Emergency (dated April 30, 1998)

ARGEO PAUL CELLUCCI Governor

TRUDY COXE Secretary

DAVID B. STRUHS Commissioner

P.02

CERTIFICATE OF EMERGENCY

COMMONWEALTH OF MASSACHUSETTS

WESTERN REGIONAL OFFICE

EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS DEPARTMENT OF ENVIRONMENTAL PROTECTION

LOCATION OF WORK: Street: 723 and 727 East Street City/Town: Pittsfield, MA

1. Description of Work: Environmental remediation project: advancement of 2 borings within the area proposed for remediation: removal of soils contaminated with PCBs at levels considered to be a potential imminent hazard.

2. The project is necessary for the protection of the health and safety of the citizens of the Commonwealth because: <u>PCB levels found in the soils of a residential area exceed threshold</u> <u>limits identified in the Massachusetts Contingency Plan</u>.

3. The agency (or subdivision thereof) of the Commonwealth that has ordered the project to be performed is: <u>Department of Environmental Protection (DEP)</u>, <u>Bureau of Waste Site Cleanup</u>.

4. No work shall be allowed beyond that necessary to abate the emergency. The date of work shall be completed by: <u>May 31, 1998. Not to exceed 80 days without approval of the Commissionar of the DEP</u>.

On the basis of the above information, and after a site inspection, the project described above (and in supplemental information provided) is determined to be a certified emergency pursuant to 310 CMR 10.06

ISSUING AUTHORITY; Massachusetts Department of Environmental Protection

BY:

Massachusetts Department of Environmental Protection/Western Region

Date issued: April 30, 1998

[x] If box is checked, conditions apply; see attachments A and B.

ran

eastcert.doc

This information is available in alternate format by calling our ADA Coordinator at (617) 574-6872. 436 Dwight Street - Springfield. Meesschussta 01303 - FAX(413)784-1149 - TDD (413) 766-6820 - Telephone (413) 784-1100 Printed on Resylled Paper (20% Post Consumpt)

1 413 494 2720

Regional Director

ATTACHMENT A

CONDITIONS:

- 1. The Department and the Conservation Commission shall be notified at least 48 hours in advance of construction to enable the Department and/or the Commission to inspect the site to ensure conditions are met.
- Prior to commencement of construction on the site, adequate erosion control measures shall be implemented and maintained throughout the construction phase, until the site has become stabilized with vegetative cover.
- 3. The areas of construction shall remain in a stable condition at the close of each construction day. Erosion controls shall be inspected at this time and reinforced if necessary.
- 4. No excavated soil shall be stockpiled on-site overnight.
- 5. No work shall be performed in the rain.
- 6. During and after work on this project there shall be no discharge or spillage of fuel, oil, or other pollutants on the site. GE shall take all reasonable precautions to prevent release of pollutants by ignorance, accident or vandalism
- 7. Existing grades must be maintained.

MAY 01 '96 10:50 MAY-01-1998 14:42

1 413 494 2700

14137941100 98%

Attachment E

BLASLAND, BOUCK & LEE, INC. engineers & scientists

> Ambient Air Particulate Monitoring Report and Laboratory Analytical Data

Attachment E-1

BLASLAND, BOUCK & LEE, INC. engineers & scientists

Scope of Work for Particulate Monitoring at East Street Properties

SCOPE OF WORK for Ambient Air Particulate Monitoring During Remedial Action at Off-Site Properties (I9-9-27 and I9-9-28)

,

General Electric Company Pittsfield, MA

Prepared by

Berkshire Environmental Consultants, Inc. 152 North Street, Suite 250 Pittsfield, MA 01201

May 1998

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1.0 Introduction

- 2.0 Sampling Objectives
- 3.0 Particulate Monitoring
- 4.0 Quality Assurance and Quality Control Procedures
- 5.0 Meteorological Monitoring
- 6.0 Documentation and Reporting
- 7.0 Action Level

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1.0 INTRODUCTION

On behalf of General Electric Company (GE), Berkshire Environmental Consultants, Inc. (BEC) will conduct ambient air monitoring for particulate matter during remedial action at 723 (19-9-27) and 727 (19-9-28) East Street in Pittsfield, MA. Real-time ambient air monitoring for particulate matter will be conducted during the excavation portion of remedial action.

2.0 SAMPLING OBJECTIVES

The objectives of this sampling program are as follows:

- to obtain valid and representative ambient downwind particulate concentrations during remedial activities;
- to monitor site activity; and
- to ensure that the remedial activities are not causing an unacceptable increase in ambient air concentrations of particulates.

3.0 PARTICULATE MONITORING

Real-time particulate monitoring will be conducted during the excavation portion of remedial action at Parcels 19-9-27 and 19-9-28. Sampling will be conducted at a location immediately downwind of the excavation site. The specific site will depend on where the remedial action is occurring on the site, the wind direction, the location of obstructions and proximity to receptors. The specific monitoring site will change on a frequent basis. Monitoring will be conducted daily during the hours of excavation. Approximately 10 hours a day of sampling data, from 7:00 am to 5:00 pm, are anticipated. Particulate monitoring will occur throughout the period of excavation at each property.

Particulate monitoring will be conducted using a MIE dataRAM real-time airborne particulate monitor, Model pDR-1000 or equivalent. The dataRAM uses a passive sampling technique and light scattering photometer to determine particulate concentrations. The dataRAM has a measurement range of 0.001 to 400 mg/m³. Particulate data will be logged by the instrument's datalogger and averaged and recorded for each hour and for each sampling hour day.

Calibrations and maintenance will be conducted at the frequency and in accordance with the procedures recommended by the manufacturer. All calibrations will be recorded.

4.0 QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES

Quality assurance and quality control (QA/QC) procedures for the air sampling program will follow those described in the GE site SAP/DCAQAP. Specific quality assurance and quality control for the particulate sampling will be based on manufacturer's recommendations.

5.0 METEOROLOGICAL MONITORING

Meteorological data from the Climatronics Electronic Weather Station (EWS) operated at the GE facility in Pittsfield, Massachusetts will be used. The EWS has been operating continuously since 1991 at the GE facility in East Street Area 2 providing data to support other GE activities under the MCP. The EWS measures and continuously records wind speed, wind direction, precipitation, temperature, relative humidity and integrated solar radiation. The siting of the meteorological station was established with the approval of DEP. The station was installed and continues to operate in accordance with EPA <u>On-site Meteorological Program Guidance for Regulatory Modeling</u> <u>Applications</u> and a Site Specific Meteorological Monitoring Quality Assurance Project Plan. The operation of the EWS has been successfully audited by the Massachusetts Department of Environmental Protection (DEP).

Barometric pressure will be measured and recorded manually on each sampling day. In addition, a portable relativity humidity indicator will be used for field verification of humidity conditions.

6.0 DOCUMENTATION AND REPORTING

Particulate data will be summarized daily. Data which exceeds the notification levels described below will be reported to the GE site manager and to DEP and EPA (Agencies) within 24 hours of collection. Daily particulate and meteorological data will be summarized weekly and provided in a written summary report to the GE site manager on Monday for the previous week. All field data recorded during ambient monitoring will be documented according to the procedures in the SAP/DCAQAP. A written report summarizing the results will be provided to GE and the Agencies within 4 weeks of the conclusion of sampling and will include the following:

Date and Time of Sampling Sampling Locations Calibration and Maintenance Activities Pollutants Monitored Sampling Frequency

Ambient Air Particulate Monitoring Off-Site Properties Scope of Work May 1998 Page 3 of 3

Data Results Quality Assurance Assessment Meteorological Data Summary Discussion of Problems or Disruptions Signature of Individual Responsible For Monitoring Program

7.0 ACTION LEVEL

The notification level for particulates in ambient air for off-site remedial actions will be established at a concentration of $70 \ \mu g/m^3$ (10-hour average or the daily duration of sampling). This is the same level accepted by EPA for the Building 68 Removal Action and by the DEP for off-site remediation at the Longfellow Avenue "core" property (Parcel J9-15-2) in Pittsfield. While this level is not based on site-specific data for the properties, it is deemed health protective as it is less than one-half the 24-hour National Ambient Air Quality Standard (NAAQS) for particulate matter of 150 $\mu g/m^3$. Any 10-hour level of particulate matter that exceeds $70 \ \mu g/m^3$ will be reported the next day to the GE site manager and to the Agencies.

The dataRAM has an inherent sensitivity to moisture and readings taken under very high humidity conditions are unreliable. GE may, at times, use the professional engineering judgement of its environmental consultants to determine the reliability and usability of data collected during very high humidity conditions. Data summaries will exclude the time period when moisture is clearly a factor. The raw data file will be marked and maintained to indicate what data is included in the average and reasons for excluding specific data.

In addition, BEC's experience in this geographical area has indicated that overall background levels above 70 μ g/m³ occur during the heating season (late fall through early spring). If the tested levels exceed 70 μ g/m³ during such periods, BEC will determine general background concentrations as follows:

- 1) Log 30-60 minutes of particulate data at an appropriate upwind monitoring site; and
- 2) Log 30-60 minutes at another unimpacted representative background site (e.g. a nearby park).

The difference between the remediation site and background sites will be reported.

Attachment E-2

BLASLAND, BOUCK & LEE, INC. engineers & scientists

Ambient Air Monitoring Results for Particulate Matter at East Street Properties

AMBIENT AIR MONITORING FOR PARTICULATE MATTER EAST STREET REMEDIATION SITES (DEP SITE #1-0563)

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

Berkshire Environmental Consultants, Inc.

152 North Street • Suite 250 • Pittsfield, MA 01201 • (413) 443-0130 • Fax (413) 443-1297

AMBIENT AIR MONITORING FOR PARTICULATE MATTER EAST STREET REMEDIATION SITES (DEP SITE #1-0563)

<u>)</u>

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

Prepared by

Berkshire Environmental Consultants, Inc. 152 North Street, Suite 250 Pittsfield, Massachusetts

September 1998

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Project Summary

- 1.0 Introduction
- 2.0 Particulate Monitoring
 - 2.1 Monitor Location
 - 2.2 Monitoring Procedures
 - 2.3 Analytical Procedures
 - 2.4 Analytical Results
- 3.0 Particulate Quality Assurance
 3.1 Project Quality Assessment and Quality Control

FIGURES

1

2 East Street Site Map

TABLES

S-1 Particulate Ambient Air Concentrations1 Particulate Ambient Air Concentrations

APPENDICES

- I Scope of Work
- II Particulate Notification Memos

PROJECT SUMMARY

Berkshire Environmental Consultants, Inc. (BEC) completed in May 1998 an ambient air sampling program for General Electric Company (GE). This program consisted of monitoring two properties (Parcels I9-9-27 and I9-9-28) (DEP Site #1-0563) for particulate matter on East Street in Pittsfield, Massachusetts. The monitoring was conducted during remedial activities at the two properties.

The particulate monitoring program was conducted using a real-time particulate monitor. Monitoring was conducted daily for approximately ten hours per day. The ambient air monitoring program was conducted in accordance with BEC's <u>Scope of Work</u> for Ambient Air Particulate Monitoring During Remedial Action at Off-Site Properties, dated May 1998.

The particulate monitoring results show an average concentration of 0.020 mg/m^3 . Table S-1, following, summarizes the results of the particulate monitoring.

TABLE S-1

PARTICULATE AMBIENT AIR CONCENTRATIONS EAST STREET REMEDIATION SITE PITTSFIELD, MASSACHUSETTS

Date	Average Concentration (mg/m ³)	Average Period (Hours:Min)	Predominant Wind Direction
5/14/98	0.018	9:19	WNW, W, WSW
5/15/98	0.022	9:27	N, NNW
Memo Notification Level	0.070		

1.0 INTRODUCTION

Berkshire Environmental Consultants, Inc. (BEC) was retained by General Electric Company (GE) to conduct ambient air sampling for particulate matter at two properties located on East Street (DEP Site #1-0563) in Pittsfield, Massachusetts. The sampling described in this report was completed in May 1998.

This ambient air sampling program was part of remediation activities at the two properties. The purpose of the sampling program was to obtain valid and representative data on ambient levels of particulate matter during remedial activities to ensure that the remediation was not causing an increase in ambient concentrations of particulates. The monitoring project was conducted in accordance with criteria set forth in the <u>Scope of Work for Ambient Air Particulate Monitoring During Remedial Action at Off-Site Properties</u>, Berkshire Environmental Consultants, Inc., May 1998, (Appendix I).

This report provides results from the sampling conducted on May 14 and May 15, 1998. All field work and recordkeeping were completed by BEC, Pittsfield, Massachusetts.

This final report for the ambient air sampling presents a summary of all monitoring activities, analytical results, and quality assurance/quality control measures.

Ambient Air Monitoring Particulate Matter General Electric Company Off-Site Properties Page 2 of 5

2.0 PARTICULATE MONITORING

2.1 Monitor Location

The MIE dataRAM real-time particulate monitor was placed next to the northwest corner of the house on Parcel 19-9-27 on East Street. The monitor was placed approximately 5-6 feet above ground level. The particulate monitor site is identified in Figure 2.

2.2 Monitoring Procedures

Monitoring for particulate matter was done on each day remediation activities were being conducted. Monitoring was conducted from approximately 7:00 A.M. to 5:00 P.M. for the duration of the project.

