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Transmitted Via Overnight Delivery

April 24, 2008

Ms. Susan Svirsky
U.S. Environmental Protection Agency
c/o Weston Solutions, Inc.
10 Lyman Street
Pittsfield, MA 01201

Re: GE-Pittsfield/Housatonic River Site
Unkamet Brook Area (GECD170)
Second Supplement to the Pre-Design Investigation Report for Unkamet Brook Area Removal Action

Dear Ms. Svirsky:

On July 27, 2007, the General Electric Company (GE) submitted a document to the United States Environmental Protection Agency (EPA) titled *Supplement to the Pre-Design Investigation Report for Unkamet Brook Area Removal Action* (PDI Supplement). The PDI Supplement was developed in accordance with a February 22, 2007 letter from EPA to GE conditionally approving the following documents in relation to the Unkamet Brook Removal Action Area (RAA): *Pre-Design Investigation Report for Unkamet Brook* (PDI Report; September 2005); an August 15, 2005 letter from GE to EPA regarding the exclusion of Parcel L12-1-2 and adjacent portion of Merrill Road right of way from the Unkamet Brook Area; and a November 7, 2006 letter from GE to EPA regarding a proposal for initial flow monitoring within the portion of Unkamet Brook subject to future re-routing activities. The PDI Supplement included the following: 1) a discussion regarding the administrative division of the Unkamet Brook Area into Unkamet Brook–West and Unkamet Brook–Remainder in accordance with EPA's February 22, 2007 letter; 2) a summary of supplemental investigation results previously proposed in the PDI Report; 3) proposed additional supplemental investigations to further assess the presence of polychlorinated biphenyls (PCBs) in certain areas; 4) figures showing PCB concentrations within areas formerly referred to as the North and East Areas on a depth-specific basis; and 5) a proposed schedule for submitting Conceptual Remedial Design/Remedial Action (RD/RA) Work Plans for Unkamet Brook -West and Unkamet Brook -Remainder. EPA conditionally approved the PDI Supplement in a letter to GE dated March 26, 2008. That letter indicated that Conditions 2, 3, and 4 specified therein should be addressed by GE in a Second Supplement to the PDI Report.

Accordingly, GE has prepared this *Second Supplement to the Pre-Design Investigation Report for Unkamet Brook Area Removal Action* (Second Supplement) in response to the above referenced March 26, 2008 EPA conditional approval letter. In addition to responding to the conditions specified in that letter, this document summarizes the results of additional supplemental PCB investigations conducted by GE within the southernmost portion of the Unkamet Brook Area and proposes additional activities to be performed in that area.

A. Responses to EPA Conditions 2, 3, and 4 Provided in March 26, 2008 Letter

EPA Condition 2 – *A site walk to determine the extent of paved areas and areas of degraded pavement was conducted on August 1, 2007 by EPA and their consultant and GE's consultant. Three figures are attached that indicate EPA's classification of the condition of the pavement in certain areas following the site walk. The figures classify the Removal Action Area ("RAA") into three separate categories: (i) "Unpaved," (ii) "Degraded Pavement," or (iii) "Paved." In the Second Supplement (described below), GE shall submit (a) revised figures for the entire RAA that clearly identify the areas that have been or will be characterized as unpaved, the areas that have been or will be characterized as paved, and the areas that have not been characterized, including existing buildings and building foundations, (b) an evaluation showing how the unpaved and paved areas on the non-GE-owned properties and how the non-GE-owned properties meet the characterization requirements, (c) a proposal for additional sampling as necessary to meet the applicable characterization requirements, and (d) a proposal for the restoration of degraded pavement on GE-owned property if GE elects to characterize these areas as paved, including a timeline and a figure showing all areas that will be restored. If GE elects not to restore degraded pavement on GE-owned property, then GE shall characterize such areas as unpaved and identify the areas as such in Figures.*

For non-GE-owned areas, GE shall identify paved areas, unpaved areas, and areas of degraded pavement. Although the classification of paved vs. unpaved areas in non-GE-owned properties does not affect the characterization requirements, it may affect remediation requirements. In degraded pavement areas, GE may have to repair, inspect, and maintain such pavement if GE elects to leave in place a not to exceed polygon located beneath degraded pavement.

GE Response – Figures A through C of this document identify areas that have been or will be characterized as paved and unpaved, as well as those areas that have not been characterized (i.e., buildings). Table 1 summarizes the results of the evaluation conducted by GE showing how the unpaved and paved areas on the GE-owned properties and how the non-GE-owned properties meet the characterization requirements. Please note that the pre-design sampling conducted within the Unkamet Brook Area was performed in accordance with EPA-approved documents titled *Pre-Design Investigation Work Plan for Unkamet Brook Area Removal Action* (PDI Work Plan) and *Revised Pre-Design Investigation Work Plan for Unkamet Brook Area Removal Action* (Revised PDI Work Plan). In addition, the sampling results were provided in the EPA-approved *Pre-Design Investigation Report for Unkamet Brook Area Removal Action* (PDI Report). The following activities were conducted during the development of the above-referenced figures and table:

- The sampling grids utilized during pre-design investigations were placed over the existing base mapping (not available during pre-design investigations);

- The grid locations were compared to existing sample locations to determine if any additional sampling is necessary;

- The PDI Report was reviewed to understand those instances where analytical results were not collected at a certain grid locations (e.g., samples were not collected at four grid locations within the former West area per direction from EPA; see Figure A);

- The PDI Report was reviewed to understand those instances where analytical results were not collected to the anticipated sampling depth at certain grid locations (e.g., refusal limited sampling at locations E-JJ14, E-JJ16, E-LL16, and E-LL18 within Parcel L12-2-1; see Table 1);

- The results of the pavement inspection site walk were reviewed to determine the need for additional sampling within areas previously considered paved; and

- The results of the pavement inspection site walk were also reviewed to determine areas requiring pavement maintenance/repair.

The results of these activities are summarized below. In the following points, GE references Figures 1 through 3 attached to EPA's March 26, 2008 conditional approval letter. Those figures show, in addition to areas in gray identified as "Paved' and areas in green identified as "Unpaved," certain hatched areas identified by EPA as "Degraded Pavement" (red hatching), "Unpaved" (green hatching), and "Degraded Pavement (Non-GE Owned)" (orange hatching). As pointed out in EPA's conditional approval letter, the characterization requirements for non-GE-owned properties are the same for paved and unpaved areas. Therefore, the distinction between treating such areas as paved or unpaved for purposes of remediation would be the removal of "not-to-exceed" (NTE) values in areas that had been previously deemed paved but will now be treated as unpaved.

- During pre-design activities, the westernmost portion of Parcel K11-7-2 was considered to be paved (see areas hatched in brown on Figure A attached to this report). During the recent pavement inspection site walk, these areas were observed to consist at the present time primarily of vegetation (i.e., unpaved) and degraded pavement. As a result, GE has elected to characterize these areas as unpaved. Therefore, GE proposes to conduct additional PCB and non-PCB Appendix IX+3 sampling in these areas on the same basis as the samples collected as part of the pre-design investigation. The additional sample locations are shown on attached Figure A and details regarding the proposed sampling activities are provided on Table 2.

- During pre-design activities, grid location W-T12 (located in the southernmost portion of the former West Area; Figure A attached to this report) was thought to be in a paved area. Based on a review of the existing base mapping, this location is now located within an unpaved area. As a result, GE is proposing to install a soil boring at this location, as shown on Figure A. Details regarding the proposed sampling activities are provided on Table 2.

- With regard to the areas identified by EPA as "degraded pavement" (red hatched areas on EPA figures), "degraded pavement (Not GE owned)" (orange hatched areas on EPA figures), and a "unpaved" (green hatched area only), GE proposes to conduct the following activities:

    - Repave areas designated by EPA as "degraded pavement" (red hatched area on EPA Figures 1 and 2) within GE-owned Parcels K11-7-2 and K12-9-1 (see attached Figures A and B) and continue to treat these areas as paved;

    - Repave/pave the green hatched areas identified as "unpaved" within GE-owned Parcel K12-9-1 on EPA Figure 2, and continue to treat this area as paved (with the exception of the area south of Building 51 as discussed below; see Figure B attached);

- With regard to the area designated by EPA as "unpaved" (green hatched area on EPA Figure 2) south of Building 51 at GE-owned Parcel K12-9-1 (see Figure B attached), GE proposes to treat this area as unpaved. Additional characterization sampling within this area is not required because, although a 100-foot grid node does not fall within the area (Figure B), adjacent 100-foot grid soil borings N-NN10 and N-NN12 are located on either side of this area and satisfy characterization requirements for this area on an unpaved sampling basis. Moreover, no not-to-exceed (NTE) PCB concentrations exist within the 0- to 1-foot depth increment in this area, and, therefore, no additional removal is required; and

- Remove NTE PCB concentration(s) (if present) within the "unpaved" (green hatched area on EPA Figure 3) and "degraded pavement (Non-GE-Owned)" (orange hatched area on EPA Figure 3) areas located within the former East Area (see Figure C attached) and treat these areas as unpaved. These areas already have been characterized on the same frequency as for unpaved areas, and, therefore, no additional sampling is necessary.

As further described below, the additional sampling activities proposed herein are anticipated to be conducted within 60 days upon receipt of EPA approval of this document. This proposed schedule is subject to potential weather constraints, access issues, and field conditions. Activities will be conducted in accordance with the procedures in the FSP/QAPP, and the data will be validated according to the procedures specified in Section 7.5 of the FSP/QAPP. The results of the above sampling will be presented in the Conceptual Removal Design/Removal Action Work Plan for Unkamet Brook-West.

GE anticipates conducting the above paving-related activities during the 2008 construction season.

EPA Condition 3 – *GE shall submit revised figures in the Second Supplement that accurately depict the location of all utility lines and all utility corridors in the Removal Action Area. All utility lines that have been surveyed shall be depicted on the revised figures at their surveyed locations. GE shall evaluate each utility corridor to ensure that each has been characterized pursuant to the characterization methods for utility corridors specified in Section 2.6.1.7 of the Pre-Design Investigation Report. If necessary, GE shall propose additional sampling to comply with these characterization methods for the evaluation of existing utility corridors.*

GE Response – GE has prepared figures that depict the location of all utilities in the RAA based on the results of survey activities performed by Hill Engineers Architects and Planners (Hill) on behalf of GE. In accordance with the above condition, GE has also developed utility corridors associated with the utilities identified by Hill. Utility-related information is provided in Figures D through F of this document. Please note that the data summary discussions provided in response to this condition (as well as the information provided on Figures D through F and Tables 3 through 5) generally correspond to the appropriate utility-related evaluation depths for specific properties (i.e., 1- to 6-foot depth increment for GE-owned commercial/industrial properties and non-industrial area within Parcel K12-9-1 and 0- to approximate depth of utility bedding for the remaining properties not owned by GE).