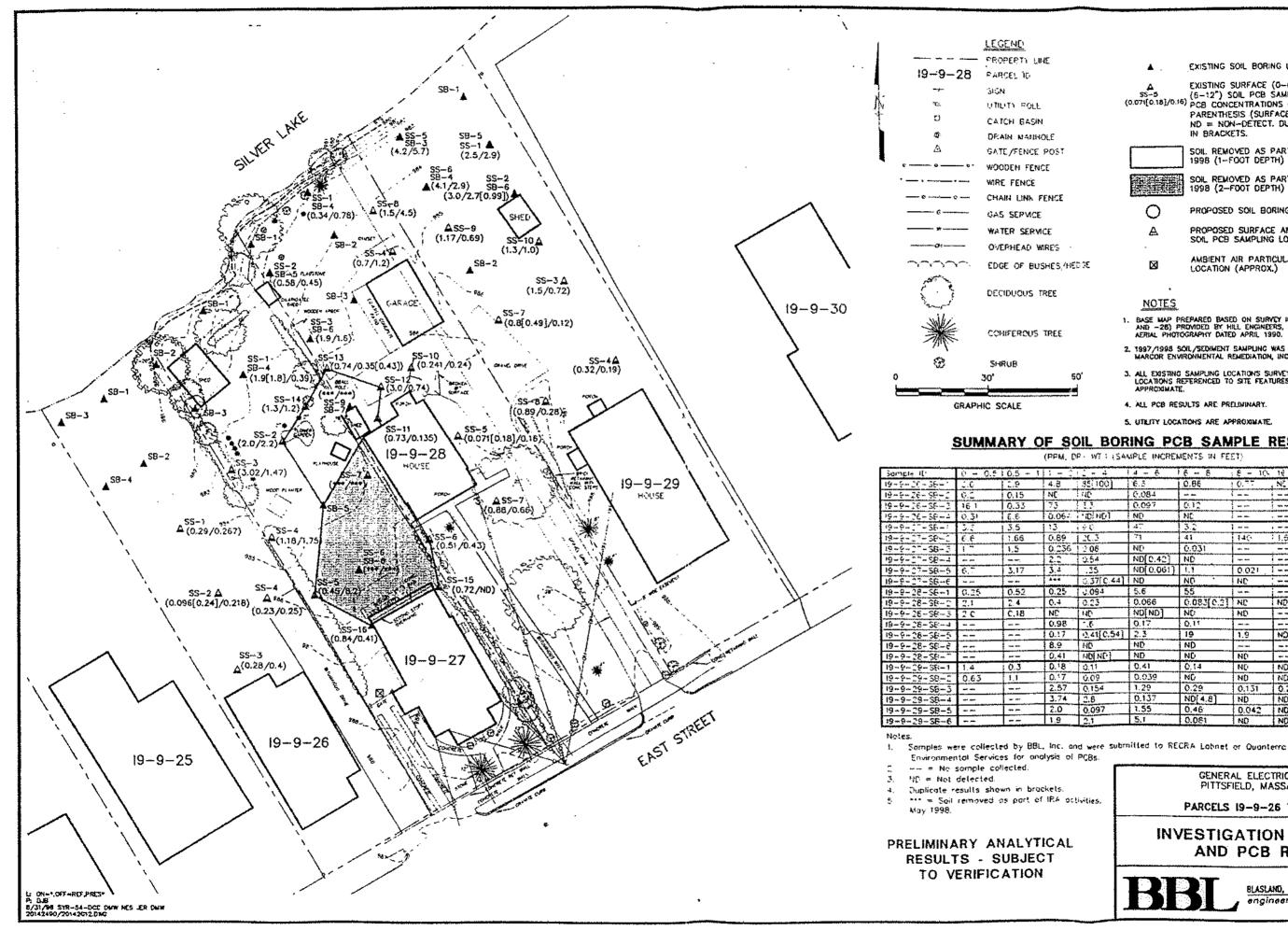
2.3 Analytical Procedures

A MIE dataRAM real-time particulate monitor was used. The dataRAM uses a passive sampling technique and light scattering photometer to determine particle concentrations. The dataRAM has a measurement range of 0.001 to 400 mg/m³. Data were logged by the instrument's datalogger and averaged and recorded for each 10 hour day. For this project, BEC was required to send GE a written notification if the average daily particulate concentration exceeded 0.07 mg/m³.

2.4 Analytical Results

The average daily particulate concentration was 0.020 mg/m^3 for the two days monitored. Table 1, following, shows the average particulate concentration, average monitoring period and the predominant wind direction.

At no time did the average daily particulate concentration exceed the written notification level or the National Ambient Air Quality Standard (NAAQS) for particulate matter of 0.150 mg/m^3 . Copies of all correspondence between BEC and GE are included in Appendix II.



EXISTING SOIL BORING LOCATION



۸

EXISTING SURFACE (0-6") AND NEAR-SURFACE (6-12") SOIL PCB SAMPLING LOCATION. TOTAL (0.071[0.18]/0.16) PCB CONCENTRATIONS (PPM DRY WT.) SHOWN IN

PARENTHESIS (SURFACE/NEAR SURFACE). ND = NON-DETECT. DUPUCATE RESULTS SHOWN IN BRACKETS.

SOIL REMOVED AS PART OF IRA ACTIVITIES MAY 1998 (1-FOOT DEPTH) SOIL REMOVED AS PART OF IRA ACTIVITIES MAY **-**1998 (2-FOOT DEPTH) О PROPOSED SOIL BORING LOCATION PROPOSED SURFACE AND NEAR-SURFACE A SOIL PCB SAMPLING LOCATION AMBIENT AIR PARTICULATE MONITORING X LOCATION (APPROX.)

NOTES

- BASE WAP PREPARED BASED ON SURVEY INFORMATION (PARCELS 18-9-27) AND -28) PROMOED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS AND AERIAL PHOTOGRAPHY DATED APRIL 1990.
- 2. 1997/1998 SCIL/SEDIMENT SAMPLING WAS CONDUCTED BY BBL, INC., WITH MARCOR ENVIRONMENTAL REMEDIATION, INC. PROVIDING DRILLING SERVICES.
- 3. ALL EXISTING SAMPLING LOCATIONS SURVEYED BY BBL, INC. HOWEVER THEIR LOCATIONS REFERENCED TO SITE FEATURES AND PROPERTY LINES IS APPROXIMATE.
- 4. ALL PCB RESULTS ARE PRELIMINARY.

5. UTERTY LOCATIONS ARE APPROXIMATE.

SUMMARY OF SOIL BORING PCB SAMPLE RESULTS

(PPM, DP - WT + (SAMPLE INCREMENTS IN FEET)

j	4 - E		8 - 10.	10 - 😳 .	12 - 14	14 - 16
	6 .3	0.66	0.77	N.	**	
	0.084		1	i	**	
	0.097	0.12	1			
1	NÐ	NC .		!		N- 44
	47	3.2 1				·
	71	41	140	1,62		····
ļ	ND	0.031	+ ••			**
	ND[0.42]	ND	њ ш			
	ND[0.061]	1.1	0.021			
4]	ND	NC .	NC			
	5.6	55				
	0.066	0.083[0.2]	NC	ND	NO	ND
	ND[ND]	NC:	ND			**
	0.17	0.11				
4]	2.3	19	1.9	N)	0.57	ND
	ND	ND				
	ND	ND	ND	** **		**
	0.41	0.14	NE	ND	NŬ	ND
	0.039	ND	ND	ND		
	1.29	0.29	0.131	0.226	NÔ	ND
	0.137	ND[4.8]	ND	ND		
	1.55	0.46	0.042	ND	ND[ND]	ND
	5.1	0.061	ND	ND	ND	

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS

PARCELS 19-9-26 THROUGH -29

INVESTIGATION LOCATIONS AND PCB RESULTS

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

FIGURE

2

Ambient Air Monitoring Particulate Matter General Electric Company Off-Site Properties Page 4 of 5

TABLE 1

PARTICULATE AMBIENT AIR CONCENTRATIONS EAST STREET REMEDIATION SITE PITTSFIELD, MASSACHUSETTS

3

Date	Average Concentration (mg/m ³)	Average Period (Hours:Min)	Predominant Wind Direction
5/14/98	0.018	9:19	WNW, W, WSW
5/15/98	0.022	9:27	N, NNW
Memo Notification Level	0.070		

3.0 PARTICULATE QUALITY ASSURANCE ASSESSMENT

3.1 Project Quality Assurance/Quality Control (QA/QC)

The objective of the quality assurance program was to ensure that the data collected on ambient levels of particulate are adequate to meet the purpose of the monitoring program and the intended uses of the data. Standard QA/QC procedures outlined in the Scope of Work were followed during sampling.

The following objectives were used as guidelines to assuring quality in the design and implementation of the monitoring program.

- All MIE dataRAM particulate monitors are zeroed weekly and before starting a new project.
 - Because the particulate monitors have an inherent sensitivity to humid conditions, the monitors are carefully monitored during humid or rainy weather. In accordance with the Scope of Work for this project, BEC used its professional engineering judgement to determine the reliability of data collected during very high humidity conditions. Any such judgements are noted appropriately on the data summary table.

All monitoring problems are immediately brought to the attention of the GE Project Manager.

APPENDIX I

SCOPE OF WORK

SCOPE OF WORK for Ambient Air Particulate Monitoring During Remedial Action at Off-Site Properties (I9-9-27 and I9-9-28)

T C AF

General Electric Company Pittsfield, MA

Prepared by

Berkshire Environmental Consultants, Inc. 152 North Street, Suite 250 Pittsfield, MA 01201

May 1998

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1.0 Introduction

1.1.1

1

- 2.0 Sampling Objectives
- 3.0 Particulate Monitoring
- 4.0 Quality Assurance and Quality Control Procedures
- 5.0 Meteorological Monitoring
- 6.0 Documentation and Reporting
- 7.0 Action Level

1.0 INTRODUCTION

On behalf of General Electric Company (GE), Berkshire Environmental Consultants, Inc. (BEC) will conduct ambient air monitoring for particulate matter during remedial action at 723 (19-9-27) and 727 (19-9-28) East Street in Pittsfield, MA. Real-time ambient air monitoring for particulate matter will be conducted during the excavation portion of remedial action.

2.0 SAMPLING OBJECTIVES

The objectives of this sampling program are as follows:

- to obtain valid and representative ambient downwind particulate concentrations during remedial activities;
- to monitor site activity; and
- to ensure that the remedial activities are not causing an unacceptable increase in ambient air concentrations of particulates.

3.0 PARTICULATE MONITORING

Real-time particulate monitoring will be conducted during the excavation portion of remedial action at Parcels I9-9-27 and I9-9-28. Sampling will be conducted at a location immediately downwind of the excavation site. The specific site will depend on where the remedial action is occurring on the site, the wind direction, the location of obstructions and proximity to receptors. The specific monitoring site will change on a frequent basis. Monitoring will be conducted daily during the hours of excavation. Approximately 10 hours a day of sampling data, from 7:00 am to 5:00 pm, are anticipated. Particulate monitoring will occur throughout the period of excavation at each property.

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Calibrations and maintenance will be conducted at the frequency and in accordance with the procedures recommended by the manufacturer. All calibrations will be recorded.

4.0 QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES

Quality assurance and quality control (QA/QC) procedures for the air sampling program will follow those described in the GE site SAP/DCAQAP. Specific quality assurance and quality control for the particulate sampling will be based on manufacturer's recommendations.

5.0 METEOROLOGICAL MONITORING

Meteorological data from the Climatronics Electronic Weather Station (EWS) operated at the GE facility in Pittsfield, Massachusetts will be used. The EWS has been operating continuously since 1991 at the GE facility in East Street Area 2 providing data to support other GE activities under the MCP. The EWS measures and continuously records wind speed, wind direction, precipitation, temperature, relative humidity and integrated solar radiation. The siting of the meteorological station was established with the approval of DEP. The station was installed and continues to operate in accordance with EPA <u>On-site Meteorological Program Guidance for Regulatory Modeling</u> <u>Applications</u> and a Site Specific Meteorological Monitoring Quality Assurance Project Plan. The operation of the EWS has been successfully audited by the Massachusetts Department of Environmental Protection (DEP).

Barometric pressure will be measured and recorded manually on each sampling day. In addition, a portable relativity humidity indicator will be used for field verification of humidity conditions.

6.0 DOCUMENTATION AND REPORTING

Particulate data will be summarized daily. Data which exceeds the notification levels described below will be reported to the GE site manager and to DEP and EPA (Agencies) within 24 hours of collection. Daily particulate and meteorological data will be summarized weekly and provided in a written summary report to the GE site manager on Monday for the previous week. All field data recorded during ambient monitoring will be documented according to the procedures in the SAP/DCAQAP. A written report summarizing the results will be provided to GE and the Agencies within 4 weeks of the conclusion of sampling and will include the following:

Date and Time of Sampling Sampling Locations Calibration and Maintenance Activities Pollutants Monitored Sampling Frequency

Ambient Air Particulate Monitoring Off-Site Properties Scope of Work May 1998 Page 3 of 3

Data Results Quality Assurance Assessment Meteorological Data Summary Discussion of Problems or Disruptions Signature of Individual Responsible For Monitoring Program

7.0 ACTION LEVEL

The notification level for particulates in ambient air for off-site remedial actions will be established at a concentration of 70 μ g/m³ (10-hour average or the daily duration of sampling). This is the same level accepted by EPA for the Building 68 Removal Action and by the DEP for off-site remediation at the Longfellow Avenue "core" property (Parcel J9-15-2) in Pittsfield. While this level is not based on site-specific data for the properties, it is deemed health protective as it is less than one-half the 24-hour National Ambient Air Quality Standard (NAAQS) for particulate matter of 150 μ g/m³. Any 10-hour level of particulate matter that exceeds 70 μ g/m³ will be reported the next day to the GE site manager and to the Agencies.

The dataRAM has an inherent sensitivity to moisture and readings taken under very high humidity conditions are unreliable. GE may, at times, use the professional engineering judgement of its environmental consultants to determine the reliability and usability of data collected during very high humidity conditions. Data summaries will exclude the time period when moisture is clearly a factor. The raw data file will be marked and maintained to indicate what data is included in the average and reasons for excluding specific data.

In addition, BEC's experience in this geographical area has indicated that overall background levels above 70 μ g/m³ occur during the heating season (late fall through early spring). If the tested levels exceed 70 μ g/m³ during such periods, BEC will determine general background concentrations as follows:

- 1) Log 30-60 minutes of particulate data at an appropriate upwind monitoring site; and
- 2) Log 30-60 minutes at another unimpacted representative background site (e.g. a nearby park).

The difference between the remediation site and background sites will be reported.

APPENDIX II

11

PARTICULATE NOTIFICATION MEMOS

Berkshire Environmental Consultants, Inc.