As indicated in Section 2.6.1.7 of the PDI Report, utility corridor characterization investigations conducted within GE-owned industrial areas at the Unkamet Brook Area were performed using an iterative approach. This approach was developed due to the presence of a multitude of electric and telephone lines, storm drains, water, fire protection, gas, and sewer lines that made the standard utility corridor sampling approach infeasible or excessive. The iterative approach generally included the following: 1) review of existing data to identify PCB concentrations within the 1- to 6-foot depth increment exceeding the 200 part per million (ppm) utility corridor evaluation level (if any); 2) if such concentrations were identified, an evaluation regarding the need for and scope of additional PCB sampling was conducted; and 3) if no such concentrations above 200 ppm were identified, the available data were considered sufficient and no additional PCB sampling was proposed. Locations where PCBs were detected above 200 ppm within depth increments utilized in utility evaluations are shown on Figures E and F. As further described below, no such detections were observed in the former West Area (Figure D).

Utilizing the above-referenced approach, the PDI Report indicated that analytical results associated with PCB samples collected from the applicable depth increments within the former West Area (i.e., Parcels K11-7-2, K11-7-8 and K11-7-9; Figure D) were below 200 ppm. PCB analytical results collected within the applicable utility-related depth increments and corridors within the former West Area are summarized on Table 3. Based on this data, the PDI Report concluded that further utility-related evaluations are not necessary within the former West Area. GE will re-evaluate the need for utility-related evaluations following the performance of the sampling proposed in response to Condition 2.

The PDI Report identified several PCB analytical results above 200 ppm within certain utility corridors at the former North Area. PCB analytical results collected within the applicable utility-related depth increments and corridors within the former North Area are summarized on Table 4. As shown on Figure E, GE is proposing to conduct additional PCB sampling in certain utility corridors located adjacent to Building 121 that extend south of Building 118 towards Plastics Avenue to satisfy the 100- to 150-foot soil boring spacing requirement. Once the proposed sampling activities have been completed, the Conceptual RD/RA Work Plan for Unkamet Brook–West will include a utility evaluation associated with the above-referenced corridors adjacent to Building 121. In addition, the Conceptual RD/RA Work Plan for Unkamet Brook–Remainder will include a utility evaluation associated with the sanitary sewer line extending from Dalton Avenue to Merrill Road (Figure E). As previously indicated, utility corridors where PCB concentrations were not identified above 200 ppm (see green hatching on Figure E) do not require further evaluation.

GE has utilized a similar approach to determine which utility corridors located within the former East Area require further evaluation, as well as the need for and scope of additional PCB sampling. Utility corridors where PCB concentrations were identified above 200 ppm will be subject to future evaluation and are shown in orange hatching on Figure F. PCB analytical results collected within the applicable utility-related depth increments and corridors within the former East Area are summarized on Table 5. The remaining utility corridors that do not require further evaluation are shown in green hatching. As shown on Figure F, GE is proposing to conduct additional PCB sampling activities in certain utility corridors to satisfy the 100- to 150-foot soil boring spacing requirement. Once the proposed sampling activities have been completed, the Conceptual RD/RA Work Plan for Unkamet Brook–Remainder will include utility evaluations associated with the identified corridors.

A summary of the proposed utility-related PCB sampling is provided in Table 6. Note that, pursuant to the SOW, the proposed utility-related sampling depths shown on Table 6 are 1- to 6-foot depth increment for GE-owned commercial/industrial properties and 0- to approximate depth of utility bedding for the remaining properties. GE's ability to collect these samples is dependent on access and field conditions.

Except for the additional PCB sampling proposed above and on Table 6, GE concludes that the utility corridors have been characterized pursuant to the characterization methods specified in the PDI Report and subsequent documents.

EPA Condition 4 – *GE shall submit information and data that describes the nature and extent of the surface cover within the portion of Parcel K12-9-1 depicted in attached Figure 2 as a landscaped area, prior to the covering of the area with fill. The information and data shall demonstrate and identify specific areas that were paved and unpaved, the integrity of the building slabs and paved ground cover, and the extent of characterization sampling conducted prior to the placement of fill. If any areas within the landscaped area were unpaved prior to placement of fill or if GE cannot provide sufficient information to demonstrate that certain areas were paved or were covered by building foundations that were in acceptable condition, then GE shall demonstrate that such unpaved areas meet the unpaved sampling grid requirements. If it is determined that the unpaved sampling grid requirements were not met, then GE shall propose additional sampling of such areas that meet unpaved grid and depth sampling requirements.*

In addition, GE will be required to maintain the integrity of the soil cover over areas determined to be paved/building slabs (or the underlying pavement/slabs should the soil cover be removed) for the purpose of meeting Performance Standards.

GE Response – Between March and September 2005, GE conducted demolition activities within the above-referenced landscaped area. Demolition activities were summarized in a document titled *Decommissioning and Demolition Summary Report Site No. 1* (Demolition Report; Attachment A). Pre-demolition site mapping provided in both the PDI Work Plan and Revised PDI Work Plan showed the entire area currently occupied by the landscaped area as being paved, with the exception of the northeastern portion of the area. Post-demolition site mapping provided in the PDI Report showed the entire area currently occupied by the landscaped area as being paved. As indicated above, each of these documents was approved by EPA in letters to GE. Based on a review of a pre-demolition aerial photograph (Attachment B), it has been determined that the northeastern portion of the current landscaped area was shown correctly in the PDI Work Plan and Revised PDI Work Plan. According, GE proposes to evaluate this area (shown on Figure G) during future Removal Design/Removal Action (RD/RA) activities as an unpaved area. Additional characterization sampling is not required in this area since, although a 100-foot grid node does not fall within this area, soil boring N-GG14 is located within this area (Figure G). In addition, based on: 1) a review of the aerial photographs, 2) information provided in the Demolition Report (e.g., building slabs were left in place, site photographs, etc.), and 3) previous site mapping, the remaining portion of the landscaped area will be considered paved during future RD/RA activities.

Based on a review of the project photographs provided in the Demolition Report, building slabs and pavement within the subject area also appeared to be in good overall condition prior to the placement of fill. As indicated in the Demolition Report, holes were installed within the building slabs at roughly 25-feet-on-center spacing to promote drainage. Such activities would not have been necessary if the slabs were in poor condition.

In addition, GE will maintain the integrity of the soil cover over areas within the paved/building slab areas identified on Figure G (or the underlying pavement/slabs should the soil cover be removed). Additional details on inspection and maintenance will be provided in subsequent design documents.

As indicated on Figure G, several soil sample locations are located within the landscaped area. A summary of the PCB and non-PCB analytical results associated with these locations is provided in Tables 7 and 8, respectively.

B. Additional Supplemental Investigation Results

On October 23, 2007, GE performed additional supplemental PCB soil investigations in accordance with an October 3, 2007 letter to EPA titled *Proposal for Additional Supplemental PCB Pre-Design Investigations* (Proposal). That letter was approved by EPA in a letter to GE dated October 10, 2007. Investigation activities involved the collection and analysis of three PCB soil samples from three locations to further define the extent of PCBs in the southernmost portion of the Unkamet Brook Area. Analytical results associated with PCB analyses are summarized on Table 9. Sample locations are shown on Figure C attached.

Analytical results obtained during the October 23, 2007 additional supplemental investigations, as well as the preliminary analytical results presented in the Proposal, have undergone data quality review and validation in accordance with Section 7.5 of the *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP). The results of this assessment are summarized in the data validation summary report presented in Attachment C. As discussed in that report, 100 percent of the analytical results obtained during these investigations are considered usable.

Based on a review of the PCB analytical results summarized in Table 9, in combination with prior data, GE has identified the need for additional investigations to the south of sample location E-CCCDDD27. As indicated in Table 9, PCBs were detected at this location above 2 ppm within the 0- to 1-foot depth increment (i.e., at a concentration of 170 ppm). Prior to conducting additional sampling within this area, GE needs to perform additional survey activities to further understand the exact location of the railroad tracks and related structures located to the south of the RAA. In accordance with the access agreement between GE and CSX Transportation, Inc. (CSX), GE is not permitted to access the area 25-feet from the centerline of the railroad tracks without express, prior approval from CSX. The approximate area subject to future survey activities is shown on Figure B. GE is currently scheduling the survey activities and coordinating access to the subject area with CSX. Once the survey activities have been completed, GE will propose additional sampling within the subject area in a sampling proposal submitted to EPA for approval. GE anticipates submitting the sampling proposal to EPA within three weeks of receiving the survey data.

C. Schedule for Submitting Conceptual RD/RA Work Plans

The March 26, 2008 EPA conditional approval letter requires GE to propose, for EPA approval, deadlines for submittal of the Conceptual RD/RA Work Plans for both Unkamet Brook–West and Unkamet Brook–Remainder. Accordingly, GE proposes to submit a Conceptual RD/RA Work Plan for Unkamet Brook–West within 120 days of receipt of the analytical results associated with the sampling proposed within Parcels K11-7-2 and K12-9-1. As indicated above, the additional sampling activities proposed herein are anticipated to be conducted within 60 days upon receipt of EPA approval of this document (subject to potential weather constraints, access issues, and field conditions). The schedule associated with the Conceptual RD/RA Work Plan for Unkamet Brook Area –West is contingent upon the need for additional sampling based on the results of the sampling proposed herein. GE proposes to submit a Conceptual RD/RA Work Plan for Unkamet Brook–Remainder within 360 days of definition of the southernmost RAA boundary. This schedule is contingent upon many factors, including but not limited to: receipt of property access, upcoming investigation results, the results of flow modeling activities, and the need for follow-up investigations.

Please call me if you have any questions or comments regarding this supplement.