152 North Street • Suite 250 • Pittsfield, MA 01201 • (413) 443-0130 • Fax (413) 443-1297 Memorandum

To:John NovotnyFrom:Maura Hawkins, Sean McGuiganDate:May 18, 1998

_____,

Subject: Ambient Air Sampling

John:

The following is a list of activities performed by Berkshire Environmental Consultants, Inc. (BEC) for the General Electric Company for the week of May 10-16.

Bromback Remediation Site:

5/11/98: Performed particulate monitoring (results following).

- 5/12/98: Began three 24-hour PCB high-volume sampling events. Performed particulate monitoring (results following).
- 5/13/98: Collected the PCB high-volume samples. Analysis of the samples is not yet complete. Began three additional 24-hour PCB high-volume sampling events. Performed particulate monitoring (results following).
- 5/14/98: Collected the PCB high-volume samples. A blown fuse at the electricity source (the house) shut down one of the samplers after about eight hours. That sample was not analyzed and the analysis of the other two samples is not yet complete. Performed particulate monitoring (results following).

5/15/98: Performed particulate monitoring (results following).

East Street Remediation:

5/14/98: Performed particulate monitoring (results following).

5/15/98: Performed particulate monitoring (results following).

Attachment F

BLASLAND, BOUCK & LEE, INC. engineers & scientists

Laboratory Analytical Data for Backfill Sources

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

Transmitted Via FedEx

November 14, 1997

Ms. J. Lyn Cutler Section Chief, Special Projects Bureau of Waste Site Cleanup Department of Environmental Protection 436 Dwight Street Springfield, MA 01103

Bryan Olson Acting Section Chief Office of Remediation and Restoration U.S. Environmental Protection Agency J.F. Kennedy Federal Bldg. HRR-CAN3 Boston, MA 02203-2211

Operen.

Re: Off-Site Residential Properties - Backfill Sampling Results

Dear Ms. Cutler and Mr. Olson:

In accordance with my letter to you on October 27, 1997, the General Electric Company (GE) has collected soil samples from backfill materials being used for the restoration activities currently underway at select residential properties. Six soil samples were collected from five soil stockpile sources for confirmatory analyses, as follows:

<u>Sample ID</u>	Stockpile Area
TAM-RP-1	Tamarack Rd., Pittsfield, MA
TAM-RP-2	Tamarack Rd., Pittsfield, MA
PSG-RP-1	Pittsfield Sand & Gravel, Pittsfield, MA
HGP-RP-1	Hinsdale Gravel Pit, Hinsdale, MA
BR-RP-1	Bas Ridge Golf Course, Hinsdale, MA
BGP-RP-1	Bushika Gravel Pit, Cheshire, MA

These samples were submitted for analysis of constituents listed in Appendix IX of 40 CFR Part 264 plus benzidine, 2-chloroethylvinyl ether, and 1,2-diphenylhydrazine, but excluding dioxins, furans, pesticides, and herbicides (hereafter referred to as Appendix IX+3). The preliminary analytical results for these samples are enclosed (note that on the laboratory reports, sample D-RP-1 is a rinse blank). These results show that no PCBs were detected in any of the samples, and that no other Appendix IX+3 constituents were detected at concentrations that exceed reportable concentrations discussed in 310 CMR 40.0360 and listed in 310 CMR 40.1600 of the Massachusetts Contingency Plan.

Please do not hesitate to contact us with any questions.

Yours truly,

Richard Gates/MHD

Richard Gates

MJD/plh UMPLH9766871543.WPD Enclosures



cc: Mary Holland, DEP
Alan Weinberg, DEP*
Robert Bell, Esq., DEP*
Adam Wright, DEP*
David Slowick, DEP*
David Slowick, DEP*
Ralph Child, Esq., DEP*
Douglas Luckerman, Esq., EPA
Mayor Edward Reilly
Pittsfield Commissioner of Public Health
State Senator Andrea Nuciforo
State Rep. Daniel Bosley
State Rep. Christopher Hodgkins
State Rep. Shaun Kelly

State Rep. Peter Larkin Pittsfield Conservation Commission* Affected Property Owner(s)* Andrew Silfer, P.E., GE* Stephen Moore, GE Jane Magee, GE Andrew Thomas, Esq., GE* Jane Gardner, Esq., GE James Bieke, Esq., Shea & Gardner* Robert Goldman, P.E., Blasland, Bouck & Lee* John Novotny, P.E., Blasland, Bouck & Lee* Public Information Repositories* (* with enclosures)

ANALYTICAL REPORT SUMMARY

Reported: 11/06/97 Dry Weight Reported Units > UG/G

Heral Electric Company INTENTIAL PROPERTY-GRAVEL PIT BACKFILL SAMPLING

SION #: 9710000364

MUMBER E ID: SAMPLED: RECEIVED:		PQL	175366 HGP-RP-1 10/29/97 10/30/97	175367 BR-RP-1 10/29/97 10/30/97	175368 8GP-RP-1 10/29/97 10/30/97	175369 TAM-RP-2 10/29/97 10/30/97
MONY IC M LLIUM UM	MG/KG MG/KG MG/KG MG/KG MG/KG	6.00 1.00 2.00 0.500 0.500 1.00	6.54 U 2.96 39.8 0.545 U 0.545 U 8.12 5.51	6.38 U 6.66 74.7 0.531 U 0.531 U 8.01 14.3	6.51 U 2.70 11.5 0.542 U 0.542 U 2.98 5.55	7.08 U 7.56 44.2 0.590 U 0.590 U 9.25 11.4
LT FR JRY	MG/KG MG/KG MG/KG MG/KG MG/KG	5.00 2.00 5.00 0.150 4.00	6.61 9.58 5.45 U 0.163 U 9.97	17.2 8.92 0.159 U 17.9	6.96 5.42 U 0.163 U 7.18	14.2 15.1 0.177 U 16.6
KEL KIUM R LLIUM	MG/KG MG/KG MG/KG MG/KG	0.500 1.00 1.00 1.00	0.545 U 1.09 U 1.60 10.9 U	0.531 U 1.06 U 1.06 U 10.6 U 9.17	0.542 U 1.08 U 1.59 10.B U 5.42 U	0.590 U 1.18 U 1.18 U 11.8 U 10.9
DIUM L CYANIDE ENT SOLIDS L SULFIDE	MG/KG MG/KG MG/KG MG/KG	5.00 1.00 1.00 20.0	8.50 25.2 1.09 U 91.3 21.8 U	9.17 48.6 1.06 U 94.1 21.3 U	21.7 1.08 U 92.2 21.7 U	67.7 1.18 U 84.8 23.6 U

ANALYTICAL REPORT SUMMARY

Reported: 11/06/97 Dry Weight Reported Units = UG/G

noral Electric Company

S ENTIAL PROPERTY-GRAVEL PIT BACKFILL SAMPLING

Brission #: 9710000364

			and the second	
E NUMBER E ID: SAMPLED: RECEIVED:	PQL	175370 TAM-RP-1 10/29/97 10/30/97	175371 PSG-RP-1 10/29/97 10/30/97	175372 D-RP-1 10/29/97 10/30/97
NIC MG/KG NIC MG/KG UM MG/KG LLIUM MG/KG IUM MG/KG IUM MG/KG IUM MG/KG ER MG/KG CURY MG/KG CEL MG/KG KG KG KG KG KG KG KG KG KG	6.00 1.00 2.00 0.500 1.00 5.00 2.00 5.00 0.150 4.00 0.500 1.00 1.00 1.00 1.00 1.00 1.00 20.0	7.15 U 7.93 38.7 0.596 U 8.68 10.8 12.6 16.3 0.179 U 16.2 0.596 U 1.19 U 1.19 U 11.9 U 9.98 60.2 1.19 U 83.9 23.8 U	6.40 U 4.12 72.9 0.533 U 8.65 12.3 17.9 9.05 0.160 U 28.9 0.533 U 1.07 U 1.07 U 1.07 U 1.07 U 7.71 37.0 1.07 U 93.8 21.3 U	6.51 U 3.49 11.9 0.542 U 0.542 U 3.48 5.42 U 7.43 5.42 U 0.163 U 7.38 0.542 U 1.08 U 1.08 U 10.8 U 10.8 U 22.6 1.08 U 92.2 21.7 U

COLUMBIA ANALYTICAL SERVICES

1

Reported: 11/06/97

General Electric Company Project Reference:RESIDENTIAL PROPERTY-GRAVEL PIT BACKFILL SAMPLING Client Sample ID :RB-RP-1

Date Sampled : 10/29/97 Date Received: 10/30/97	Order #: 175373 Submission #:9710000364		Sample Matrix: WATER		
ANALYTE	PQL	RESULT	UNITS	DATE ANALYZED	ANALYTICAL DILUTION
ETALS	0.0600	0.0600 U	MG/L	11/05/97	1.0
ANTIMONY	0.0100	0.0100 0	MG/L	11/05/97	1.0
ARSENIC	0.0200	0.0200 U	MG/L	11/05/97	1.0
BARIUM	0.00500	0.00500 U	MG/L	11/05/97	1.0
PERYLLIUM		0.00500 U	MG/L	11/05/97	1.0
CADMIUM	0.00500	0.0100 U	MG/L	11/05/97	1.0
CHROMIUM	0.0100	0.0500 U	MG/L	11/05/97	1.0
COBALT	0.0500	0.0200 0	MG/L	11/05/97	1.0
COPPER	0.0200	0.0200 U	MG/L	11/05/97	1.0
LEAD	0.00500	0.000300 σ	MG/L	11/03/97	1.0
MERCURY	0.000300	0.0400 U	MG/L	11/05/97	1.0
NICKEL	0.0400		MG/L	11/05/97	1.0
SELENIUM	0.00500	0.00500 U	MG/L	11/05/97	1.0
SILVER	0.0100	0.0100 U	MG/L	11/05/97	1.0
THALLIUM	0.0100	0.0100 U	MG/L	11/05/97	10.0
TIN	0.0100	0.100 U		11/05/97	1.0
VANADIUM	0.0500	0.0500 0	MG/L	11/05/97	1.0
ZINC	0.0100	0.0100 U	MG/L		

INORGANIC-1

COLUMBIA ANALYTICAL SERVICES

General Electric Company Project Reference: RESIDENTIAL PROPERTY-GRAVEL FIT BACKFILL SAMPLING Client Sample ID : RB-RP-1A

ate Sampled : 10/30/97 Date Received: 10/31/97		Order #: 175530 Submission #:9710000364		Sample Matrix: WATER		
ANALYTE	PQL	RESULT	UNITS	DATE ANALYZED	ANALYTICAL DILUTION	
NET CHEMISTRY TOTAL CYANIDE TOTAL SULFIDE	0.0100	0.0100 U 1.00 U	MG/L MG/L	11/06/97 11/06/97	1.0 1.0	

ANALYTICAL REPORT SUMMARY METHOD 8260 APPENDIX IX DRY WEIGHT REPORTED UNITS: UG/KG

General Electric Company			
RESIDENTIAL PROPERTY-GRAVEL	PIT	BACKFILL	SAMPLING
SUBMISSION #: 9710000364			

ORDER NUMDER AMPLE ID: JATE SAMPLED: DATE RECEIVED:	PQL	175366 HGP-RP-1 10/29/1997 10/30/1997	175367 BR-RP-1 10/29/1997 10/30/1997	175368 86P-RP-1 10/29/1997 10/30/1997	175369 TAM-RP-2 10/29/1997 10/30/1997
DATE ANALYZED:		11/ 8/97	11/ 8/97	11/ 8/97	11/ 9/97
DILUTION:		1.0	1.0	1.0	1.0
PERCENT SOLID (%):		91.8	94.1	92.2	84.8
ACETONE	20	22 U	21 V	22 U	24 U
ACETONITRILE	100	110 U	110 U	110 U	120 U
ACROLEIN	100	110 U	110 U	110 U	120 U
ACRYLONITRILE	100	110 U	110 U	110 U	120 U
ALLYL CHLORIDE	5_0	5.4 U	5.3 U	5.4 U	5.9 U
	5.0	5.4 U	5.3 U	5.4 U	5.9 U
BENZENE BROMODICHLOROMETHANE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
	5.0	5.4 U	5.3 U	5.4 U	5.9 U
BROMOFORM	5.0	5.4 U	5.3 U	5.4 U	5.9 U
BROMOMETHANE 2-CHLORO-1, 3-BUTADIENE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
	10	11 U	11 U	11 U	12 U
2-BUTANONE (MEK)	5.0	5.4 U	5.3 U	5.4 U	5.9 U
TRANS-1, 4-DICHLORO-2-BUTENE	10	11 U	11 U	11 U	12 U
CARBON DISULFIDE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
CARBON TETRACHLORIDE	5.0	5.4 U	5.3 U	5_4 U	5.9 U
CHLOROBENZENE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
CHLOROETHANE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
2-CHLOROETHYLVINYL ETHER	5.0	5.4 U	5.3 U	5.4 U	5.9 U
CHLOROFORM	5.0	5.4 U	5.3 U	5.4 U	5.9 U
CHLOROMETHANE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
1,2-0 IBROMO-3-CHLOROPROPANE	5_0	5.4 U	5.3 U	5.4 U	5.9 U
DIBRONOCHLOROMETHANE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
1,2-DIBRONOETHANE	5_0	5.4 U	5.3 U	5.4 U	5.9 U
DIBROMOMETHANE	5.0	5_4 U	5.3 U	5.4 U	5.9 U
DICHLORODIFLUOROMETHANE	5.0	5_4 U	5.3 U	5.4 U	5.9 U
1,1-DICHLOROETHANE	5.0	5_4 U	5.3 U	5.4 U	5.9 U
1,2-DICHLOROETHANE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
1.1-DICHLOROETHENE		5.4 U	5.3 U	5.4 U	5.9 U
TRANS-1,2-DICHLOROETHENE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
DICHLOROMETHANE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
1,2-DICHLOROPROPANE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
CIS-1,3-DICHLOROPROPENE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
TRANS-1,3-0ICHLOROPROPENE	5.0	1100 U	1100 U	1100 U	1200 U
1,4-DIOXANE	1000	1100 U 11 U	11 U	11 U	12 U
ETHYL METHACRYLATE	10	5.4 U	5.3 U	5.4 U	5.9 U
ETHYLBENZENE	5.0	11 U	11 U	11 U	12 U
2-HEXANONE	10	11 U	11 U	11 U	12 U
IDDOMETHANE	10	220 U	210 U	220 U	240 U
ISOBUTYL ALCOHOL	200		110 U	110 U	120 U
METHACRYLONITRILE	100	110 U	110 U	11 U	12 U
METHYL METHACRYLATE	10	11 U	11 U	11 U	12 U
4-METHYL-2-PENTANONE (MIBK)	10	11 U		110 U	120 U
PROPIONITRILE	100	110 U	110 U	5.4 U	5.9 U
STYRENE	5.0	5.4 U	5.3 U		

ANALYTICAL REPORT SUMMARY METHOD 8260 APPENDIX IX DRY WEIGHT REPORTED UNITS: UG/KG

.