Sincerely,

Richard W. Gates/ACC

Richard W. Gates
Remediation Project Manager

Attachments

cc: Dean Tagliaferro, EPA
Rose Howell, EPA*
Holly Inglis, EPA
Tim Conway, EPA
John Kilborn, EPA
K.C. Mitkevicius, USACE
Susan Steenstrup, MDEP (2 copies)
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Michael Carroll, GE*
Rod McLaren, GE*
James Nuss, ARCADIS
James Bieke, Goodwin Procter LLP
Andrew Hogeland, SABIC
Steven Deloye, GE (CP/SO)
Dennis Arseneau, GE (CP/SO)
John Wood, SABIC*
Scott LeBeau, General Dynamics
Larry Salvatore, Massachusetts Department of Highways
Bruce Collingwood, City of Pittsfield Public Works
Jeff Gardner, Berkshire Community College
Kevin Boland, CSX Transportation
Cheryl Grosso, United States Navy
Property Owner – Parcel K11-7-8
Property Owner – Parcel L11-4-112
Property Owner – Parcel L12-1-2
Property Owner – Parcel L12-1-4
Property Owner – Parcel L12-1-5
Property Owner – Parcel L12-1-101
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Tables

TABLE 1
RESULTS OF PROPERTY-BY-PROPERTY SOIL CHARACTERIZATION EVALUATION

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Parcel/ Evaluation Area	Parcel Classification	Surface Cover(s)	Pre-Design Sampling Requirements	Pre-Design Sampling Requirements Currently Satisfied?	Pre-Design Sampling Requirements Satisfied Following Additional Sampling?
Former West Area - Figure 1					
K11-7-2	GE-Owned Industrial	Paved	2 borings/acre	Yes (~3 borings/acre)	--
		Unpaved	Borings on an approximate 100 foot grid	See Note 1	Yes
		Buildings	Not subject to characterization sampling.	Yes	--
K11-7-8	Residential (See Note 2)	Unpaved	Samples collected from the top foot of soil on an approximate 25-foot grid and borings collected on an approximate 50-foot grid.	Yes	--
K11-7-9	Non-GE-Owned Commercial/ Industrial	Unpaved	Samples collected from the top foot of soil on an approximate 50-foot grid and borings collected on an approximate 100-foot grid.	Yes	--
Former North Area - Figure 2					
K12-9-1 (Industrial)	GE-Owned Industrial	Paved	2 borings/acre	Yes (~4 borings/acre) (See Note 3)	--
		Unpaved	Borings on an approximate 100 foot grid	Yes	--
		Buildings	Not subject to characterization sampling.	Yes	--

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Parcel/ Evaluation Area	Parcel Classification	Surface Cover(s)	Pre-Design Sampling Requirements	Pre-Design Sampling Requirements Currently Satisfied?	Pre-Design Sampling Requirements Satisfied Following Additional Sampling?
Former North Area - Figure 2 (continued)					
K12-9-1 (Non-Industrial)	GE-Owned non-Industrial	Unpaved	Soil characterization activities within this evaluation area were conducted as described in Section 2.6.1.4 of the PDI Report and generally consisted of the following: - Within 100 feet of Unkamet Brook or the former Interior Landfill - samples collected from the top foot of soil on an approximate 50-foot grid and borings collected on an approximate 100-foot grid. - Areas beyond the 100-foot distance - samples collected from the top foot of soil on an approximate 100-foot grid and borings collected on an approximate 200-foot grid.	Yes	--

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RESULTS OF PROPERTY-BY-PROPERTY SOIL CHARACTERIZATION EVALUATION

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GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Parcel/ Evaluation Area	Parcel Classification	Surface Cover(s)	Pre-Design Sampling Requirements	Pre-Design Sampling Requirements Currently Satisfied?	Pre-Design Sampling Requirements Satisfied Following Additional Sampling?
Former North Area - Figure 2 (continued)					
K12-9-1 Inundated Wetlands	Inundated Wetland	Unpaved	Samples collected from the top foot on an approximately 25-foot grid within an area where response activities are not anticipated to occur.	Yes	--
K12-9-1 Former Interior Landfill	Not subject to soil characterization activities given the engineered barrier to be installed.				
L12-3-1	Non-GE-Owned Industrial	Unpaved	As indicated in Section 2.3 of the PDI Report, the majority of the proposed pre-design investigations for this parcel were collected on the adjacent GE-owned Parcel K12-9-1 due to property access issues and these samples will be used to evaluate Parcel L12-3-1 during future RD/RA activities.		

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SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Parcel/ Evaluation Area	Parcel Classification	Surface Cover(s)	Pre-Design Sampling Requirements	Pre-Design Sampling Requirements Currently Satisfied?	Pre-Design Sampling Requirements Satisfied Following Additional Sampling?
Former East Area - Figure 3					
L12-1-4	Non-GE-Owned Industrial	Paved	Samples collected from the top foot of soil on an approximate 50-foot grid and borings collected on an approximate 100-foot grid.	Yes	--
		Unpaved			
		Buildings	Not subject to characterization sampling.		
L12-1-5	Non-GE-Owned Industrial	Paved	Samples collected from the top foot of soil on an approximate 50-foot grid and borings collected on an approximate 100-foot grid.	Yes	--
		Unpaved			
		Buildings	Not subject to characterization sampling.		
L12-1-101	Non-GE-Owned Industrial	Paved	Samples collected from the top foot of soil on an approximate 50-foot grid and borings collected on an approximate 100-foot grid.	Yes	--
		Unpaved			
		Buildings	Not subject to characterization sampling.		

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SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Parcel/ Evaluation Area	Parcel Classification	Surface Cover(s)	Pre-Design Sampling Requirements	Pre-Design Sampling Requirements Currently Satisfied?	Pre-Design Sampling Requirements Satisfied Following Additional Sampling?
Former East Area - Figure 3 (continued)					
L11-4-112	Non-GE-Owned Industrial	Paved	Samples collected from the top foot of soil on an approximate 50-foot grid and borings collected on an approximate 100-foot grid.	Yes (See Note 4)	--
		Unpaved			
		Buildings	Not subject to characterization sampling.		
L12-2-2	Non-GE-Owned Industrial	Paved	Samples collected from the top foot of soil on an approximate 50-foot grid and borings collected on an approximate 100-foot grid.	Yes	--
		Unpaved			
		Buildings	Not subject to characterization sampling.		
L12-2-2	Non-GE-Owned Recreational	Unpaved	Samples collected from the top foot of soil on an approximate 50-foot grid and borings collected on an approximate 100-foot grid.	Yes	--
		Buildings	Not subject to characterization sampling.		

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SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Parcel/ Evaluation Area	Parcel Classification	Surface Cover(s)	Pre-Design Sampling Requirements	Pre-Design Sampling Requirements Currently Satisfied?	Pre-Design Sampling Requirements Satisfied Following Additional Sampling?
Former East Area - Figure 3 (continued)					
L12-2-1	Non-GE-Owned Recreational	Unpaved	Samples collected from the top foot of soil on an approximate 50-foot grid and borings collected on an approximate 100-foot grid.	Yes (See Note 5)	--
L11-4-11	Non-GE-Owned Recreational	Unpaved	Samples collected from the top foot of soil on an approximate 50-foot grid and borings collected on an approximate 100-foot grid.	Yes (See Note 6)	--

Notes:
1. Based on the results of pavement assessment activities, GE has elected to characterize the two areas shown on Figure 1 as unpaved. In addition, based on the results of survey activities, GE has elected to collect samples at location W-T12 (previously shown within a paved area during pre-design activities). Proposed sampling activities are summarized on Table 2 and Figure A.
2. Parcel K11-7-8 is a non-GE-owned commercial property that has been characterized as a residential property in accordance with the November 2, 2006 *Addendum to Pre-Design Investigation Report* (conditionally approved by EPA in a letter to GE dated March 8, 2006).
3. As described in the text of this document, the landscaped area identified on Figure B was characterized as paved since the building slabs and pavement were left in place following demolition activities and subsequently covered with clean materials during landscaping activities.
4. Sampling within this Parcel L11-4-112 was conducted in accordance with the Revised Work Plan. Please note that sampling at certain grid locations was not proposed (and therefore not performed) due to the presence of the railroad tracks.
5. As described in Section 2.6.1.1 of the Revised Work Plan, subsurface sampling was not conducted at locations E-JJ14, E-JJ16, E-LL16, and E-LL18 due to refusal.
6. As described in Section 2.6.1.1 of the Revised Work Plan, subsurface sampling was not conducted at location E-PP22 due to refusal.

TABLE 2
PROPOSED SAMPLING TO MEET UNPAVED CHARACTERIZATION REQUIREMENTS - FORMER WEST AREA

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT
FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Sample ID	Depth (Feet)	ANALYSES (See Note 2)				
		PCBs	VOCs	SVOCs	INORGANICS	PCDDs/PCDFs
Parcel K11-7-2						
W-G5	0-1	X	X	X	X	X
	1-6	X	X	X	X	X
	6-15	X	--	--	--	--
W-H3	0-1	X	--	--	--	--
	1-6	X	X	X	X	X
	6-15	X	--	--	--	--
W-H5	0-1	X	--	--	--	--
	1-6	X	--	--	--	--
	6-15	X	--	--	--	--
W-H6	0-1	X	X	X	X	X
	1-6	X	--	--	--	--
	6-15	X	X	X	X	X
W-I3	0-1	X	--	--	--	--
	1-6	X	--	--	--	--
	6-15	X	--	--	--	--
W-I4	0-1	X	X	X	X	X
	1-6	X	X	X	X	X
	6-15	X	--	--	--	--
W-I5	0-1	X	--	--	--	--
	1-6	X	--	--	--	--
	6-15	X	--	--	--	--
W-I6	0-1	X	--	--	--	--
	1-6	X	--	--	--	--
	6-15	X	--	--	--	--
W-J2	0-1	X	X	X	X	X
	1-6	X	--	--	--	--
	6-15	X	X	X	X	X
W-J3	0-1	X	--	--	--	--
	1-6	X	--	--	--	--
	6-15	X	--	--	--	--
W-J5	0-1	X	--	--	--	--
	1-6	X	X	X	X	X
	6-15	X	--	--	--	--
W-M7	0-1	X	X	X	X	X
	1-6	X	--	--	--	--
	6-15	X	X	X	X	X
W-N8	0-1	X	--	--	--	--
	1-6	X	X	X	X	X
	6-15	X	--	--	--	--
W-P8	0-1	X	X	X	X	X
	1-6	X	--	--	--	--
	6-15	X	--	--	--	--
W-T12	0-1	X	X	X	X	X
	1-6	X	--	--	--	--
	6-15	X	--	--	--	--

Notes:
1. Proposed sample locations are shown on Figure A.
2. The Appendix IX+3 sample depth intervals shown above may be modified in the field based on the results of photoionization detector (PID) readings and visual observations at the time of sample collection.

TABLE 3
SOIL SAMPLING DATA UTILIZED FOR EVALUATIONS OF PCBS WITHIN UTILITY CORRIDORS FOR FORMER WEST AREA

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RF-14	0-2	6/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.060) v	ND(0.050)	ND(0.060)
	2-4	6/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	4-6	6/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.090	0.060	0.15
RAA10-W-B17	1-6	9/3/2003	ND(0.036) J [ND(0.035) J]	ND(0.036) J [ND(0.035) J]	ND(0.036) J [ND(0.035) J]	ND(0.036) J [ND(0.035) J]	ND(0.036) J [ND(0.035) J]	ND(0.036) J [ND(0.035) J]	ND(0.036) J [ND(0.035) J]	ND(0.036) J [ND(0.035) J]
RAA10-W-B19	1-6	9/30/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-W-C13	1-6	9/3/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-C15	1-6	9/2/2003	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
RAA10-W-C18	1-6	9/3/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-C19	1-6	9/25/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-W-D12	1-6	8/12/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-W-D20	1-6	9/30/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-W-E9	1-6	5/30/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-E10	1-6	8/12/2003	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]
RAA10-W-E13	1-6	8/19/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-E19	1-6	5/30/2003	ND(0.018) [ND(0.018)]	ND(0.018) [ND(0.018)]	ND(0.018) [ND(0.018)]	ND(0.018) [ND(0.018)]	ND(0.018) [ND(0.018)]	ND(0.018) [ND(0.018)]	ND(0.018) [ND(0.018)]	ND(0.018) [ND(0.018)]
RAA10-W-E20	1-6	6/2/2003	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)	ND(0.019)
RAA10-W-F9	1-6	5/30/2003	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)	ND(0.018)
RAA10-W-F13	1-6	5/28/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-F20	1-6	5/29/2003	ND(0.036) J	ND(0.036) J	ND(0.036) J	ND(0.036) J	ND(0.036) J	ND(0.036) J	ND(0.036) J	ND(0.036) J
RAA10-W-G9	1-6	8/13/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-W-G15	1-6	6/2/2003	ND(0.017)	ND(0.017)	ND(0.017)	ND(0.017)	ND(0.017)	ND(0.017)	ND(0.017)	ND(0.017)
RAA10-W-G20	1-6	9/24/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-W-G21	1-6	9/24/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-W-H10	1-6	8/13/2003	ND(0.019)	ND(0.024)	ND(0.019)	ND(0.012)	ND(0.012)	ND(0.012)	ND(0.019)	ND(0.024)
RAA10-W-H15	1-6	5/28/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.050 P	0.050
RAA10-W-I2	1-6	3/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.016 J	0.016 J
RAA10-W-I10	1-6	8/19/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-I17	1-6	8/20/2003	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)	ND(0.032)
RAA10-W-I22	1-6	9/25/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-W-J11	1-6	8/19/2003	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
RAA10-W-J17	1-6	8/20/2003	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
RAA10-W-J20	1-6	8/26/2003	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
RAA10-W-J21	1-6	8/26/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.069 P	0.069
RAA10-W-K11	1-6	8/19/2003	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]	ND(0.035) [ND(0.037)]
RAA10-W-K17	1-6	8/20/2003	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)	ND(0.033)
RAA10-W-K18	1-6	8/25/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.058 P	0.058
RAA10-W-K19	1-6	8/25/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.021 JP	0.021 J
RAA10-W-K21	1-6	10/1/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-W-L12	1-6	8/18/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-L18	1-6	9/22/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-L19	1-6	9/23/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-W-L20	1-6	10/1/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-W-M12	1-6	8/18/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-W-M13	1-6	8/18/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-W-M15	1-6	8/18/2003	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-W-M17	1-6	9/23/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	1.0	1.0
RAA10-W-P9	1-6	3/10/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-W-Q14.5*	0-1	3/7/2007	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.034 J	0.11	0.144

TABLE 3
SOIL SAMPLING DATA UTILIZED FOR EVALUATIONS OF PCBS WITHIN UTILITY CORRIDORS FOR FORMER WEST AREA

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-W-Q15*	0-1	3/26/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.12	0.19	0.31
	1-3	3/12/2007	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.37	ND(0.035)	0.37
	3-6	3/12/2007	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	2.1	ND(0.35)	2.1
	6-15	3/12/2007	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	1.5	ND(0.34)	1.5
RAA10-W-Q15.5*	0-1	3/7/2007	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.076	0.22	0.296
RAA10-W-QR15*	0-1	3/7/2007	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.047	0.047
RAA10-W-QR15.5*	0-1	3/7/2007	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.017 J	0.017 J
RAA10-W-R15*	0-1	3/26/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.13	0.13
	1-3	3/26/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
	3-6	3/26/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
	6-15	3/26/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
SB-1	0-2	8/9/1994	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
	2-4	8/9/1994	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)	ND(1.1)
	4-6	8/9/1994	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
SB-2	0-2	8/9/1994	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
	2-4	8/9/1994	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
	4-6	8/9/1994	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
UB-MW-5	0-2	10/30/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.17	0.17
	2-4	10/30/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	1.2	1.2
	4-6	10/30/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.15 P	0.15
UB-MW-8	0-2	8/3/1996	ND(0.038)	ND(0.076)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.18	0.18
	2-4	8/3/1996	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.012 J	0.012 J
	4-6	8/3/1996	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.077)

Notes:

1. Samples were collected by ARCADIS, and were submitted to CompuChem Environmental Corporation, IT Analytical Services, Quanterra Environmental Services, Inc. and SGS Environmental Services, Inc. for analysis of PCBs.
2. Samples collected after 01/01/2003 have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
4. Field duplicate sample results are presented in brackets.
5. * = All PCB data within the 0- to 15-foot depth increment is shown for sample locations wihtin Parcel K11-7-8 (evaluated as a residential property) and the adjacent Merrill Road right of way. PCB data from the 1- to 6-foot depth increment is shown for all other sample locations.

Data Qualifiers:

J - Indicates that the associated numerical value is an estimated concentration.
P - Greater than 25% difference between primary and confirmation column.
v - Indicates an elevated detection limit due to chemical interference.

TABLE 4
SOIL SAMPLING DATA UTILIZED FOR EVALUATIONS OF PCBS WITHIN UTILITY CORRIDORS FOR FORMER NORTH AREA

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
39D	0-2	1/24/1991	ND(0.060)	NA	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.13)	3.1	3.1
	2-4	1/24/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
	4-6	1/24/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
51-1-C1	0-2	5/31/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	1.4	1.4
51-1-C2	0-2	5/31/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.090)	2.9	2.9
51-1-C3	0-2	5/31/1989	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.070	0.070
51G-01	1-6	8/27/2002	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.049	0.057	0.106
60G-01	1-6	8/27/2002	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.064	0.064
60G-02	1-6	8/27/2002	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.53	0.53
120W-11	0-2	8/21/1989	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	6.3	6.3
	2-4	8/21/1989	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)
	4-6	8/21/1989	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)
BA-1	0.5-2	8/13/1996	ND(2.4)	ND(4.9)	ND(2.4)	110	ND(2.4)	ND(2.4)	92 P	202
	2-4	8/13/1996	ND(2.7)	ND(5.5)	ND(2.7)	ND(2.7)	ND(2.7)	ND(2.7)	730	730
	4-6	8/13/1996	ND(0.68)	ND(1.4)	ND(0.68)	ND(0.68)	ND(0.68)	ND(0.68)	3.2 P	3.2
BA-2	0.5-2	8/13/1996	ND(0.042)	ND(0.085)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.083 JP	0.083 J
	2-4	8/13/1996	ND(0.043)	ND(0.087)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.55 P	0.55
	4-5	8/13/1996	ND(0.046)	ND(0.093)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	0.038 P	0.038
	5-6	8/13/1996	ND(0.73) [ND(0.43)]	ND(1.5) [ND(0.88)]	ND(0.73) [ND(0.43)]	ND(0.73) [ND(0.43)]	ND(0.73) [ND(0.43)]	ND(0.73) [ND(0.43)]	ND(0.73) [ND(0.43)]	ND(0.73) [ND(0.43)]
L-38	0-2	5/12/1993	NA	NA	NA	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(1.0)
	2-4	5/12/1993	NA	NA	NA	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(1.0)
	4-6	5/12/1993	NA	NA	NA	ND(1.0)	NA	ND(1.0)	ND(1.0)	ND(1.0)
MG-01	1-6	8/29/2002	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
MG-02	1-6	8/29/2002	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.037	0.037
RAA10-N-AA2	1-6	10/29/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.023 J	0.026 J	0.049 J
RAA10-N-AA5	1-6	11/17/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-N-AA6	1-6	11/11/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-N-AA7	1-6	11/14/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.056	0.017 J	0.073
RAA10-N-AA10	1-6	10/24/2003	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	0.26 [0.19]	0.18 [0.20]	0.44 [0.39]
RAA10-N-AA12	1-6	10/23/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.21	ND(0.037)	0.21
RAA10-N-AA14	1-6	10/2/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.30	ND(0.037)	0.30
RAA10-N-AA19	1-6	2/21/2005	ND(43)	ND(43)	ND(43)	ND(43)	ND(43)	ND(43)	1700	1700
RAA10-N-BB21	1-6	2/22/2005	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	5.7	3.8	9.5
RAA10-N-BB24	1-3	5/11/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	1.3	1.5	2.8
	3-6	5/11/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.55	0.52	1.07
RAA10-N-BBCC23.5	1-3	5/11/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.068	0.11	0.178
	3-6	5/11/2004	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	ND(0.060)	0.086	0.075	0.161
RAA10-N-CC3	1-6	10/29/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.032 J	ND(0.036)	0.032 J
RAA10-N-CC4	1-6	10/28/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.036 J	0.036 J
RAA10-N-CC8	1-6	10/24/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.026 J	0.029 J	0.055 J
RAA10-N-CC10	1-6	11/17/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.038 J	0.038 J
RAA10-N-CC12	1-6	3/3/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-N-CC14	1-6	10/23/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.26	ND(0.037)	0.26
RAA10-N-CC18	1-6	2/21/2005	ND(2100) [ND(2100)]	ND(2100) [ND(2100)]	ND(2100) [ND(2100)]	ND(2100) [ND(2100)]	ND(2100) [ND(2100)]	28000 [19000]	ND(2100) [ND(2100)]	28000 [19000]
RAA10-N-DD26	1-3	3/29/2004	ND(0.038) J	ND(0.038) J	ND(0.038) J	ND(0.038) J	ND(0.038) J	ND(0.038) J	ND(0.038) J	ND(0.038) J
	3-6	3/29/2004	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	ND(0.065)	0.30	0.24	0.54
RAA10-N-EE3	1-6	10/29/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-N-EE4	1-6	10/28/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-N-EE5	1-6	10/28/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.059	0.018 J	0.077
RAA10-N-EE7	1-3	11/12/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.060	0.20	0.083	0.343
RAA10-N-EE8	1-6	10/24/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.11	ND(0.037)	0.11
RAA10-N-EE10	1-6	10/24/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.076	0.039	0.115
RAA10-N-EE14	1-6	11/10/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-N-GG4	1-6	10/28/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.060	ND(0.036)	0.060