General Electric Company			
RESIDENTIAL PROPERTY-GRAVEL	PIT	BACKFILL	SAMPLING
SUBHISSION #: 9710000364			

ORDER NUMBER AMPLE ID: UATE SAMPLED: DATE RECEIVED:	PQL	175366 HGP-RP-1 10/29/1997 10/30/1997	175367 8R-RP-1 10/29/1997 10/30/1997	175368 BGP-RP-1 10/29/1997 10/30/1997	175369 TAM-RP-2 10/29/1997 10/30/1997
		11/ 8/97	11/ 8/97	11/ 8/97	11/ 9/97
ATE ANALYZED:		1.0	1.0	1.0	1.0
DILUTION: PERCENT SOLID (%):		91.8	94.1	92.2	84.8
1,1,1,2-TETRACHLOROETHANE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
1,1,2,2-TETRACHLOROETHANE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
ETRACHLOROETHENE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
OLUENE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
1,1,1-TRICHLOROETHANE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
1,1,2-TRICHLOROETHANE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
RICHLOROETHENE	5.0	5_4 U	5.3 U	5.4 U	5.9 U
TRICHLOROFLUOROMETHANE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
1,2,3-TRICHLOROPROPANE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
INYL ACETATE	10	11 U	11 U	11 U	12 U
VINTE RELATE	5.0	5.4 U	5.3 U	5.4 U	5.9 U
HHP-XYLENE	5.0	5.4 U	5.3 U	5.4 U	5.9 0
D-XYLENE	5.0	5.4 U	5.3 U	5.4 U	5.9 V
SURROGATE RECOVERIES	LIMITS				
	74 - 121	84	84	89	76
BROMOFLUOROBENZENE	74 - 121 81 - 117	94	97	103	99
TOLUENE-d8 DIBROMOFLUOROMETHANE	81 - 117 80 - 120	96	99	100	102

ANALYTICAL REPORT SUMMARY METHOD 8260 APPENDIX IX DRY WEIGHT REPORTED UNITS: UG/KG

General Electric Company			
RESIDENTIAL PROPERTY-GRAVEL	PIT	BACKFILL	SAMPLING
SUBMISSION #: 9710000364			

ORDER NUMBER AMPLE ID: ATE SAMPLED: DATE RECEIVED:	PQL	175370 TAN-RP-1 10/29/1997 10/30/1997	175371 PSG-RP-1 10/29/1997 10/30/1997	175372 D-RP-1 10/29/1997 10/30/1997	
ATE ANALYZED:		11/ 9/97	11/ 9/97	11/ 8/97	
DILUTION:		1.0	1.0	1.0	
PERCENT SOLID (*):		83.9	93_8	92.2	
CETONE	20	24 U	21 U	22 U	
ACETONITRILE	100	120 U	110 U	110 U	
CROLEIN	100	120 U	110 U	110 U	
CRYLONITRILE	100	120 U	110 U	110 U	
ALLYL CHLORIDE	5.0	6.0 U	5.3 U	5.4 U	
BENZENE	5.0	6.0 U	5.3 U	5.4 U	
ROMODICHLOROMETHANE	5.0	6.0 U	5.3 U	5.4 U	
SRONOFORM	5.0	6.0 U	5.3 U	5.4 U	
BRONOMETHANE	5.0	6_0 U	5.3 U	5.4 U	
2-CHLORO-1.3-BUTADIENE	5.0	6.0 U	5.3 U	5.4 U	
2-SUTANONE (MEK)	10	12 U	11 U	11 U	
TRANS-1,4-DICHLORD-2-BUTENE	5.0	6.0 U	5.3 U	5.4 U	
CARBON DISULFIDE	10	12 U	11 U	11 U	
CAREON TETRACHLORIDE	5.0	6_0 U	5.3 U	5.4 U	
CHLOROBENZENE	5.0	6.0 U	5.3 U	5_4 U	
CHLOROETHANE	5.0	6_0 U	5.3 U	5_4 U	
2-CHLORDETHYLVINYL ETHER	5.0	6.0 U	5_3 U	5.4 U 5.4 U	
CHLOROFORM	5.0	6.0 U	5.3 U	5.4 U	
CHLOROMETHANE	5.0	6.0 U	5.3 U		
1,2-DIBRONO-3-CHLOROPROPANE	5.0	6.0 U	5.3 U	5.4 U	
DIBRONOCHLOROMETHANE	5.0	5.0 U	5.3 U	5.4 U	
1,2-DIBROMOETHANE	5_0	6.0 U	5.3 U	5.4 U	
DIBROMOMETHANE	5.0	6.0 U	5.3 U	5.4 U	
DICHLORODIFLUOROMETHANE	5.0	6.0 U	5.3 U	5.4 U	
1,1-DICHLOROETHANE	5.0	6.0 U	5.3 U	5.4 U	
1,2-0ICHLOROETHANE	5.0	6.0 U	5.3 U	5.4 U	
1.1-DICHLOROETHENE	5.0	6.0 U	5.3 U	5.4 U	
TRANS-1, 2-DICHLOROETHENE	5.0	6.0 U	5.3 U	5.4 U 5.4 U	
DICHLOROMETHANE	5.0	6.0 U	5.3 U	5.4 U	
1.2-DICHLOROPROPANE	5.0	6.0 U	5.3 U	5.4 U	
CIS-1. 3-DICHLOROPROPENE	5.0	5.0 U	5.3 U	5.4 U	
TRANS-1, 3-DICHLOROPROPENE	5.0	6.0 U	5.3 U	1100 U	
1,4-DIOXANE	1000	1200 U	1100 U	1100 U	
ETHYL METHACRYLATE	10	12 U		5.4 U	
ETHYLBENZENE	5.0	6.0 U	5_3 U	11 U	
2-HEXANONE	10	12 U	11 U	11 U	
IODOMETHANE	10	12 U	11 U 210 U	220 U	
ISOBUTYL ALCOHOL	200	240 U		110 U	
METHACRYLONITRILE	100	120 U	110 U	110 U	
METHYL METHACRYLATE	10	12 U	11 U	11 U	
4-METHYL-2-PENTANONE(MIBK)	10	12 U	11 U	11 U	
PROPIONITRILE	100	120 U	110 U	5.4 U	
STYRENE	5.0	6.0 U	5.3 U	₩ 7 th	

ANALYTICAL REPORT SUMMARY METHOD 8260 APPENDIX IX DRY WEIGHT REPORTED UNITS: UG/KG

General						
RESIDENT	TAL I	PROP	ERTY-GRAVEL	PIT	BACKFILL	SAMPLING
SUBMISS	ION #	: 97	10000364			

ORDER NUMBER SAMPLE ID: DATE SAMPLED: DATE RECEIVED:	PQL	175370 TAM-RP-1 10/29/1997 10/30/1997	175371 PSG-RP-1 10/29/1997 10/30/1997	175372 D-RP-1 10/29/1997 10/30/1997	
DATE ANALYZED:		11/ 9/97	11/ 9/97	11/ 8/97	
DILUTION:		1.0	1.0	1.0	
PERCENT SOLID (*):		83.9	93.8	92.2	
1,1,1,2-TETRACHLOROETHANE	5.0	6.0 U	5.3 U	5.4 U	
1,1,2,2-TETRACHLOROETHANE	5.0	6.0 U	5.3 U	5.4 U	
TETRACHLOROETHENE	5.0	6.0 U	5.3 U	5.4 U	
TOLUENE	5-0	6.0 U	5.3 U	5.4 U	
1,1,1-TRICHLOROETHANE	5.0	6.0 U	5.3 U	5.4 U	
1,1,2-TRICHLOROETHANE	5.0	6.0 U	5.3 U	5.4 U	
TRICHLOROETHENE	5.0	5.0 U	5.3 U	5.4 U	
TRICHLOROFLUOROMETHANE	5.0	6.0 U	5.3 U	5.4 U	
1,2,3-TRICHLOROPROPANE	5.0	6.0 U	5.3 U	5.4 U	
VINYL ACETATE	10	12 U	11 U	11 U	
VINYL CHLORIDE	5.0	6.0 U	5.3 U	5.4 U	
M+P-XYLENE	5.0	6.0 U	5.3 U	5.4 U	
0-XYLENE	5.0	6.0 U	5.3 U	5.4 U	
SURROGATE RECOVERIES	LIMÍTS				
BROMOFLUOROBENZENE	74 - 121	78	85	94	
TOLUENE-d8	81 - 117	97	98	103	
DIBROMOFLUOROMETHANE	80 - 120	104	99	102	

ANALYTICAL REPORT SUMMARY METHOD 8260 APPENDIX IX REPORTED UNITS: UG/L

General Electric Company			
RESIDENTIAL PROPERTY-GRAVEL	PIT	BACKFILL	SAMPLING
SUBMISSION #: 9710000364			

DRDER NUMBER		175373	175374	
AMPLE 10:		RB-RP-1	TB-1 10/29/1997	
ATE SAMPLED:		10/29/1997	10/30/1997	
DATE RECEIVED:	PQL	10/30/1997	10/30/139/	
DATE ANALYZED:		10/30/97	10/30/97	
DILUTION:		1_0	1.0	
		20.11	20 U	
ACETONE	20	20 U	100 U	
ACETONITRILE	100	100 U	100 U	
ACROLEIN	100	100 U	100 U	
CRYLONITRILE	100	100 U	5.0 U	
ALLYL CHLORIDE	5.0	5.0 U	5.0 U	
BENZENE	5.0	5.0 U		
GROMOD1CHLOROMETHANE	5.0	5.0 U	5.0 U	
BROMOFORM	5.0	5.0 U	5.0 U	
BROMOMETHANE	5.0	5.0 U	5.0 U	
2-CHLORO-1,3-BUTADIENE	5.0	5.0 U	5.0 U	
2-BUTANONE (MEK)	10	10 U	10 U	
TRANS-1, 4-DICHLORO-2-BUTENE	5.0	5.0 U	5_0 U	
CARBON DISULFIDE	10	10 U	10 U	
CARBON TETRACHLORIDE	5.0	5.0 U	5.0 U	
CHLOROBENZENE	5.0	5.0 U	5.0 U	
CHLOROETHANE	5.0	5.0 U	5.0 U	
2-CHLOROETHYLVINYL ETHER	5.0	5.0 U	5.0 U	
CHLOROFORM	5.0	5_0 U	5.0 U	
CHLOROMETHANE	5.0	5.0 U	5_0 U	
1,2-018RONO-3-CHLOROPROPANE	5.0	5.0 U	5.0 U	
DIBROMOCHLOROMETHANE	5.0	5.0 U	5.0 U	
1,2-DIBROMOETHANE	5.0	5.0 U	5.0 U	
DIDROMOMETHANE	5.0	5.0 U	5.0 U	
DICHLORODIFLUOROMETHANE	5.0	5.0 U	5.0 U	
1,1-DICHLOROETHANE	5.0	5.0 U	5.0 U	
1,2-DICHLOROETHANE	5.0	5.0 U	5.0 U	
1,1-DICHLOROETHENE	5.0	5.0 U	5.0 U	
TRANS-1,2-DICHLORDETHENE	5.0	5.0 U	5.0 U 5.0 U	
DICHLOROMETHANE	5.0	5.0 U		
1,2-DICHLOROPROPANE	5.0	5.0 U	5-0 U	
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	5.0 U	
TRANS-1, 3-DICHLOROPROPENE	5.0	5.0 U	5.0 U 1000 U	
1,1-DIOXANE	1000	1000 U	1000 U 10 U	
ETHYL METHACRYLATE	10	10 U	10 U 5_0 U	
ETHYLBENZENE	5.0	5.0 U	10 U	
2-HEXANONE	10	10 U	10 U	
ICDONETHANE	10	10 U 200 U	200 U	
ISOBUTYL ALCOHOL	200	200 U	100 U	
HETHACRYLONITRILE	100	100 U		
METHYL METHACRYLATE	10	10 U	10 U	
4-METHYL-2-PENTANONE (MIBK)	10	10 U	10 U	
PROPIONITRILE	100	100 U	100 U	
STYRENE	5.0	5.0 U	5.0 U	
1,1,1,2-TETRACHLOROETHANE	5.0	5.0 U	5.0 U	

ANALYTICAL REPORT SUNMARY METHOD 8260 APPENDIX IX REPORTED UNITS: UG/L ويستحد فنسب المحالية

General Electric Company RESIDENTIAL PROPERTY-GRAVEL PIT BACKFILL SAMPLING SUBMISSION #: 9710000364

ORDER NUMBER SAMPLE ID: DATE SAMPLED: DATE RECEIVED:		PQL	175373 RU-RP-1 10/29/1997 10/30/1997	175374 TB-1 10/29/1997 10/30/1997	
DATE ANALYZED:			10/30/97	10/30/97	
DILUTION:			1.0	1.0	
1,1,2,2-TETRACHLORDETHANE		5.0	5.0 U	5.0 U	
TETRACHLOROETHENE		5.0	5.0 U	5.0 U	
TOLUENE		5.0	5.0 U	5.0 U	
1,1,1-TRICHLOROETHANE		5.0	5.0 U	5.0 U	
1.1.2-TRICHLOROETHANE		5.0	5.0 U	5.0 U	
TRICHLOROETHENE		5.0	5.0 U	5.0 U	
TRICHLOROFLUOROMETHANE		5.0	5.0 U	5.0 U	
1,2,3-TRICHLOROPROPANE		5.0	5.0 U	5.0 U	
VINYL ACETATE		10	10 U	10 U	
VINYL CHLORIDE		5.0	5.0 U	5.0 U	
N+P-XYLENE		5.0	5.0 U	5.0 U	
0-XYLENE		5.0	5.0 U	5.0 U	
SURROGATE RECOVERIES	LIMITS				
BROMOFLUOROBENZENE			95	98	
TOLUENE-d8	83 - 110		102	103	× .
DIBROMOFLUOROMETHANE	86 - 116		100	102	

General Electric Company ESIDENTIAL PROPERTY-GRAVEL PIT BACKFILL SAMPLING UBMISSION #: 9710000364

	·	175366 HGP-RP-1	175367 8R-RP-1	175368 BGP-RP-1	175369 TAM-RP-2
MPLE ID:		10/29/1997	10/29/1997	10/29/1997	10/29/1997
ATE SAMPLED: NATE RECEIVED:	PQL	10/30/1997	10/30/1997	10/30/1997	10/30/1997
TE EXTRACTED:		10/30/97	10/30/97	10/30/97	10/30/97
ATE ANALYZED:		10/31/97	10/31/97	10/31/97	11/ 1/97
LUTION:		1.0	1.0	1.0	1.0
RCENT SOLID (%):		91.8	94.1	92.2	8418
					700.11
- (DIMETHYLAMINO) AZOBENZENE	670	730 U	710 U	730 U	790 U 390 U
ENAPHTHENE	330	360 U	350 U	360 U	390 U
ENAPHTHYLENE	330	360 U	350 U	360 U	790 U
CETOPHENONE	670	730 U	710 U	730 U	790 U
ACETYLAMINOFLUORENE	670	730 U	710 U	730 U	790 U
-AMINOBIPHENYL	670	730 U	710 U	730 U	390 U
MILINE	330	360 U	350 U	360 U	390 U
NTHRACENE	330	360 U	350 U	360 U	790 U
RAMITE	670	730 U	710 U	730 U	390 U
ENZIDINE	330	360 U	350 U	360 U	390 U
BENZO (A) ANTHRACENE	330	360 U	350 U	360 U	390 U
ENZO(A)PYRENE	330	360 U	350 U	360 U	390 U
ENZO (B) FLUORANTHENE	330	360 U	350 U	360 U	390 U
BENZO (G, H, I) PERYLENE	330	360 U	350 U	360 U	390 U
ENZO (K) FLUORANTHENE	330	360 U	350 U	360 U	1500 U
ENZYL ALCOHOL	1300	1400 U	1400 U	1400 U	1300 0
EUTYL BENZYL PHTHALATE	330	1000	360	920	1900
DI-N-BUTYL PHTHALATE	330	1600	1900	1100	790 U
-NITROSO-DI-N-BUTYLAMINE	670	730 U	710 U	730 U	390 U
NDENO(1,2,3-CD)PYRENE	330	360 U	350 U	360 U	390 0
P-CHLORDANILINE	330	360 U	350 U	360 U	790 U
HLOROBENZILATE	670	730 U	710 U	730 U	390 U
IS (2-CHLOROETHOXY) METHANE	330	360 U	350 U	360 U	390 U
BIS (2-CHLOROETHYL) ETHER	330	360 U	350 U	360 U	390 0
2-CHLORONAPHTHALENE	330	360 U	350 U	360 U	790 U
-CHLOROPHENOL	670	730 U	710 U	730 U	390 U
2,2'-OXYBIS(1-CHLOROPROPANE)	330	360 U	350 U	360 U 360 U	390 0
CHRYSENE	330	360 U	350 U	730 U	790 L
+4-METHYLPHENOL (N+P-CRESOL)	670	730 U	710 U	730 U	790 1
IALLATE	670	730 U	710 U	360 U	390 (
DIBENZ (A, H) ANTHRACENE	330	360 U	350 U	730 U	790 0
DIBENZOFURAN	670	730 U	710 U	360 U	390 (
,2-DICHLOROBENZENE	330	360 U	350 U	360 U	390 1
,3-OICHLOROBENZENE	330	360 U	350 U	360 U	390 1
1,4-DICHLOROBENZENE	330	360 U	350 U	360 U	390 (
, 3'-DICHLOROBENZIDINE	330	360 U	350 U	730 U	790
2,4-DICHLOROPHENOL	670	730 U	710 U	730 U	790 (
2,6-DICHLOROPHENOL	670	730 U	710 U	360 U	390
DIETHYL PHTHALATE	330	360 U	350 U	360 U	390
DIMETHYL PHTHALATE	330	360 U	350 U	730 U	790 1
7,12-DIMETHYLBENZ (A) ANTHRACENE	670	730 U	710 U	360 U	390
3,3'-DIMETHYLBENZIDINE	330	360 U	350 U	000	

ANALYTICAL REPORT SUMMARY METHOD 8270 APPENDIX IX

DRY WEIGHT REPORTED UNITS: UG/KG

General Electric Company				
RESIDENTIAL PROPERTY-GRAVEL	PIT	BACKFILL	SAMPLING	
SUGMISSION #: 9710000364				

RDER NUMBER AMPLE ID: ATE SAMPLED: ATE RECEIVED:	PQL	175366 HCP-RP-1 10/29/1997 10/30/1997	175367 BR-RP-1 10/29/1997 10/30/1997	17536B BGP-RP-1 10/29/1997 10/30/1997	175369 TAM-RP-2 10/29/1997 10/30/1997
ATE EXTRACTED:		10/30/97	10/30/97	10/30/97	10/30/97
ATE ANALYZED:		10/31/97	10/31/97	10/31/97	11/ 1/97
		1_0	1.0	1.0	1.0
ILUTION: ERCENT SOLID (%):		91.8	94.1	92.2	84.8
	670	730 U	710 U	730 U	790 U
A, A-DIMETHYLPHENETHYLAMINE	670	730 U	710 U	730 U	790 U
,4-DIMETHYLPHENOL	670	730 U	710 U	730 U	790 U
.,3-DINITROBENZENE	3300	3600 U	3500 U	3600 U	3900 U
2,4-01N1TROPHENOL	330	360 U	350 U	360 U	390 U
,4-DINITROTOLUENE	330	360 U	350 U	360 U	390 U
2,6-DINITROTOLUENE	670	730 U	710 U	730 U	790 U
DIPHENYLAMINE	330	360 U	350 U	360 U	390 U
1,2-DIPHENYLHYDRAZINE	330	360 U	350 U	360 U	390 U
-NITROSO-N-DIPROPYLAMINE	570	730 U	710 U	730 U	790 U
THYL METHANESULFONATE	330	360 U	350 U	360 U	390 °U
BIS (2-ETHYLHEXYL) PHTHALATE	330	360 U	350 U	360 U	390 U
FLUORANTHENE	330	360 U	350 U	360 U	390 U
FLUORENE	330	360 U	350 U	360 U	390 U
HEXACHLOROBENZENE	330	360 U	350 U	360 U	390 U
HEXACHLOROBUTADIENE	330	360 U	350 U	360 U	390 U
HEXACHLOROCYCLOPENTADIENE	330	360 U	350 U	360 U	390 U
HEXACHLOROETHANE	670	730 U	710 U	730 U	790 U
HEXACHLOROPHENE	670	730 U	710 U	730 U	790 U
HEXACHLOROPROPENE	. 670	730 U	710 U	730 U	790 U
ISODRIN	330	360 U	350 U	360 U	390 U
ISOPHORONE	670	730 U	710 U	730 U	790 U
ISOSAFROLE	670	730 U	710 U	730 U	790 U
METHAPYRILENE	670	730 U	710 U	730 U	790 U
HETHYL METHANESULFONATE	670	730 U	710 U	730 U	790 U
3-METHYLCHOLANTHRENE	660	720 U	700 U	720 U	780 U
2-METHYLNAPHTHALENE	330	360 U	350 U	360 U	390 U
Z-METHYLPHENOL	3300	3600 U	3500 U	3600 U	3900 U
4,6-DINITRO-2-METHYLPHENOL	670	730 U	710 U	730 U	790 U
4-CHLORO-3-METHYLPHENOL	330	360 U	350 U	360 U	390 U
NAPHTHALENE	670	730 U	710 U	730 U	790 U
1,4-NAPHTHOQUINONE	670	730 U	710 U	730 U	790 U
1-NAPHTHYLANINE	670	730 U	710 U	730 U	790 U
2-NAPHTHYLAMINE	1300	1400 U	1400 U	1400 U	1500 0
2-NITROANILINE	1300	1400 U	1400 U	1400 U	1500 0
3-NITROANILINE	3300	3600 U	3500 U	3600 U	3900 (
4-NITROANILINE	330	360 U	350 U	360 U	390 (
NITROBENZENE	670	730 U	710 U	730 U	790 0
2-NITROPHENOL	3300	3600 U	3500 U	3600 U	3900 (
4-NITROPHENOL	330	360 U	350 U	360 U	390 (
N-NITROSODIETHYLAMINE	330	360 U	350 U	360 U	390 (
N-NITROSOD IMETHALAMINE	220	360 U	350 U	360 U	390

General Electric Company			
RESIDENTIAL PROPERTY-GRAVEL	PIT	BACKFILL	SAMPLING
SUBMISSION #: 9710000364			

ATE SAMPLE :		175366 HGP-RP-1 10/29/1997	175367 8R-RP-1 10/29/1997	175368 BGP-RP-1 1C/29/1997	175369 TAM-RP-2 10/29/1997
ATE SAMPLED: DATE RECEIVED:	PQL	10/30/1997	10/30/1997	10/30/1997	10/30/1997
²			10/30/97	10/30/97	10/30/97
ATE EXTRACTED:		10/30/97	10/31/97	10/31/97	11/ 1/97
DATE ANALYZED:		10/31/97	1.0	1.0	1.0
DILUTION:		1.0	94_1	92.2	84.8
ERCENT SOLID (*):		91.8	2442		
N-NITROSOMETHYLETHYLAMINE	670	730 U	710 U	730 U	790 U
	670	730 U	710 U	730 U	790 U
-NITROSOMORPHOLINE	670	730 U	710 U	730 U	790 U
	670	730 U	710 U	730 U	790 U
N-NITROSOPYROLIDINE	330	360 U	350 U	360 U	390 U
DI-N-OCTYL PHTHALATE	670	730 U	710 U	730 U	790 U
-NITROQUINOLINE-1-OXIDE	670	730 U	710 U	730 U	790 U
PENTACHLOROBENZENE	670	730 U	710 U	730 U	790 U
PENTACHLOROETHANE	670	730 U	710 U	730 U	790 U
PENTACHLORONITROBENZENE	3300	3600 U	3500 U	3600 U	3900 L
PENTACHLOROPHENOL	570	730 U	710 U	730 U	790 ·t
PHENACETIN	330	360 U	350 U	360 U	390 0
PHENANTHRENE	670	730 U	710 U	730 U	790 L
PHENOL	670	730 U	710 U	730 U	790 (
P-PHENYLENEDIAMINE	330	360 U	350 U	360 U	390 1
4-BROMOPHENYL-PHENYLETHER	330	360 U	350 U	360 U	390 1
4-CHLOROPHENYL-PHENYLETHER	670	730 U	710 U	730 U	790
2-PICOLINE	670	730 U	710 U	730 U	790
PRONAMIDE		360 U	350 U	360 U	390
PYRENE	330	730 U	710 U	730 U	790
PYRIDINE	670	730 U	710 U	730 U	790
SAFROLE	670	730 U	710 U	730 U	790
1,2,4.5-TETRACHLOROBENZENE	670	730 0	710 U	730 U	790
2.3.4,6-TETRACHLOROPHENOL	670	730 U	710 U	730 U	790
THIONAZIN	670		710 U	730 U	790
5-NITRO-O-TOLUIDINE	670	730 U	710 U	730 U	790
O-TOLUIDINE	670	730 U 360 U	350 U	360 U	390
1,2,4-TRICHLOROBENZENE	230		710 U	730 U	790
2,4,5-TRICHLOROPHENOL	670	730 U 730 U	710 U	730 U	790
2,4,5-TRICHLOROPHENOL	- 670		710 U	730 U	7 9 0
0,0,0-TRIETHYL PHOSPHOROTHIO	ATE 670	730 U	710 U	730 U	790
1, 3, 5-TRINITROBENZENE	670	730 U			
SURROGATE RECOVERIES				72	77
TERPHENYL-d14 1	8 - 137	75	69	72 71	68
	3 - 120	70	66	69	72
	4 - 113	70	66		73
	10 - 115	69	64	68	63
2-FLUOROPHENOL	25 - 121	67	63	65	122
2 - FCOORDFRIGHT	9 - 122	120	116	120	****

General Electric Company				
ESIDENTIAL PROPERTY-GRA	VEL PIT	BACKFILL	SAMPLING	
JEMISSION #: 9710000364				