TABLE 4
SOIL SAMPLING DATA UTILIZED FOR EVALUATIONS OF PCBS WITHIN UTILITY CORRIDORS FOR FORMER NORTH AREA

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-N-GG6	1-3	11/12/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.61	0.38	0.31	1.3
RAA10-N-GG7	1-3	11/12/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	1.3	ND(0.038)	0.11	1.41
RAA10-N-GG18	1-6	10/14/2003	ND(0.20)	ND(0.20)	ND(0.20)	2.4	ND(0.20)	2.0	0.90	5.3
RAA10-N-GG26	1-3	3/29/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.039	ND(0.034)	0.039
	3-6	3/29/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-N-II5	1-6	10/28/2003	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.036	0.036
RAA10-N-II7	1-6	10/17/2003	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	0.18 [0.18]	0.18 [0.18]
RAA10-N-II8	1-6	10/9/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.40	0.19	0.59
RAA10-N-II10	1-6	10/17/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.012 J	0.012 J
RAA10-N-II20	1-6	10/14/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-N-II24	1-6	10/20/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-N-JJ6	1-6	10/17/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-N-JJ10	1-6	10/17/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.48	0.48
RAA10-N-JJ22	1-6	10/16/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.11	0.19	0.30
RAA10-N-K8	1-3	11/13/2003	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	3.4	4.8	8.2
	3-6	11/13/2003	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	7.5	7.5
RAA10-N-KK5	1-6	10/23/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.029 J	0.029 J
RAA10-N-KK10	1-6	10/8/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-N-KK16	1-6	10/3/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-N-KK22	1-6	10/20/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.084	0.084
RAA10-N-LL6	1-6	10/31/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-N-LL12	1-6	10/7/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.041	ND(0.036)	0.041
RAA10-N-M9	1-3	2/28/2005	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	5.5	5.5
	3-6	2/28/2005	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	69	69
RAA10-N-MM6	1-6	10/23/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.14	0.14
RAA10-N-MM12	1-6	10/7/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-N-MM18	1-6	10/31/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.032 J	ND(0.038)	0.032 J
RAA10-N-N10	1-3	11/13/2003	ND(2.1) J	ND(2.1) J	ND(2.1) J	ND(2.1) J	ND(2.1) J	ND(2.1) J	30 J	30 J
	3-6	11/13/2003	ND(11) J	ND(11) J	ND(11) J	ND(11) J	ND(11) J	ND(11) J	360 J	360 J
RAA10-N-NN7	1-6	10/31/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-N-NN10	1-6	10/9/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-N-NN12	1-6	10/7/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-N-NN14	1-6	10/7/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.064	0.047	0.111
RAA10-N-NN18	1-6	10/20/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.20	0.20
RAA10-N-OO7	1-6	10/22/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.031 J	0.031 J
RAA10-N-OO8	1-6	10/16/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-N-OO16	1-6	10/22/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-N-PP8	1-6	10/16/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-N-QQ8	1-6	10/22/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-N-QQ12	1-6	10/22/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.011 J	0.011 J
RAA10-N-S7	1-6	3/3/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.16	0.16
RAA10-N-U5	1-6	10/30/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.020 J	0.016 J	0.036 J
RAA10-N-U7	1-6	3/3/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	1.4	1.3	2.7
RAA10-N-W1	1-6	3/1/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.010 J	0.016 J	0.026 J
RAA10-N-W3	1-6	10/30/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-N-W4	1-6	10/30/2003	ND(0.038) [ND(0.039)]	ND(0.038) [ND(0.039)]	ND(0.038) [ND(0.039)]	ND(0.038) [ND(0.039)]	ND(0.038) [ND(0.039)]	ND(0.038) [0.019 J]	0.023 J [0.026 J]	0.023 J [0.045 J]
RAA10-N-W5	1-6	10/30/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.036 J	0.061	0.097
RAA10-N-W7	1-6	3/3/2004	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	0.12	0.11	0.23
RAA10-N-X19	1-6	2/22/2005	ND(4.2)	ND(4.2)	ND(4.2)	ND(4.2)	ND(4.2)	7.8	15	22.8
RAA10-N-Y3	1-6	10/29/2003	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-N-Y6	1-6	11/11/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-N-Y7	1-6	11/12/2003	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.10	0.12	0.22
RAA10-N-Y20	1-3	5/12/2004	ND(4.2)	ND(4.2)	ND(4.2)	ND(4.2)	ND(4.2)	26	24	50
	3-6	5/12/2004	ND(0.41)	ND(0.41)	ND(0.41)	ND(0.41)	ND(0.41)	7.0	7.9	14.9

TABLE 4
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SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-N-Z20.5	1-3	5/12/2004	ND(19)	ND(19)	ND(19)	ND(19)	ND(19)	ND(19)	62	62
	3-6	5/12/2004	ND(21)	ND(21)	ND(21)	ND(21)	ND(21)	ND(21)	38	38
Trench E	0.5-1.5	11/22/1985	ND(0.040)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)
UB-MW-9	0-2	8/9/1996	ND(0.035)	ND(0.070)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.022 J	0.022 J
	2-4	8/9/1996	ND(0.034)	ND(0.070)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.070)
	4-6	8/9/1996	ND(0.034)	ND(0.070)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.026 J	0.026 J
UB-MW-10	0-2	8/9/1996	ND(0.038)	ND(0.078)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	2.2 P	2.2
	2-4	8/9/1996	ND(0.035)	ND(0.070)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.16 P	0.16
	4-6	8/9/1996	ND(0.035)	ND(0.070)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.75	0.75
UB-SB-1	0-2	7/30/1996	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	2.4 P	2.4
	2-4	7/30/1996	ND(0.037)	ND(0.075)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.029 P	0.029
	4-6	7/30/1996	ND(0.040)	ND(0.081)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.016 JP	0.016 J
UB-SB-2	2-4	8/9/1996	ND(0.037)	ND(0.076)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.080	0.080
	4-6	8/9/1996	ND(0.80)	ND(1.6)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(0.80)	ND(1.6)
UB-SB-3	0-2	8/9/1996	ND(0.72)	ND(1.5)	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	8.4	8.4
	2-4	8/9/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	2.3	2.3
	4-6	8/9/1996	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.077)
UB-SB-9	0-2	12/16/1997	ND(0.18)	ND(0.36)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	1.0	1.0
	2-4	12/16/1997	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.25 P	0.25
	4-6	12/16/1997	ND(0.038)	ND(0.076)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	4.7 P	4.7
UB-SB-10	0-2	8/9/1996	ND(0.037)	ND(0.074)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.020 JP	0.020 J
	2-4	8/9/1996	ND(0.18)	ND(0.36)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.36)
	4-6	8/9/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.033 P	0.033
UB-SB-12	0-2	7/30/1996	ND(0.035)	ND(0.070)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.85	0.85
	2-4	7/30/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.074)
	4-6	7/30/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.074)
UB-SB-14	0.5-2	12/16/1997	NR	NR	NR	NR	NR	NR	NR	0.20
	2-4	8/7/1996	ND(0.36)	ND(0.73)	ND(0.36)	ND(0.36)	ND(0.36)	ND(0.36)	0.96 P	0.96
	4-6	8/7/1996	ND(0.036)	ND(0.073)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.19	0.19
UB-SB-15	2-4	8/9/1996	ND(0.034)	ND(0.070)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.025 P	0.025
	4-6	8/9/1996	ND(0.18)	ND(0.37)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.37)
UB-SB-18	0.5-2	12/16/1997	NR	NR	NR	NR	NR	NR	NR	3.2
UB-SB-19	0-2	12/16/1997	NR [NR]	NR [NR]	NR [NR]	NR [NR]	NR [NR]	NR [NR]	NR [NR]	0.47 [0.36]
	2-4	12/16/1997	NR	NR	NR	NR	NR	NR	NR	0.55
	4-6	12/16/1997	NR	NR	NR	NR	NR	NR	NR	2.51

Notes:

1. Samples were collected by ARCADIS, and were submitted to CompuChem Environmental Corporation, IT Analytical Services and SGS Environmental Services, Inc. for analysis of PCBs.
2. Samples collected after 01/01/2002 have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
5. NR - Not Reported. Total PCB data was entered from summary data tables and not the laboratory report form.
6. Field duplicate sample results are presented in brackets.
7. All PCB data within the 1- to 6-foot depth increment is shown for all sample locations.

Data Qualifiers:

J - Indicates that the associated numerical value is an estimated concentration.
P - Greater than 25% difference between primary and confirmation column.

TABLE 5
SOIL SAMPLING DATA UTILIZED FOR EVALUATIONS OF PCBS WITHIN UTILITY CORRIDORS FOR FORMER EAST AREA

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
L-39	0-2	5/12/1993	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	2-4	5/12/1993	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	4-6	5/12/1993	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	6-8	5/12/1993	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.0	1.0	3.0
	8-10	5/17/1993	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
	10-12	5/17/1993	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
RAA10-E-A21	0-1	5/20/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-E-AA6	0-1	10/13/2004	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	ND(1.8)	25	25
RAA10-E-AA14	0-1	2/22/2005	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	ND(0.054)	1.8	1.4	3.2
RAA10-E-AAA22	0-1	1/12/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.038 J	0.038 J
RAA10-E-AAA27	0-1	7/15/2004	ND(19)	ND(19)	ND(19)	ND(19)	ND(19)	140	ND(19)	140
RAA10-E-AAABBB27	0-1	6/8/2007	ND(42)	ND(42)	ND(42)	ND(42)	ND(42)	100	ND(42)	100
RAA10-E-B21	0-1	5/20/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.17	0.22	0.39
RAA10-E-BB5	0-1	2/17/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.098	0.20	0.298
RAA10-E-BB14	0-1	2/22/2005	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	ND(0.98)	40	ND(0.98)	40
	1-3	2/22/2005	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	350	ND(20)	350
	3-6	2/22/2005	ND(22)	ND(22)	ND(22)	ND(22)	ND(22)	280	ND(22)	280
	6-15	2/22/2005	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.29	ND(0.049)	0.29
RAA10-E-BBB23	0-1	1/12/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.027 J	0.058	0.085
RAA10-E-BBB24	0-1	1/12/2005	ND(0.044) [ND(0.045)]	ND(0.044) [ND(0.045)]	ND(0.044) [ND(0.045)]	ND(0.044) [ND(0.045)]	ND(0.044) [ND(0.045)]	0.49 [0.80]	0.30 [0.44]	0.79 [1.24]
	1-3	1/12/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.043	0.13	0.173
	3-6	1/12/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	6-15	1/12/2005	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
RAA10-E-BBB25	0-1	1/12/2005	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	ND(0.43)	5.1	1.4	6.5
RAA10-E-BBB27	0-1	8/30/2007	ND(3.5) [ND(3.5)]	ND(3.5) [ND(3.5)]	ND(3.5) [ND(3.5)]	ND(3.5) [ND(3.5)]	ND(3.5) [ND(3.5)]	49 [45]	7.5 [5.6]	56.5 [50.6]
RAA10-E-BBBCCC25	0-1	6/8/2007	ND(0.077)	ND(0.077)	ND(0.077)	ND(0.077)	ND(0.077)	0.81	0.52	1.33
RAA10-E-BBBCCC27	0-1	10/23/2007	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	2.8	1.8	4.6
RAA10-E-C20	0-1	5/20/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-E-CC4	0-1	10/19/2004	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	6.1	15	21.1
RAA10-E-CC5	0-1	10/19/2004	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	1.3	3.4	4.7
RAA10-E-CC14	0-1	2/22/2005	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	4.6	1.4	6.0
RAA10-E-CCC27	0-1	10/23/2007	ND(38)	ND(38)	ND(38)	ND(38)	ND(38)	250	ND(38)	250
RAA10-E-CCCDDD27	0-1	10/23/2007	ND(39)	ND(39)	ND(39)	ND(39)	ND(39)	170	ND(39)	170
RAA10-E-DD4	0-1	2/15/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.81	1.8	2.61
	1-3	2/15/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.39	0.96	1.35
	3-6	2/15/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.19	0.23	0.42
	6-15	2/15/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-E-E19	0-1	5/19/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.058	0.094	0.152
RAA10-E-EE3	0-1	2/17/2005	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	0.48	0.89	1.37
RAA10-E-EE4	0-1	2/16/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.028 J	0.046	0.074
	1-3	2/16/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.027 J	0.026 J	0.053 J
	3-6	2/16/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
	6-15	2/16/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-E-EE5	0-1	2/17/2005	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.14	0.27	0.41
RAA10-E-F19	0-1	5/19/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.26	0.26	0.52
RAA10-E-G24	0-1	5/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.044	0.030 J	0.074
RAA10-E-GG13	0-1	2/22/2005	ND(0.46) [ND(0.42)]	ND(0.46) [ND(0.42)]	ND(0.46) [ND(0.42)]	ND(0.46) [ND(0.42)]	ND(0.46) [ND(0.42)]	12 J [7.0 J]	ND(0.46) [1.9]	12 [8.9]
RAA10-E-H18	0-1	5/19/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.12	0.068	0.188
	1-3	5/19/2004	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	ND(0.037) [ND(0.037)]	0.14 [0.036 J]	0.042 [ND(0.037)]	0.182 [0.036 J]
	3-6	5/19/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	0.080	ND(0.045)	0.080
	6-15	5/19/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
RAA10-E-H19	0-1	5/17/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)

TABLE 5
SOIL SAMPLING DATA UTILIZED FOR EVALUATIONS OF PCBS WITHIN UTILITY CORRIDORS FOR FORMER EAST AREA

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-E-H24	0-1	5/18/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
	1-3	5/18/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.045	0.045
	3-6	5/18/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.074	0.074
	6-15	5/18/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA10-E-H25	0-1	5/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.12	0.12
RAA10-E-I18	0-1	5/19/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.45	0.17	0.62
RAA10-E-I19	0-1	5/17/2004	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)
RAA10-E-I24	0-1	5/27/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.023 J	0.013 J	0.036 J
RAA10-E-II4	0-1	2/17/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.36	0.36
RAA10-E-J17	0-1	5/19/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.32	0.14	0.46
RAA10-E-J24	0-1	5/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-3	5/26/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	3-6	5/26/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.18	ND(0.040)	0.18
	6-15	5/26/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
RAA10-E-JJ5	0-1	2/17/2005	R	R	R	R	R	0.035 J	0.13 J	0.16 J
RAA10-E-JJ12	0-1	2/21/2005	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	ND(0.24)	6.2	2.4	8.6
	1-3	2/21/2005	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	1.9	0.77	2.67
	3-6	2/21/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.14	0.12	0.26
	6-15	2/21/2005	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)
RAA10-E-K16	0-1	5/19/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.086	0.061	0.147
RAA10-E-K23	0-1	6/1/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.044	ND(0.037)	0.044
RAA10-E-KK12	0-1	2/21/2005	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	0.88	0.70	1.58
RAA10-E-L16	0-1	5/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.15	0.15
	1-3	5/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.25	ND(0.037)	0.25
	3-6	5/18/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	1.7	0.34	2.04
	6-15	5/18/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)
RAA10-E-L23	0-1	6/1/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
RAA10-E-LL12	0-1	9/23/2004	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	ND(0.75)	4.3	2.2	6.5
	1-3	9/23/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.13	0.11	0.24
	3-6	9/23/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.10	0.14	0.24
	6-15	9/23/2004	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]	ND(0.041) [ND(0.041)]
RAA10-E-LL13	0-1	8/5/2004	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	64	ND(4.0)	64
RAA10-E-LM15.5	0-1	3/19/2007	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.052	0.076	0.128
	1-3	3/19/2007	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	ND(0.034)	0.040	0.040
	3-6	3/19/2007	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	2.0	2.0
RAA10-E-M15	0-1	5/13/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.16	0.24	0.40
RAA10-E-M16	0-1	5/13/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.13	0.18	0.31
RAA10-E-M17	0-1	5/17/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.26	0.30	0.56
RAA10-E-MM13	0-1	8/5/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	2.9	1.2	4.1
RAA10-E-N15	0-1	5/19/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	2.9	0.84	3.74
RAA10-E-N17	0-1	5/13/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
RAA10-E-N18	0-1	5/18/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.057	ND(0.036)	0.057
	1-3	5/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.28	0.048	0.328
	3-6	5/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.36	0.070	0.43
	6-15	5/18/2004	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA10-E-N19	0-1	5/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.10	0.10
RAA10-E-N20	0-1	5/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.23	0.23
	1-3	5/18/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.10	0.10
	3-6	5/18/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.13	0.13
	6-15	5/18/2004	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)	ND(0.046)

TABLE 5
SOIL SAMPLING DATA UTILIZED FOR EVALUATIONS OF PCBS WITHIN UTILITY CORRIDORS FOR FORMER EAST AREA

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-E-NN14	0-1	8/3/2004	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	170	ND(20)	170
	1-3	8/3/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.33	0.083	0.413
	3-6	8/3/2004	ND(0.038) [ND(0.039)]	ND(0.038) [ND(0.039)]	ND(0.038) [ND(0.039)]	ND(0.038) [ND(0.039)]	ND(0.038) [ND(0.039)]	0.034 J [0.033 J]	ND(0.038) [0.015 J]	0.034 J [0.048 J]
	6-15	8/3/2004	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)
RAA10-E-O14	0-1	2/24/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.40	0.17	0.57
RAA10-E-O18	0-1	5/18/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.97	0.52	1.49
RAA10-E-O19	0-1	5/13/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.24	0.24	0.48
RAA10-E-O20	0-1	5/13/2004	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	ND(0.035) [ND(0.035)]	0.027 J [0.045]	0.039 [0.12]	0.066 [0.165]
RAA10-E-OO14	0-1	8/3/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.63	0.24	0.87
RAA10-E-OO17	0-1	1/10/2005	ND(19)	ND(19)	ND(19)	ND(19)	ND(19)	240	ND(19)	240
RAA10-E-OO18	0-1	1/10/2005	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	110	ND(5.0)	110
RAA10-E-OO19	0-1	1/11/2005	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	66	ND(2.5)	66
RAA10-E-P14	0-1	2/24/2005	ND(0.77)	ND(0.77)	ND(0.77)	ND(0.77)	ND(0.77)	18	2.9	20.9
	1-3	2/24/2005	ND(40)	ND(40)	ND(40)	ND(40)	ND(40)	1300	ND(40)	1300
	3-6	2/24/2005	ND(40)	ND(40)	ND(40)	ND(40)	ND(40)	640	ND(40)	640
	6-15	2/24/2005	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	ND(0.25)	4.9	ND(0.25)	4.9
RAA10-E-P20	1-3	6/16/2004	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.39	0.91	1.3
	3-6	6/16/2004	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)
	6-15	6/16/2004	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
RAA10-E-P21	0-1	5/18/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.023 J	0.017 J	0.040 J
RAA10-E-P22	0-1	5/10/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)
	1-3	5/10/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	3-6	5/10/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
	6-15	5/10/2004	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)	ND(0.049)
RAA10-E-PP16	0-1	9/23/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.20	0.097	0.297
	1-3	9/23/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.029 J	0.038	0.067
	3-6	9/23/2004	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.020 J	0.045	0.065
	6-15	9/23/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.14	0.14
RAA10-E-PP17	0-1	1/11/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.16	0.038 J	0.198
RAA10-E-PP18	0-1	1/7/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	1.0	0.43	1.43
	1-3	1/7/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.13	0.050	0.18
	3-6	1/7/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.057	0.026 J	0.083
	6-15	1/7/2005	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)
RAA10-E-PP19	0-1	1/11/2005	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	1.1	0.48	1.58
RAA10-E-PP20	0-1	1/7/2005	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	ND(0.059)	1.3	0.83	2.13
	1-3	1/7/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.061	0.096	0.157
	3-6	1/7/2005	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)	ND(0.045)
	6-15	1/7/2005	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
RAA10-E-Q14	0-1	2/24/2005	ND(0.78)	ND(0.78)	ND(0.78)	ND(0.78)	ND(0.78)	20	ND(0.78)	20
RAA10-E-QQ19	0-1	1/11/2005	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	1.4	1.0	2.4
RAA10-E-R12	0-1	10/6/2004	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	52	8.5	60.5
	1-3	10/6/2004	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	230	ND(20)	230
	3-6	10/6/2004	ND(98)	ND(98)	ND(98)	ND(98)	ND(98)	1800	ND(98)	1800
	6-15	10/6/2004	ND(2.7)	ND(2.7)	ND(2.7)	ND(2.7)	ND(2.7)	21	ND(2.7)	21
RAA10-E-R14	0-1	2/24/2005	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	73	ND(4.0)	73
	1-3	2/24/2005	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	2.6	ND(0.20)	2.6
	3-6	2/24/2005	ND(44)	ND(44)	ND(44)	ND(44)	ND(44)	270	ND(44)	270
	6-15	2/24/2005	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.90	ND(0.050)	0.90
RAA10-E-RR19	0-1	1/17/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.55	0.74	1.29
RAA10-E-S11	0-1	10/7/2004	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	16	ND(0.72)	16
RAA10-E-S14	0-1	2/24/2005	ND(40) [ND(41)]	ND(40) [ND(41)]	ND(40) [ND(41)]	ND(40) [ND(41)]	ND(40) [ND(41)]	1200 [1200]	ND(40) [ND(41)]	1200 [1200]
RAA10-E-SS19	0-1	1/17/2005	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	2.8	0.91	3.71