DER NUMBER		175370 TAM-RP-1	175371 PSG-RP-1	175372 D-RP-1	
MPLE ID:		10/29/1997	10/29/1997	10/29/1997	
TE SAMPLED:	001	10/30/1997	10/30/1997	10/30/1997	
TE RECEIVED:	PQL	10/30/1337			
TE EXTRACTED:		10/30/97	10/30/97	10/30/97	
TE ANALYZED:		11/ 3/97	10/31/97	11/ 1/97	
LUTION:		1.0	1_0	1.0 92.2	
RCENT SOLID (%):		83.9	93.8	92-2	
			710 U	730 U	
- (DIMETHYLAMINO) AZOBENZENE	670	800 U	350 U	360 U	
ENAPHTHENE	330	390 U	350 U	360 U	
ENAPHTHYLENE	330	390 U	710 U	730 U	
CETOPHENONE	670	800 U	710 U	730 U	
ACETYLAMINOFLUORENE	670	800 U	710 U	730 U	
AMINOBIPHENYL	670	800 U	350 U	360 U	
NILINE	330	390 U	350 U	360 U	
NTHRACENE	330	390 U	350 U 710 U	730 U	
RAMITE	670	800 U	350 U	360 U	
ENZIDINE	330	390 U	350 U	360 U	•
ENZO (A) ANTHRACENE	330	390 U	350 U	360 U	
ENZO (A) PYRENE	330	390 U	350 U	260 U	
ENZO(B) FLUORANTHENE	330	390 U	350 U	360 U	
ENZO (G, H, I) PERYLENE	330	390 U	350 U	360 U	
ENZO (K) FLUORANTHENE	330	390 U	1400 U	1400 U	
ENZYL ALCOHOL	1300	1500 U	350 U	360 U	
UTYL BENZYL PHTHALATE	330	390 U	350 U	360 U	
DI-N-BUTYL PHTHALATE	330	390 U	710 U	730 U	
-NITROSO-DI-N-BUTYLAMINE	670	800 U	350 U	360 U	
NDENO(1,2,3-CD) PYRENE	330	390 U	350 U	360 U	
P-CHLOROANILINE	330	390 U	710 U	730 U	
THLOROBENZILATE	670	500 U	350 U	350 U	
IS(2-CHLOROETHOXY)METHANE	330	390 U	350 U	360 U	
BIS (2-CHLOROETHYL) ETHER	330	390 U	350 U	360 U	
2-CHLORONAPHTHALENE	330	390 U 800 U	710 U	730 U	
2-CHLOROPHENOL	670	390 U	350 U	360 U	
2,2'-OXYBIS(1-CHLOROPROPANE)	330	390 U	350 U	360 U	
CHRYSENE	330	800 U	710 U	730 U	
3+4-METHYLPHENOL (M+P-CRESOL)	670	800 U	710 U	730 U	
DIALLATE	670	390 U	350 U	360 U	
DIBENZ(A,H)ANTHRACENE	330	800 U	710 U	730 U	
DIBENZOFURAN	570 220	390 U	350 U	360 U	
1,2-DICHLOROBENZENE	330	390 U	350 U	360 U	
1,3-0ICHLOROBENZENE	330	390 U	350 U	360 U	
1,4-DICHLOROBENZENE	330	390 U	350 U	360 U	
3,3'-DICHLOROBENZIDINE	330 670	800 U	710 U	730 U	
2.4-DICHLOROPHENOL	670 670	800 U	710 U	730 U	
2,6-0ICHLOROPHENOL	670 330	390 U	350 U	360 U	
DIETHYL PHTHALATE	330 330	390 U	350 U	360 U	
DIMETHYL PHTHALATE	530 670	800 U	710 U	730 U	
7,12-0IMETHYLBENZ (A) ANTHRACENE	0/0	390 U	350 U	360 U	

.

DER NUMBER MPLE ID: TE SAMPLED: TE RECEIVED:	PQL .	175370 TAM-RP-1 10/29/1997 10/30/1997	175371 PSG-RP-1 10/29/1997 10/30/1997	175372 D-RP-1 10/29/1997 10/30/1997	
TE EXTRACTED:		10/30/97	10/30/97	10/30/97	
TE ANALYZED:		11/ 3/97	10/31/97	11/ 1/97	
LUTION:		1.0	1.0	1.0	
RCENT SOLID (%):		83.9	93.8	92.2	
A-DIMETHYLPHENETHYLAMINE	670	800 U	710 U	730 U	
4-DINETHYLPHENOL	670	800 U	710 U	730 U	
3-DINITROBENZENE	670	800 U	710 U	730 U	
4-DINITROPHENOL	3300	3900 U	3500 U	3600 U	
4-DINITROTOLUENE	330	390 U	350 U	360 U	
6-DINITROTOLUENE	230	390 U	350 U	360 U	
IPHENYLAMINE	670	800 U	710 U	730 U	
,2-DIPHENYLHYDRAZINE	330	390 U	350 U	360 U	
-NITROSO-N-DIPROPYLAMINE	330	390 U	350 U	360 U	
THYL METHANESULFONATE	670	800 U	710 U	730 U	
IS (2-ETHYLHEXYL) PHTHALATE	330	390 U	350 U	360 U	
LUORANTHENE	330	390 U	350 U	360 U	
LUORENE	330	390 U	350 U	360 U	
EXACHLOROBENZENE	330	390 U	350 U	360 U	
EXACHLOROBUTADIENE	330	390 U	350 U	360 L	
EXACHLOROCYCLOPENTADIENE	330	390 U	350 U	360 U	
EXACHLOROETHANE	330	390 U	350 U	360 L	
EXACHLOROPHENE	670	800 U	710 U	730 1	
EXACHLOROPROPENE	670	800 U	710 U	730 \	
SOORIN	670	800 U	710 U	730 1	
SOPHORONE	330	390 U	350 U	360 1	
SOSAFROLE	670	800 U	710 U	730 (
AETHAPYRILENE	670	800 U	. 710 U	730 (
AETHYL METHANESULFONATE	670	800 U	710 U	730 1	
3-METHYLCHOLANTHRENE	670	800 U	710 U	730	
2-HETHY LNAPHTHALENE	660	790 U	700 U	720	
2-METHYLPHENOL	330	390 U	350 U	360	
4,6-DINITRO-2-METHYLPHENOL	3300	3900 U	3500 U	3600	
4-CHLORO-3-METHYLPHENOL	670	800 U	710 U	720	
NAPHTHALENE	330	390 U	350 U	360	
L.4-NAPHTHOQUINONE	670	800 U	710 U	730	
-NAPHTHY LAMINE	670	800 U	710 U	730	
-NAPHTHYLAMINE	670	800 U	710 U	730	
2-NITROANILINE	1300	1500 U	1400 U	1400	
B-NITROANILINE	1300	1500 U	1400 U	1400	
4-NITROANILINE	3300	3900 U	3500 U	· 3600 360	
TROBENZENE	330	390 U	350 U		
2-NITROPHENOL	670	800 U	710 U	730	
4-NITROPHENOL	3300	3900 U	3500 U	3600	
N-NITROSODIETHYLAMINE	330	390 U	350 U	360	
N-NITROSODIETHALAMINE	330	390 U	350 U	360	
-NITROSODIPHENYLAMINE	330	390 U	350 U	360	U

General Electric Company TESIDENTIAL PROPERTY-GRAVEL PIT BACKFILL SAMPLING

.

ARDER NUMBER		175370	175371	175372
AMPLE ID:		TAH-RP-1	PSG-RP-1	D-RP-1
ATE SAMPLED:		10/29/1997	10/29/1997	10/29/1997
DATE RECEIVED:	POL	10/30/1997	10/30/1997	10/30/1997
		10/30/97	10/30/97	10/30/97
ATE EXTRACTED:		11/ 3/97	10/31/97	11/ 1/97
DATE ANALYZED:		1.0	1.0	1.0
DILUTION:		82.9	93.8	92.2
ERCENT SOLID (*):				
N-NITROSOMETHYLETHYLAMINE	670	600 U	710 U	730 U 730 U
I-NITROSOMORPHOLINE	670	800 U	710 U	
I-NITROSOP IPERIDINE	670	800 U	710 U	730 U
N-NITROSOPYROLIDINE	670	800 U	710 U	730 U
DI-N-OCTYL PHTHALATE	330	390 U	350 U	360 U
A-NITROQUINOLINE-1-OXIDE	670	800 U	710 U	730 U
PENTACHLOROBENZENE	670	800 U	710 U	730 U
PENTACHLOROETHANE	670	300 U	710 U	730 U
PENTACHLORONITROBENZENE	670	800 U	710 U	730 U
PENTACHLOROPHENOL	3300	3900 U	. 3500 U	3600 U
PHENACETIN	670	800 U	710 U	730 U
PHENACELIN	330	390 U	350 U	360 U
	670	800 U	710 U	730 U
PHENOL	670	800 U	710 U	730 U
P-PHENYLENEDIAMINE	330	390 U	350 U	360 U
4-BROMOPHENYL-PHENYLETHER	330	390 U	350 U	360 V
4-CHLOROPHENYL-PHENYLETHER	670	800 U	710 U	730 U
2-PICOLINE	670	800 U	710 U	730 U
PRONAMIDE	330	390 U	350 U	360 U
PYRENE	670	800 U	710 U	730 U
PYRIDINE	670	800 U	710 U	730 U
SAFROLE	670	800 U	710 U	730 U
1,2,4,5-TETRACHLOROBENZENE	670	800 U	710 U	730 U
2,3,4,6-TETRACHLOROPHENOL	670	800 U	710 U	730 U
THIONAZIN		800 U	710 U	730 U
5-NTTRO-O-TOLUIDINE	670	800 U	710 U	730 U
O-TOLUIDINE	670	390 U	350 U	360 U
1,2,4-TRICHLOROBENZENE	330		710 U	730 U
2,4,5-TRICHLOROPHENOL	670	800 U	710 U	730 U
2.4.5-TRICHLOROPHENOL	670	800 U	710 U	730 U
0.0,0-TRIETHYL PHOSPHOROTH	ICATE 670	800 U	710 U	730 U
1.3,5-TRINITROBENZENE	670	800 U	/10 0	
SURROGATE RECOVERIES	LIMITS			
		78	70	80
TERPHENYL-d14	18 - 137	65	63	79
NITROBENZENE-d5	23 - 120		62	77
PHENOL-d6	24 - 113	62	67	82
2-FLUOROBIPHENYL	30 - 115	73		72
2-FLUOROPHENOL	25 - 121	59	60	115
2,4,6-TRIBROMOPHENOL	19 - 122	98	121	***

COLUMBIA ANALYTICAL SERVICES	EXTRACTABI METHOD 82 Reported:	LE ORGANICS 70 APPENDIX II 11/06/97	X
General Electric Company Project Reference: RESIDENTIAL PROPE Client Sample ID : RB-RP-1			
ate Sampled : 10/29/97 Order #: ate Received: 10/30/97 Submission #:	175373 Sat 9710000364 An	mple Matrix: alytical Run	WATER 21330
ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/30/97 DATE ANALYZED : 11/03/97 ANALYTICAL DILUTION: 1.0			
	10	U 01	UG/L
- (DIMETHYLAMINO)AZOBENZENE	5.0	5.2 U	UG/L
CENAPHTHENE	5.0	5.2 U	UG/L
CENAPHTHYLENE	10	10 U	UG/L
CETOPHENONE	10	10 U	UG/L
-ACETYLAMINOFLUORENE	10	10 U	UG/L
-AMINOBIPHENYL	5.0	5.2 U	UG/L
NILINE	5.0	5.2 U	UG/L
INTERACENE	10	10 U	UG/L
RAMITE	5.0	5.2 U	UG/L
BENZIDINE	5.0	5.2 U	UG/L
BENZO (A) ANTHRACENE	5.0	5.2 U	UG/L
BENZO(A) PYRENE	5.0	5.2 U	UG/L
BENZO (B) FLUORANTHENE		5.2 U	UG/L
BENZO(G, H, I) PERYLENE	5.0	5.2 U	UG/L
BENZO(K)FLUORANTHENE	5.0	21 U	UG/L
BENZYL ALCOHOL	20	5.2 U	UG/L
BUTYL BENZYL PHTHALATE	5.0	5.2 U	UG/L
DI-N-BUTYL PHTHALATE	5.0	10 U	UG/L
N-NITROSO-DI-N-BUTYLAMINE	10	5.2 U	UG/L
INDENO(1,2,3-CD)PYRENE	5.0	5.2 U 5.2 U	UG/L
P-CHLOROANILINE	5.0	10 U	UG/L
CHLOROBENZILATE	10		UG/L
BIS (2-CHLOROETHOXY) METHANE	5.0	5.2 U	UG/L UG/L
BIS (2-CHLOROETHYL) ETHER	5.0	5.2 U	UG/L UG/L
2-CHLORONAPHTHALENE	5.0	5.2 U	UG/L
2-CHT.OROPHENOL	10	10 0	UG/L
2, 2'-OXYBIS(1-CHLOROPROPANE)	5.0	5.2 U	UG/L
CHRYSENE	5.0	5.2 U	UG/L
3+4-METHYLPHENOL (M+P-CRESOL)	10	10 U	UG/L UG/L
DIALLATE	10		UG/L UG/L
DIBENZ (A, H) ANTHRACENE	5.0	5.2 U	UG/L
DIBENZOFURAN	10		UG/L
1, 3-DICHLOROBENZENE	5.0	5.2 U	UG/L
1,2-DICHLOROBENZENE	50	5.2 U	UG/L UG/L
1,4-DICHLOROBENZENE	5.0	5.2 U	UG/L
3, 3'-DICHLOROBENZIDINE	5.0	5.2 U	UG/L
2,4-DICHLOROPHENOL	10	10 0	
2,4-DICHLOROPHENOL	10	10 U	UG/L NC/I
	5.0	5.2 U	UG/L
DIETHYL PHTHALATE	5.0	5.2 U	UG/L
		10 U	UG/L
DIMETHYL PHTHALATE	10	10.0	
DIMETHYL PETHALAIL 7,12-DIMETHYLBENZ(A)ANTHRACENE 3,3'-DIMETHYLBENZIDINE	10 10	10 0	UG/L UG/L