TABLE 5
SOIL SAMPLING DATA UTILIZED FOR EVALUATIONS OF PCBS WITHIN UTILITY CORRIDORS FOR FORMER EAST AREA

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-E-T10	0-1	10/6/2004	ND(3.9)	ND(3.9)	ND(3.9)	ND(3.9)	ND(3.9)	140	ND(3.9)	140
	1-3	10/6/2004	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	150	35	185
	3-6	10/6/2004	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	3.8	ND(0.39)	3.8
	6-15	10/6/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.23	0.025 J	0.255
RAA10-E-T14	0-1	2/24/2005	ND(41)	ND(41)	ND(41)	ND(41)	ND(41)	1500	ND(41)	1500
	1-3	2/24/2005	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	10	ND(0.40)	10
	3-6	2/24/2005	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	ND(0.21)	3.4	ND(0.21)	3.4
	6-15	2/24/2005	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	ND(0.052)	0.58	ND(0.052)	0.58
RAA10-E-TT18	0-1	8/9/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.77	0.51	1.28
	1-3	8/9/2004	ND(0.036) [ND(0.037)]	ND(0.036) [ND(0.037)]	ND(0.036) [ND(0.037)]	ND(0.036) [ND(0.037)]	ND(0.036) [ND(0.037)]	ND(0.036) [ND(0.037)	ND(0.036) [ND(0.037)]	ND(0.036) [ND(0.037)]
	3-6	8/9/2004	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)
	6-15	8/9/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)
RAA10-E-TT19	0-1	9/23/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.80	0.80	1.6
RAA10-E-U14	0-1	2/24/2005	ND(40)	ND(40)	ND(40)	ND(40)	ND(40)	810	ND(40)	810
RAA10-E-UU19	0-1	9/23/2004	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	37	6.7	43.7
RAA10-E-V9	0-1	10/11/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	5.2	2.8	8.0
RAA10-E-V10	0-1	10/5/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	3.0	2.3	5.3
	1-3	10/5/2004	ND(18)	ND(18)	ND(18)	ND(18)	ND(18)	920	160	1080
	3-6	10/5/2004	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	ND(3.7)	94	21	115
	6-15	10/5/2004	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	ND(0.055)	1.2	0.18	1.38
RAA10-E-V11	0-1	10/11/2004	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	ND(0.19)	6.1	1.4	7.5
RAA10-E-V14	0-1	2/23/2005	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	4.6	1.4	6.0
	1-3	2/23/2005	R	R	R	R	R	1.1 J	0.57 J	1.67 J
	3-6	2/23/2005	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	ND(0.044)	0.42	ND(0.044)	0.42
	6-15	2/23/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)
RAA10-E-VV19	0-1	1/13/2005	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	1.2	0.76	1.96
RAA10-E-VV27	0-1	7/14/2004	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)	ND(0.043)
RAA10-E-W9	0-1	10/11/2004	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	1.4	2.9	4.3
RAA10-E-W10	0-1	10/11/2004	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	ND(0.034) [ND(0.034)]	0.19 [0.24]	0.053 [0.071]	0.243 [0.311]
RAA10-E-WW27	0-1	7/15/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.55	0.20	0.75
RAA10-E-WW28	0-1	7/15/2004	ND(0.040) [ND(0.040)]	ND(0.040) [ND(0.040)]	ND(0.040) [ND(0.040)]	ND(0.040) [ND(0.040)]	ND(0.040) [ND(0.040)]	0.26 [0.30]	0.10 [0.13]	0.36 [0.43]
RAA10-E-X8	0-1	10/5/2004	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	ND(1.9)	18	47	65
	1-3	10/5/2004	ND(0.36) [ND(0.18)]	ND(0.36) [ND(0.18)]	ND(0.36) [ND(0.18)]	ND(0.36) [ND(0.18)]	ND(0.36) [ND(0.18)]	5.3 J [2.6 J]	3.5 J [1.9 J]	8.8 J [4.5 J]
	3-6	10/5/2004	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.021 J	0.021 J
	6-15	10/5/2004	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-E-X9	0-1	10/11/2004	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	ND(0.73)	4.0	ND(0.73)	4.0
RAA10-E-XX18.5	0-1	6/8/2007	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	ND(0.35)	0.59	0.91	1.5
RAA10-E-XX19	0-1	1/13/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	1.1	0.92	2.02
RAA10-E-XX27	0-1	7/15/2004	ND(4.4)	ND(4.4)	ND(4.4)	ND(4.4)	ND(4.4)	29	ND(4.4)	29
RAA10-E-XX28	0-1	1/14/2005	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	ND(0.058)	0.18	0.13	0.31
	1-3	1/14/2005	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	ND(0.044) [ND(0.044)]	0.056 J [0.21 J]	0.036 J [0.12 J]	0.092 J [0.33 J]
	3-6	1/14/2005	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)	ND(0.048)
	6-10	1/14/2005	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)	ND(0.063)
RAA10-E-Y7	0-1	10/12/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.20	0.20
RAA10-E-Y14	0-1	2/23/2005	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	48	ND(2.0)	48
RAA10-E-YY20	0-1	1/13/2005	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	ND(0.041)	0.12	0.36	0.48
RAA10-E-YY27	0-1	7/15/2004	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	ND(3.8)	26	ND(3.8)	26
RAA10-E-Z6	0-1	10/13/2004	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)]	ND(0.036) [ND(0.036)	0.070 [0.096]	0.070 [0.096]
	1-3	10/13/2004	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	0.12	0.12
	3-6	10/13/2004	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	ND(0.39)	14	6.8	20.8
	6-15	10/13/2004	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.33	0.18	0.51
RAA10-E-Z7	0-1	10/13/2004	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	4.8	4.6	9.4

TABLE 5
SOIL SAMPLING DATA UTILIZED FOR EVALUATIONS OF PCBS WITHIN UTILITY CORRIDORS FOR FORMER EAST AREA

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Depth (Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-E-Z14	0-1	2/22/2005	ND(0.89)	ND(0.89)	ND(0.89)	ND(0.89)	ND(0.89)	23	ND(0.89)	23
	1-3	2/22/2005	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	ND(2.2)	54	ND(2.2)	54
	3-6	2/22/2005	ND(21)	ND(21)	ND(21)	ND(21)	ND(21)	350	ND(21)	350
	6-8	2/22/2005	ND(22)	ND(22)	ND(22)	ND(22)	ND(22)	190	ND(22)	190
RAA10-E-ZZ21	0-1	1/13/2005	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.11	0.26	0.37
RAA10-E-ZZ27	0-1	7/15/2004	ND(42)	ND(42)	ND(42)	ND(42)	ND(42)	440	ND(42)	440
UB-SB-11	0-2	7/31/1996	ND(0.34)	ND(0.70)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.34)	ND(0.70)
	2-4	7/31/1996	ND(0.18)	ND(0.36)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.36 P	0.36
	4-6	7/31/1996	ND(0.18)	ND(0.36)	ND(0.18)	ND(0.18)	ND(0.18)	ND(0.18)	0.95 P	0.95
	6-8	7/31/1996	ND(0.039)	ND(0.080)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	0.91 P	0.91
	8-10	7/31/1996	ND(0.042)	ND(0.085)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	0.063 P	0.063
UB-SB-20	0-0.5	12/16/1997	NR	NR	NR	NR	NR	NR	NR	11.4
	0.5-2	12/16/1997	NR	NR	NR	NR	NR	NR	NR	3.95
	2-4	12/16/1997	NR	NR	NR	NR	NR	NR	NR	2000 [1200]
	4-6	12/16/1997	NR	NR	NR	NR	NR	NR	NR	83
	6-6.9	12/16/1997	NR	NR	NR	NR	NR	NR	NR	209
	6.9-8	12/16/1997	NR	NR	NR	NR	NR	NR	NR	40
	8-10	12/16/1997	NR	NR	NR	NR	NR	NR	NR	0.44
UE0050	0-0.5	8/24/1998	NA	NA	NA	NA	NA	12	7.8	20
UE1319	0-0.5	8/26/1998	NA	NA	NA	NA	NA	4.5	5.4	9.9
UE2272	0-0.5	8/26/1998	NA	NA	NA	NA	NA	8.5 [13]	6.3 [12]	15 [25]
UFP1-L5	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.10	0.41	0.51
UFP2-L5	0-1	4/10/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	0.59	0.52	1.11
UOP3S-14	0-1	4/9/1991	ND(0.050)	NA	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)	0.96	0.96
UW0000	0-0.5	8/24/1998	NA	NA	NA	NA	NA	4.1	4.3	8.4
UW0050	0-0.5	8/24/1998	NA	NA	NA	NA	NA	0.50 J	0.30 J	0.80 J
UW1319	0-0.5	8/26/1998	NA	NA	NA	NA	NA	8.1	6.2	14
UW2272	0-0.5	8/26/1998	NA	NA	NA	NA	NA	13	10	23

Notes:

1. Samples were collected by ARCADIS, and were submitted to CompuChem Environmental Corporation, IT Analytical Services and SGS Environmental Services, Inc. for analysis of PCBs.
2. Samples collected after 01/01/2002 have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
3. EPA samples collection and analysis performed by United States Environmental Protection Agency (EPA) Subcontractors. Results provided to GE under a Data Exchange Agreement between GE and EPA.
4. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.
5. NR - Not Reported. Total PCB data was entered from summary data tables and not the laboratory report form.
6. Field duplicate sample results are presented in brackets.
7. All PCB data within the 0- to 15-foot depth increment is shown for all sample locations.

Data Qualifiers:

J - Indicates that the associated numerical value is an estimated concentration.
P - Greater than 25% difference between primary and confirmation column.
R - Data was rejected due to a deficiency in the data generation process.

TABLE 6
PROPOSED PCB SAMPLING WITHIN UTILITY CORRIDORS

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT
FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS

Sample ID	Depth(Feet)	Analysis
Former North Area		
UB-ITL-1	1-6	PCBs
UB-ITL-2	1-6	PCBs
UB-ITL-3	1-6	PCBs
Former East Area		
E-AAA22	1-3	PCBs
	3-6	PCBs
	6-15	PCBs
E-TT19	1-3	PCBs
	3-6	PCBs
	6-15	PCBs
E-YY20	1-3	PCBs
	3-6	PCBs
	6-15	PCBs
E-ZZ27	1-3	PCBs
	3-6	PCBs
	6-15	PCBs
UB-UTL-4	1-3	PCBs
	3-6	PCBs
	6-10	PCBs
UB-UTL-5	1-3	PCBs
	3-6	PCBs
	6-12	PCBs
UB-UTL-6	0-1	PCBs
	1-3	PCBs
	3-6	PCBs
	6-12	PCBs
UB-UTL-7	1-3	PCBs
	3-6	PCBs
	6-12	PCBs
UB-UTL-8	1-3	PCBs
	3-6	PCBs
	6-15	PCBs
UB-UTL-9	1-3	PCBs
	3-6	PCBs
	6-15	PCBs
UB-UTL-10	1-3	PCBs
	3-6	PCBs
	6-15	PCBs

Note:
1. Proposed sample locations are shown on Figures E and F.

TABLE 7
SUMMARY OF SOIL SAMPLING DATA FOR PCBs

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT
FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID	Depth(Feet)	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-N-GG14	0-1	10/16/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.054	0.088	0.142
	1-6	10/16/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
	6-15	10/16/2003	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)	ND(0.042)
RAA10-N-II10	1-6	10/17/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.012 J	0.012 J
	6-15	10/17/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)
RAA10-N-II16	0-1	10/7/2003	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	1.5	0.65	2.15
	1-6	10/7/2003	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	ND(0.037)	0.058	ND(0.037)	0.058
	6-15	10/7/2003	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	0.019 J	ND(0.040)	0.019 J
Trench A	0.5-1.5	11/22/1985	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	100	ND(0.040)	100
Trench B	0.5-1.5	11/22/1985	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	340	ND(0.040)	340
Trench E	0.5-1.5	11/22/1985	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)	ND(0.040)
UB-SB-3	0-2	8/9/1996	ND(0.72)	ND(1.5)	ND(0.72)	ND(0.72)	ND(0.72)	ND(0.72)	8.4	8.4
	2-4	8/9/1996	ND(0.036)	ND(0.074)	ND(0.036)	ND(0.036)	ND(0.036)	ND(0.036)	2.3	2.3
	4-6	8/9/1996	ND(0.038)	ND(0.077)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.077)
	6-8	8/9/1996	ND(0.40)	ND(0.82)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.82)
	8-10	8/9/1996	ND(0.038)	ND(0.078)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.078)
	10-12	8/9/1996	ND(0.039)	ND(0.078)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.039)	ND(0.078)
UB-SB-4	0-2	8/9/1996	ND(0.035)	ND(0.071)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	1.5	1.5

Notes:

1. Samples were collected and analyzed by General Electric Company subcontractors for PCBs.
2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Field Duplicate sample results are presented in brackets.