2

	METHOD Reporte	8270 APPENDIX 1 ed: 11/06/97	x
General Electric Company Project Reference: RESIDENTIAL PROPE Client Sample ID : RB-RP-1	RTY-GRAVEL I	PIT BACKFILL SAM	PLING
Date Sampled : 10/29/97 Order #: Date Received: 10/30/97 Submission #:	175373 9710000364	Sample Matrix: Analytical Run	WATER 21330
ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/30/97 DATE ANALYZED : 11/03/97 ANALYTICAL DILUTION: 1.0			
2,4-DIMETHYLPHENOL	10	10 U	UG/L
1, 3-DINITROBENZENE	10	10 U	UG/L UG/T
2,4-DINITROPHENOL	50	52 U	UG/L UC/T
2,4-DINITROTOLUENE	5.0	5.2 U	UG/L
2,6-DINITROTOLUENE	5.0	5.2 U	UG/L
DIPHENYLAMINE	10	10 U	UG/L
1,2-DIPHENYLHYDRAZINE	5.0	5.2 U	UG/L
N-NITROSO-N-DIPROPYLAMINE	5.0	5.2 U	UG/L
ETHYL METHANESULFONATE	10	10 U	UG/L
BIS(2-ETHYLHEXYL)PHTHALATE	5.0	5.2 U	UG/L
FLUORANTHENE	5.0	5.2 U	UG/L
FLUORENE	5.0	5.2 U	UG/L
HEXACHLOROBENZENE	5.0	5.2 U	UG/L
HEXACHLOROBUTADIENE	5.0	5.2 U	UG/L
HEXACHLOROCYCLOPENTADIENE	5.0	5.2 U	UG/L
HEXACHLOROETHANE	5.0	5.2 U	UG/L
HEXACHLOROPHENE	10	10 U	UG/L
HEXACHLOROPROPENE	10	10 U	UG/L
ISODRIN	10	10 U	UG/L
ISOPHORONE	5.0	5.2 U	UG/L
	10	10 U	UG/L
ISOSAFROLE	10	10 U	UG/L
METHAPYRILENE	10	10 U	UG/L
METHYL METHANESULFONATE	10	10 U	UG/L
3-METHYLCHOLANTHRENE	10	10 U	UG/L
2-METHYLNAPHTHALENE	50	52 U	UG/L
4,6-DINITRO-2-METHYLPHENOL	10	10 U	UG/L
4-CHLORO-3-METHYLPHENOL	10	10 U	UG/L
2-METHYLPHENOL	5.0	5.2 U	UG/L
NAPETHALENE	10	10 U	UG/L
1,4-NAPHTHOQUINONE	10	10 U	UG/L
1-NAPHTHYLAMINE	10	10 U	UG/L
2-NAPHTHYLAMINE	20	21 U	UG/L
2-NITROANILINE	20	21 U	UG/L
3-NITROANILINE	50	52 U	UG/L
4-NITROANILINE	5.0	5.2 U	UG/L
NITROBENZENE	10	10 U	UG/L
2-NITROPHENOL	50	52 U	UG/L
4-NITROPHENOL	5.0	5.2 U	UG/L
N-NITROSODIETHYLAMINE	5.0	5.2 U	UG/L
N-NITROSODIMETHALAMINE	5.0	5.2 U	UG/L
N-NTTROSODIPHENYLAMINE	10	10 U	UG/L
N-NTTROSOMETHYLETHYLAMINE	10	4 A 17	UG/L
N-NITROSOMORPHOLINE	10		

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

	METHOD & Reported	3270 APPENDIX I 1: 11/06/97	X
General Electric Company Project Reference: RESIDENTIAL PROP Client Sample ID : RB-RP-1	ERTY-GRAVEL PI	IT BACKFILL SAM	PLING
Date Sampled : 10/29/97 Order # ate Received: 10/30/97 Submission #	: 175373 : : 9710000364 :	Sample Matrix: Analytical Run	WATER 21330
ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/30/97 DATE ANALYZED : 11/03/97 ANALYTICAL DILUTION: 1.0 -NITROSOPIPERIDINE	10	10 U	UG/L
N-NITROSOPYROLIDINE I-N-OCTYL PHTHALATE -NITROQUINOLINE-1-OXIDE PENTACHLOROBENZENE PENTACHLOROETHANE PENTACHLOROPHENOL PHENACETIN PHENANTHRENE PHENOL	10 5.0 10 10 10 50 10 5.0 10	10 U 5.2 U 10 U 10 U 10 U 10 U 52 U 10 U 5.2 U 10 U 10 U	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
P-PHENYLENEDIAMINE 4-BROMOPHENYL-PHENYLETHER 1-CHLOROPHENYL-PHENYLETHER 2-PICOLINE PRONAMIDE PYRENE PYRIDINE SAFROLE 1,2,4,5-TETRACHLOROBENZENE 2,3,4,6-TETRACHLOROPHENOL	5.0 5.0 10 10 5.0 10 10 10	5.2 U 5.2 U 10 U 10 U 5.2 U 10 U 10 U 10 U 10 U	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
2,3,4,6-TETRACHIOROT MEMOR THIONAZIN 5-NITRO-O-TOLUIDINE 0-TOLUIDINE 1,2,4-TRICHLOROBENZENE 2,4,6-TRICHLOROPHENOL 2,4,5-TRICHLOROPHENOL 0,0,0-TRIETHYL PHOSPHOROTHIOATE 1,3,5-TRINITROBENZENE	10 10 5.0 10 10 10	10 U 10 U 10 U 5.2 U 10 U 10 U 10 U 10 U	UG/L UG/L UG/L UG/L UG/L UG/L UG/L
TERPHENYL-d14(33NITROBENZENE-d5(35PHENOL-d6(102-FLUOROBIPHENYL(432-FLUOROPHENOL(21	IMITS - 141 %) - 114 %) - 94 %) - 116 %) - 110 %) - 123 %)	78 71 31 73 41 88	90 90 90 90 90 90

8270 -

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS

MALITICAL REPORT SUMMARY METHOD 8081 PCB'S REPORTED UNITS: UG/XG

Ceneral Electric Company RESIDENTIAL PROPERTY-GRAVEL PIT BACKFILL SAMPLING SUBMISSION #: 9710000364

NOFE NOGER NOFLE ID: DATE SANFLED: DATE RECEIVED:		POL	175366 HGP-RP-1 10/23/1997 10/30/1997	175367 BR-RP-1 10/23/1997 10/30/1997	175368 BGP-RP-1 10/23/1997 10/30/1997	175365 TAM-RP-2 10/25/1997 10/30/1997
ATS EXTRACTED:			10/30/ 3 7 10/30/97	10/30 /9 7 10/30/97	10/30/97 10/30/97	10/30/97
ILUTION: ERCENT SOLID (4):		۰.	1.0	1.0	1.0	1.0
CE 1016		17	17 0	17 U	17 0	17 U
CB 1221		17	17 0	17 0	17 U 17 U	17 U 17 U
CB 1232		17	17 0	17 U 17 U	17 0	17 0
CB 1242		17 17	17 0	17 0	17 0	17 0
CB 1248 CB 1254		17	17 0	17 U 17 U	17 U 17 U	17 U 17 U
PCB 1260		17	17 0	17 4		
URROGATE RECOVERIES	LINITS					
DECACHLOROBIPHENYL	30 - 150		142	123	66	98
ETRACHLORO-META-XYLENE	30 - 150		129	115	63	96

COLUMBIA MEALYTICAL SERVICES

ANALITICAL REPORT SUMMARY METHOD 2031 PCB'S REPORTED UNITS: UG/RG

General Electric Company

SEIDENTIAL PROPERTY-GRAVEL PIT BACKFILL SAMPLING

UBMISSION #: 9710000364

	_					
THER KOMPER MPLE ID: DATE SMEPLED: DATE RECEIVED:		PQL	175370 TAM-RP-1 10/29/1997 10/30/1997	175371 PSG-RP-1 10/29/1957 10/30/1957	175372 D-RP-1 10/23/1397 10/30/1397	
IS EXTRACTED:			10/30/97 10/30/97	10/30/97 10/30/97	10/30/97 10/30/97	
DATE MALYZED:			1.0	1.0	1.0	
TLUTION:			7.4			
RCENT SOLID (%):						
		17	17 0	17 U	17 0	
PCB 1016		17	17 3	17 0	17 9	
		17	17 0	17 U	17 0	
CB 1242		17	17 0	17 0	17 0	
E 1248		17	17 0	17 0	17 0	
		17	17 5	17 0	17 0	
PCB 1260		17	17 3	17 0	17 0	
TROGATE RECOVERIES	LINITS					
DECACHLOROBIPHENYL	30 - 150		3 7	102	101	
FIRACHLORO-META-XILENE	30 - 150		95	9 9	95	

EXTRACTABLE ORGANICS METHOD 8081 PCB'S Reported: 11/06/97 General Electric Company Project Reference: RESIDENTIAL PROPERTY-GRAVEL PIT BACKFILL SAMPLING Client Sample ID : RB-RP-1 Date Sampled : 10/29/97 Order #: 175373 Sample Matrix: WATER Date Received: 10/30/97 Submission #: 9710000364 Analytical Run 21316 UNITS RESULT PQL ANALYTE : 10/30/97 DATE EXTRACTED : 10/31/97 DATE ANALYZED 1.0 ANALYTICAL DILUTION: UG/L 0.50 U 0.50 CB 1016 UG/L 0.50 U 0.50 FCB 1221 0.50 U UG/L 0.50 PCB 1232 0.50 U UG/L 0.50 CB 1242 UG/L 0.50 U 0.50 CB 1248 UG/L 0.50 U 0.50 PCB 1254 UG/L 0.50 U 0.50 PCB 1260

QC LIMITS

(30 - 150 %)

- 150 %)

(30

COLUMBIA ANALYTICAL SERVICES

SURROGATE RECOVERIES

TETRACHLORO-META-XYLENE

DECACHLOROBIPHENYL

C700#CHOT/.C. /T:TT /R/7T/TT

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74

Attachment G

BLASLAND, BOUCK & LEE, INC. engineers & scientists

Hazardous Waste Manifests for Transport of Excavated Soils

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5 5

DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street Boston, Massachusetts 02108

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

	UNIFORM HAZARDOUS	. Generator US E	PA ID No.	-	enifest ment Ne./	2. Pag			n in the shade		ar a branch og brann og sk
	WASTE MANIFEST	MADDO	2084093	20	404	of			red by Feder		
	3. Generator's Name and Mailing Address GF C(OMPANY			·				nent Number	r	.
		VOODLAWN				MA	KUD te Gen, ID	<u>2040</u>	Ь	,	{
		SFIELD, MA					Sam		9-9-	77	
	5. Transporter 1 Company Name	6		lumber			e Trans. I		└ ┧── <i>↓</i> ──	hanna f	
	Maxymillian Technologies Inc.		MASOOD	118	67		11	IE	ZSB	88 M	0A
	7. Transporter 2 Company Name	8	TTT T T T T T T T T T T T T T T T T T	0.0	•	D. Tra	nsporter	s Phóne (119 100	-3050	
						E. Sta	te Trans.	IU	410 400		
	9. Designated Facility Name and Site Address	1	0. US EPA ID N	lumber				 			
			MAD0020	~ ^ ~	02		nsporter's			quired	
	100 WOODLAWN AVE	1	MADUUZU	040	93		ility's Pho		1	04 376	-1
	PITTSFIELD, MA 01201	L			12. Cont	ainers	_13	3.	14.	1.	· · 1
	11. US DOT Description (Including Proper Shipping N	lame, Hazard Cla	ss, and ID Number)		No.	Type	Tot Quar		Wt/Vol	Waste	No.
			0.100045	***			50	Yet	RY		
	*RQ, Polychlorinated Bipheny	ns mixture	e, 9, UN2315,	111						3 .41	
					0 0 1	$\mathbf{b}1$	124	200	ĸ	MAO	12
G	b.										
E N											3
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A	с.										
ŏ										R T	² 4 2
R	d.										Ŷ.
								!			7
									astes Listed		\square
	J. Additional Descriptions for Materials Listed Above	(include physica	i state and nazard code.			N. 1181	nanng Co	185 IOT V	I SIGS LISIOU	ADOAR	
	⁸ PCB Soil & Debris - CH0642	<u> </u>			- 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19	a	<u> </u>	1 12	C.		
							بر اور ا				
	b.	d			2	b.			d.		
	15. Special Handling Instructions and Additional Info					Out of	Servic	e Date	= 5/16/	913	
	Emergency Contact: 1-800-424-930		B < 1%								
	Emergency Response Guide #171 16. GENERATOR'S CERTIFICATION: Thereby declare that the c	ontents of this cons	ignment are fully and accur	ately descr	ribed above b	Ŷ					
	 GENERATOR S CERTIFICATION: Thereby declare proper shipping name and are classified, packed, marked, i according to applicable international and national governm 	and labeled, and are ient regulations.	in all respects in proper con-	dition for t	ransport by n	ignway					
		aram in place to redu	uce the volume and toxicity of	of waste g	enerated to ti	ne degree	have deter	mined to b	e economicall	y practicable	e
	It i am a large quantity generator, i certify that i have a pioc and that I have selected the practicable method of treatme ment; OR, if I am a small quantity generator, I have made a										t i
	can afford.								Γ	Date	
	Printed/Typed Name		Signature				•		Month	-	Year
	JOE Molina, AS Agent For GE	5	Joerviol	ím					05		98
R	17. Transporter 1 'Acknowledgement of Receipt of	of Materials	Signeture			7 1	L		Month	Date Day)	Year
A N S	Printed Typed Name	-	Signature	1	- A D	toto	- 1		015		22
P	18. Transporter 2 Acknowledgement of Receipt of	of Materials			Gr Cr					Date	
TRANSPORTER	Printed/Typed Name		Signature						Month	Day)	Year
Ř											
F	19. Discrepancy Indication Space										
A C											
	20. Facility Owner or Operator: Certification of receip	nt of hererdour m	aterials covered hy this	manifee	t excent as	noted in	Item 19				
	20. Facility Owner or Operator, Certification of receip		ractional operator by Dila		a o pri 160					Date	
Ť	Printed/Typed Name	uh 1	Signature	1	-	+1	10		Month	Day	Year
	KONALD 7 -	1/inet	re /	ma	<u> [] -</u>	Va	a		-1013	571810	98
	Approved OMB No. 2050-0039	obaolota			-						
cr4	A Form 8700-22 (Rev. 9-94) Previous editions are COPY>		FACILITYM	2 ITA	TOGE	NFRA	TOR				

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COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS **One Winter Street**

Boston, Massachusetts 02108

1	UNIFORM HAZARDOUS 1. Genera	tor US EPA ID No.	Manifest Document No.	2. Pag		on in the shad	
	WASTE MANIFEST MA	002084093	2/32	04		uired by Feder	
	3. Generator's Name and Mailing Address GE COMPA	NY	0.000		nte Manifest Docu		r
				MA	<u> </u>	2 3	,
					te Gen. ID	9-9-	27)
-		D, MA 01201 6. US EPA ID Num		1	te Trans. ID		
	5. Transporter 1 Company Name				5-1722		1 - 1
-	Maxymillian Technologies Inc.	M A 51010 0 0 0 1 8. US EPA ID Num		1	insporter's Phone		13050
	7. Transporter 2 Company Name				te Trans. ID	H13 H00	
-	9. Designated Facility Name and Site Address	10. US EPA ID Num	ber	1 1			
	GE COMPANY			F. Tra	insporter's Phone)())	
	100 WOODLAWN AVE	MAD002084	1093	G. Sta	ate Facility's ID		equired
	PITTSFIELD, MA 01201		1 1 1	H. Fa	cility's Phone (413) 4	94-3761
ſ			12. Cont	ainers	13. Total	14. Unit	I. Waste N
	11. US DOT Description (Including Proper Shipping Name, H	azard Class, and ID Number)	No.	Туре	Quantity	Wt/Vol	
ŀ	ine p (inturo 9 LINI2315 III	r		140001	ZIV	
	^a RQ, Polychlorinated Biphenyls M	ixture, 5, 0142510, 11	0.01	hT .	1100	ĸ	MAD
			001	PT	16080	2	<u>"rr</u>
G	b. 5						다. 고향우 31
E							
N E -							
٦	c.						
A T							
			 -				
1	d.						
				1 1			
r	J. Additional Descriptions for Materials Listed Above (include	e physical state and hazard code.)		K. Ha	ndling Codes for	Wastes Lister	Above
		그는 것 같은 사람이 있었다.					
ł	a PCB Soil & Debris - CH0642 c.		2°	- a.		<u>C.</u>	<u> </u>
		- 이번 - 2017 - 2			2		
	b			b. ``		d	
	15. Special Handling Instructions and Additional Information			Out o	f Service Da		
	Emergency Contact: 1-800-424-9300	PCB < 1%			51,	15°198	•
	Emergency Response Guide #171 16. GENERATOR'S CERTIFICATION: Thereby declare that the contents of		. described about 1				
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	according to applicable international and national government regul	ations.					
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	and that I have selected the practicable method of treatment, stora ment; OR, if I am a small quantity generator, I have made a good fai	th effort to minimize my waste generation a	and select the best	waste ma	nagement method t	hat is available t	o me and that
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COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street Boston, Massachusetts 02108

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COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street Boston, Massachusetts 02108

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COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street Boston, Massachusetts 02108

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COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street Boston, Massachusetts 02108

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COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street Boston, Massachusetts 02108

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COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street Boston, Massachusetts 02108

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COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS One Winter Street Boston, Massachusetts 02108

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FACILITY MAILS TO GENERATOR

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COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS **One Winter Street** Boston, Massachusetts 02108

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EPA Form 8700-22 (Rev. 9-94) Previous (COPY>3: FACILITY MAILS TO GENERATOR



COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS **One Winter Street** Boston, Massachusetts 02108

	UNIFORM HAZARDOUS 1. Generator US EPA ID N	No.	Man	ifest	2. Pag	je 1 Inf	ormation	n in the shade	d areas		
	WASTE MANIFEST	8409	3 27	37	of	a is r	not requir	red by Federa	i law.		
1	2 Generator's Name and Mailing Address							nent Number			
-	GE COMPANY				MA		<u>131</u>	5	`		
	ATTN. A. Cole 100 WOODLAWN AVE				B. State Gen. ID						
	4. Generator's Phone 1413 494-2534 PITTSFIELD, MA 01201				SAME (29-9-27)						
	5. Transporter 1 Company Name 6. US EPA ID Number				C.State Trans. ID AGT - 722						
L	Maxymillian Technologies Inc. MIA 5 0 0 0 0 0 4			67_							
	7. Transporter 2 Company Name 8. US EPA ID Number				D. Tra	nsporter's te Trans.	Phone (413 49	9-3050		
-						· · · · ·		 			
	9. Designated Facility Name and Site Address 10.	US EPA ID	Number			<u> </u>					
	GE COMPANY		~ ~ ~ ~	0.2		nsporter's te Facility		Not Re	ouired		
		D002(0040	93		ility's Pho			<u></u>		
-	PITTSFIELD, MA 01201			12. Cont		13		14.	194-376		
	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and	d ID Number)				Tot	al	Unit Wt/Vol	Waste		
L				No.	Type	Quan					
	* RQ, Polychlorinated Biphenyls Mixture, 9). UN2316	5. M			- Andrew	KIH				
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\vdash	(Marine Pollutant)			<u> </u>				ļ			
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	J. Additional Descriptions for Materials Listed Above (include physical state	and hazard code	e.j		K. Ha	ndling Cod	les for W	astes Listed	Above		
	그는 그렇게 잘 하는 것 같아요. 그는 것 같은 것을 다 없는 것을 하는 것	and hazard code	L.J		K. Ha	ndling Coo	des for W	/astes Listed	Above		
		and hazard code			K. Ha a.	ndling Coo	des for W	1.5	Above		
	PCB Soil & Debris - CH0642 c.	and hazard code			K. Ha	ndling Coo	ies for W	1.5	Above		
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FACILITY MAILS TO GENERATOR

Attachment H

BLASLAND, BOUCK & LEE, INC. engineers & scientists

Immediate Response Action Transmittal Form (Completion Statement Form, BWSC-105)

6	Massachusetts Department of Environ Bureau of Waste Site Cleanup	mental Protection	BWSC-105
	IMMEDIATE RESPONSE ACTION (IRA)		Release Tracking Number
	TRANSMITTAL FORM	40.0424 - 40.0427 (Subpart	1 - 12281
A. RE	LEASE OR THREAT OF RELEASE LOCATION?	10.0424 - 40.0427 (Oubpan	
	e Name:		
(optional Street:		cation Aid: Parcel I9-9-28	
City/To	wn: Pittsfield ZIF		
Ch	Co eck here if a Tier Classification Submittal has been provided to DEP for this R		
Ch 40	eck here if this location is Adequately Regulated, pursuant to 310 CMR .0110-0114.		
Sp	ecify Program: CERCLA HSWA Corrective Action Solid Wa	ste Management RCRA State	Program (21C Facilities)
Related Address	Release Tracking Numbers That This IRA RTN 1-12289 (7	23 East St.; Parcel I	9-9-27)
B. THIS	S FORM IS BEING USED TO: (check all that apply)		
Su	bmit an IRA Plan (complete Sections A, B, C, D, E, H, I, J and K).		
	Check here if this IRA Plan is an update or modification of a previously appr	oved written IRA Planate Submitted:	
Su	bmit an Imminent Hazard Evaluation (complete Sections A, B, C, F, H, I, J a	nd K).	
Su	bmit an IRA Status Report (complete Sections A, B, C, E, H, I, J and K).		
Su an	bmit a Request to Terminate an Active Remedial System and/or Terminate Imminent Hazard (complete Sections A, B, C, D, E, H, I, J and K).	e a Continuing Response Action(s) Taken to Address
🖌 Su	bmit an IRA Completion Statement (complete Sections A, B, C, D, E, G, H, I,	J and K).	
	You must attach all supporting documentation required for each any Legal Notices and Notices to Public Officials r	use of form indicated, including o equired by 310 CMR 40.1400.	opies of
apply) Identify apply) Den :	Media and Receptors Affected: (check all that Air Ground Wetland Storm Drain Paved Surface Private Well School Unknown Other Specify Conditions That Require IRA, Pursuant to 310 CMR 40.0412: (check all that 72 Hour Reporting Condition(s) Substantial Release Migration scribe Detection of PCBs at levels	Public Water Supply Zo	
pe	er 310 CMR 40.0321		
apply)	Oils and Hazardous Materials Released: (check all that Oils	Chlorinated Solvents	Heavy Metals
لسلاب	Others Specify: Polychlorinated Biphenyls (PCBs)		
D. DES	CRIPTION OF RESPONSE ACTIONS: (check all that apply)		
V Ass	sessment and/or Monitoring Only	Deployment of Absorbent Materials	or Containment
J Exc	cavation of Contaminated Soils	Temporary Covers or Cap	S
	Re-use, Recycling or Treatment	Bioremediation	
	On Site Off Site Est. Vol.: cubic yards	Soil Vapor Extraction	
	Describe	Structure Venting System	
	Store On Site Off Site Est. Vol.: cubic yards	Product or NAPL Recovery	
\mathbf{V}	Landfill Over Disposal Est. Vol.: 155 cubic yards	Groundwater Treatment Systems	
Rei	noval of Drums, Tanks or Containers	Air Sparging	
Des	scribe	Temporary Water Supplie	s
	SECTION D IS CONTINUED ON THE	NEXT PAGE.	
Revised	2/24/95 Supersedes Forms BWSC-005, 006, 010 Do Not Alter This Form	(in part) and 011	Page 1 of 3

Massachusetts Department of Environmental Protection Bureau of Waste Site Cleanup	BWSC-105
IMMEDIATE RESPONSE ACTION (IRA)	Release Tracking Number
DEP TRANSMITTAL FORM Pursuant to 310 CMR 40.0424 - 40.0427 (Subpart	1 - 12281
D. DESCRIPTION OF RESPONSE ACTIONS (continued):	
Removal of Other Contaminated Media Temporary Evacuation Residents	or Relocation of
Specify Type and Fencing and Sign Post	-
Other Response Actions Describe Additional soil sampling and analysis.	
Check here if this IRA involves the use of Innovative Technologies (DEP is interested in using this information to a Innovative Technologies Clearinghouse).	id in creating an
Describe Technologies:	
E. TRANSPORT OF REMEDIATION WASTE: (if Remediation Waste has been sent to an off-site facility, answ questions) Name of <u>CWM</u> Chemical Services, LLC	-
Facility: Town and Model City, NY	
State: Quantity of Remediation Waste Transported to 155 cy	
Date: F. IMMINENT HAZARD EVALUATION SUMMARY: (check one of the following)	
Based upon an evaluation, an Imminent Hazard exists in connection with this Release or Threat of Release.	4
Based upon an evaluation, an Imminent Hazard does not exist in connection with this Release or Threat of Release or Threat of	
Release. Based upon an evaluation, it is unknown whether an Imminent Hazard exists in connection with this Release or Th	reat of Release, and
further assessment activities will be undertaken.	
Based upon an evaluation, it is unknown whether an Imminent Hazard exists in connection with this Release or Th However, response actions will address those conditions that could pose an Imminent Hazard.	reat of Release.
Check here if future response actions addressing this Release or Threat of Release will be conducted as part of the planned for a Site that has already been Tier Classified under a different Release Tracking Number, or a Site that is Transition List as described in 310 CMR 40.0600 (i. e., a Transition Site, which includes Sites with approved Waive response actions must occur according to the deadlines applicable to the earlier Release Tracking Number (i. e., S	s identified on the
State Release Tracking Number (i. e., Site ID Number) of Tier Classified Site or Transition	
If any Remediation Waste will be stored, treated, managed, recycled or reused at the site following submission Statement, you must submit either a Release Abatement Measure (RAM) Plan or a Phase IV Remedy Implement appropriate transmittal form, as an attachment to the IRA Completion Statement.	n of the IRA Completion tation Plan, along with the
H. LSP OPINION:	
I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the star CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and (iii) the provisions of 309 CMR 4.03(5), to the knowledge, information and belief,	dard of care in 309
> if Section B of this form indicates that an Immediate Response Action Plan is being submitted, the response action(subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified	l 310 CMR 40.0000, (ii) provisions of M.G.L. c.
> if Section B of this form indicates that an Imminent Hazard Evaluation is being submitted, this Imminent Hazard Evaluation is being submitted, this Imminent Hazard Evaluation accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and the assessment activity(ies) u this Imminent Hazard Evaluation complies(y) with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000;	ndertaken to support
> if Section B of this form indicates that an Immediate Response Status Report is being submitted, the response actio subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable 21E and 310 CMR 40.0000 and (iii) complies(y) with the identified provisions of all orders, permits, and approvals identified	310 CMR 40.0000, (ii) provisions of M.G.L. c.
> if Section B of this form indicates that an Immediate Response Action Completion Statement or a Request to Terr Remedial System and/or Terminate a Continuing Response Action(s) Taken to Address an Imminent Hazard is b response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000 and (iii) complies(y) with the ide orders, permits, and approvals identified in this submittal.	eing submitted, the ce with the applicable f such response
SECTION H IS CONTINUED ON THE NEXT PAGE.	
Revised 2/24/95 Supersedes Forms BWSC-005, 006, 010 (in part) and 011	Page 2 of 3

	Massachusetts Depa Bureau of Waste Site		ironmental Protection	BWSC-105
		croundp		Release Tracking Number
	IMMEDIATE RESPON			1 - 12201
		M Pursuant to 310 C	CMR 40.0424 - 40.0427 (Subpart D)	1 - 12281
H. LSP Opinion (c	·	but not limited to possib	le fines and imprisonment, if I submit infor	mation which I know to be fals
inaccurate or material		but not sinited to, poton		
X Check here if the DEP or EPA. If	e Response Action(s) on which this o the box is checked, you MUST attac	opinion is based, if any, a h a statement identifying	re (were) subject to any order(s), permit(s) the applicable provisions thereof) and/or approval(s) issued by
	es M. Nuss, P.E.			ati Marina Sanatari
Telephone: (315) 446-9120	Ext.:		
FAX: (optional) (3	15) 446-7485		میں اور	
	mesMMm		n an	
· ++				
Date: Apr	ril 14, 1999			
I. PERSON UNDE		0000000		
-	General Electric C			
			Title: Remediation Project	Manager
	Woodlawn Avenue			
City/Town: Pitts	field		State: MA ZIP Code: 0	1201
Telephone: (413) 494-2176	Ext.:	FAX: (optional) (413) 494-2	2700
	ere has been a change in the person	-		
	P TO RELEASE OR THREAT C	-	RSON UNDERTAKING IRA: (cl	heck one)
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