Data Qualifiers:

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

TABLE 8
SUMMARY OF SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT
FOR THE UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID: / Sample ID: / Sample Depth(Feet): / Parameter / Date Collected:	RAA10-N-II10 / RAA10-N-II10 / 0-1 / 10/17/03	RAA10-N-II10 / RAA10-N-II10 / 1-6 / 10/17/03	RAA10-N-II10 / RAA10-N-II10 / 4-6 / 10/17/03	RAA10-N-II10 / RAA10-N-II10 / 6-15 / 10/17/03
Volatile Organics				
2-Butanone	ND(0.11)	NA	ND(0.11)	NA
Acetone	ND(0.11)	NA	ND(0.11)	NA
Acetonitrile	ND(0.11)	NA	ND(0.11)	NA
Benzene	ND(0.0054)	NA	ND(0.0054)	NA
Chlorobenzene	ND(0.0054)	NA	ND(0.0054)	NA
Ethylbenzene	ND(0.0054)	NA	ND(0.0054)	NA
Methylene Chloride	ND(0.0054)	NA	ND(0.0054)	NA
Tetrachloroethene	ND(0.0054)	NA	ND(0.0054)	NA
Toluene	0.0060	NA	ND(0.0054)	NA
Xylenes (total)	ND(0.0054)	NA	ND(0.0054)	NA
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	ND(0.36)	NA	NA	NA
1,2-Dichlorobenzene	ND(0.36)	NA	NA	NA
1,4-Dichlorobenzene	ND(0.36)	NA	NA	NA
2-Methylnaphthalene	ND(0.36)	NA	NA	NA
Acetophenone	ND(0.36)	NA	NA	NA
Anthracene	ND(0.36)	NA	NA	NA
Benzo(a)anthracene	ND(0.36)	NA	NA	NA
Benzo(a)pyrene	ND(0.36)	NA	NA	NA
Benzo(b)fluoranthene	ND(0.36)	NA	NA	NA
Benzo(g,h,i)perylene	ND(0.36)	NA	NA	NA
Benzo(k)fluoranthene	ND(0.36)	NA	NA	NA
Benzyl Alcohol	0.18 J	NA	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.36)	NA	NA	NA
Chrysene	ND(0.36)	NA	NA	NA
Dibenzo(a,h)anthracene	ND(0.36)	NA	NA	NA
Dibenzofuran	ND(0.36)	NA	NA	NA
Di-n-Butylphthalate	ND(0.36)	NA	NA	NA
Fluoranthene	ND(0.36)	NA	NA	NA
Fluorene	ND(0.36)	NA	NA	NA
Naphthalene	ND(0.36)	NA	NA	NA
Phenanthrene	ND(0.36)	NA	NA	NA
Phenol	ND(0.36)	NA	NA	NA
Pyrene	ND(0.36)	NA	NA	NA
Furans				
2,3,7,8-TCDF	0.0000018 J	ND(0.00000058) X	NA	ND(0.00000020) X
TCDFs (total)	0.000023	0.00000091	NA	ND(0.00000021) Q
1,2,3,7,8-PeCDF	ND(0.00000053)	ND(0.00000022)	NA	ND(0.00000022)
2,3,4,7,8-PeCDF	0.0000017 J	0.00000037 J	NA	0.00000022 J
PeCDFs (total)	0.000022	0.0000032	NA	ND(0.00000044)
1,2,3,4,7,8-HxCDF	0.0000014 J	0.00000078 J	NA	0.00000045 J
1,2,3,6,7,8-HxCDF	0.00000084 J	ND(0.00000030)	NA	ND(0.00000021)
1,2,3,7,8,9-HxCDF	0.00000065 J	0.00000022 J	NA	ND(0.00000022) X
2,3,4,6,7,8-HxCDF	0.00000096 J	0.00000049 J	NA	ND(0.00000053)
HxCDFs (total)	0.000013	0.0000057	NA	ND(0.00000066)
1,2,3,4,6,7,8-HpCDF	0.0000028 J	0.0000015 J	NA	0.00000035 J
1,2,3,4,7,8,9-HpCDF	0.00000088 J	0.00000053 J	NA	0.00000033 J
HpCDFs (total)	0.0000057	0.0000040	NA	0.00000068
OCDF	0.0000043 J	0.0000022 J	NA	ND(0.0000011)
Dioxins				
2,3,7,8-TCDD	ND(0.00000024) X	ND(0.00000022) X	NA	ND(0.00000021)
TCDDs (total)	0.00000011	0.00000029	NA	ND(0.00000078) Q
1,2,3,7,8-PeCDD	ND(0.00000034)	ND(0.00000050)	NA	ND(0.00000053)
PeCDDs (total)	0.0000011	ND(0.00000086)	NA	ND(0.00000090) Q
1,2,3,4,7,8-HxCDD	0.00000028 J	0.00000015 J	NA	ND(0.00000053)
1,2,3,6,7,8-HxCDD	0.00000046 J	0.00000025 J	NA	ND(0.00000022) X
1,2,3,7,8,9-HxCDD	0.00000050 J	ND(0.00000023) X	NA	0.00000034 J
HxCDDs (total)	0.0000032	0.0000016	NA	0.00000034
1,2,3,4,6,7,8-HpCDD	0.0000022 J	0.0000040 J	NA	ND(0.00000059)
HpCDDs (total)	0.0000040	0.0000087	NA	ND(0.00000059)

TABLE 8
SUMMARY OF SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT
FOR THE UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-N-II10 / RAA10-N-II10 / 0-1 / 10/17/03	RAA10-N-II10 / RAA10-N-II10 / 1-6 / 10/17/03	RAA10-N-II10 / RAA10-N-II10 / 4-6 / 10/17/03	RAA10-N-II10 / RAA10-N-II10 / 6-15 / 10/17/03
OCDD		0.000011	0.000059	NA	ND(0.0000030)
Total TEQs (WHO TEFs)		0.0000019	0.00000086	NA	0.00000067
Inorganics					
Antimony		0.850 B	ND(6.00)	NA	0.830 B
Arsenic		2.70	2.60	NA	2.50
Barium		11.0 B	18.0 B	NA	14.0 B
Beryllium		0.110 B	0.170 B	NA	0.160 B
Cadmium		ND(0.500)	ND(0.500)	NA	0.0800 B
Chromium		4.40	4.50	NA	4.60
Cobalt		4.30 B	4.70 B	NA	6.00
Copper		9.80	10.0	NA	12.0
Cyanide		0.0250 B	ND(0.110)	NA	0.0250 B
Lead		5.00	4.70	NA	3.80
Mercury		0.0820 B	0.110 B	NA	ND(0.110)
Nickel		7.00	8.20	NA	9.30
Selenium		ND(1.00)	ND(1.00)	NA	ND(1.00)
Sulfide		7.00	ND(5.60)	NA	27.0
Vanadium		4.20 B	4.70 B	NA	4.90 B
Zinc		23.0	31.0	NA	28.0

TABLE 8
SUMMARY OF SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT
FOR THE UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Location ID:	RAA10-N-II16	RAA10-N-II16	RAA10-N-II16	RAA10-N-II16
Sample ID:	RAA10-N-II16	RAA10-N-II16	RAA10-N-II16	RAA10-N-II16
Sample Depth(Feet):	0-1	1-6	4-6	10-12
Parameter Date Collected:	10/07/03	10/07/03	10/07/03	10/07/03
Volatile Organics				
2-Butanone	ND(0.11)	NA	ND(0.11)	ND(0.12)
Acetone	ND(0.11)	NA	ND(0.11)	ND(0.12)
Acetonitrile	ND(0.11)	NA	ND(0.11)	ND(0.12)
Benzene	ND(0.0053)	NA	ND(0.0057)	1.0
Chlorobenzene	ND(0.0053)	NA	ND(0.0057)	0.12
Ethylbenzene	ND(0.0053)	NA	ND(0.0057)	ND(0.0061)
Methylene Chloride	ND(0.0053)	NA	ND(0.0057)	ND(0.0061)
Tetrachloroethene	ND(0.0053)	NA	ND(0.0057) J	ND(0.0061)
Toluene	ND(0.0053)	NA	ND(0.0057)	ND(0.0061)
Xylenes (total)	ND(0.0053)	NA	ND(0.0057)	ND(0.0061)
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene	0.085 J	ND(0.37)	NA	NA
1,2-Dichlorobenzene	0.11 J	ND(0.37)	NA	NA
1,4-Dichlorobenzene	0.42	ND(0.37)	NA	NA
2-Methylnaphthalene	1.2	ND(0.37)	NA	NA
Acetophenone	ND(0.36)	ND(0.37)	NA	NA
Anthracene	0.75	ND(0.37)	NA	NA
Benzo(a)anthracene	1.1	ND(0.37)	NA	NA
Benzo(a)pyrene	0.94	ND(0.37)	NA	NA
Benzo(b)fluoranthene	0.62	ND(0.37)	NA	NA
Benzo(g,h,i)perylene	0.76	ND(0.37)	NA	NA
Benzo(k)fluoranthene	0.28 J	ND(0.37)	NA	NA
Benzyl Alcohol	ND(0.72) J	ND(0.75) J	NA	NA
bis(2-Ethylhexyl)phthalate	ND(0.35)	ND(0.37)	NA	NA
Chrysene	2.4	ND(0.37)	NA	NA
Dibenzo(a,h)anthracene	0.23 J	ND(0.37)	NA	NA
Dibenzofuran	ND(0.36)	ND(0.37)	NA	NA
Di-n-Butylphthalate	ND(0.36)	ND(0.37)	NA	NA
Fluoranthene	0.83	ND(0.37)	NA	NA
Fluorene	0.72	ND(0.37)	NA	NA
Naphthalene	0.16 J	ND(0.37)	NA	NA
Phenanthrene	2.1	ND(0.37)	NA	NA
Phenol	0.66	ND(0.37)	NA	NA
Pyrene	4.4	ND(0.37)	NA	NA
Furans				
2,3,7,8-TCDF	0.000056 Y	ND(0.00000027)	NA	NA
TCDFs (total)	0.00098 I	ND(0.00000027) I	NA	NA
1,2,3,7,8-PeCDF	0.000026	ND(0.00000013)	NA	NA
2,3,4,7,8-PeCDF	0.000018	ND(0.00000010)	NA	NA
PeCDFs (total)	0.0016 I	0.0000041 I	NA	NA
1,2,3,4,7,8-HxCDF	0.00017 I	ND(0.00000089) X	NA	NA
1,2,3,6,7,8-HxCDF	0.000012	ND(0.000000098)	NA	NA
1,2,3,7,8,9-HxCDF	ND(0.00000083)	ND(0.00000012)	NA	NA
2,3,4,6,7,8-HxCDF	0.0000081	ND(0.00000012)	NA	NA
HxCDFs (total)	0.00073 I	0.0000016 I	NA	NA
1,2,3,4,6,7,8-HpCDF	0.000032	ND(0.00000028)	NA	NA
1,2,3,4,7,8,9-HpCDF	0.000027	ND(0.00000033) X	NA	NA
HpCDFs (total)	0.00010	ND(0.00000037)	NA	NA
OCDF	0.000043	ND(0.00000041)	NA	NA
Dioxins				
2,3,7,8-TCDD	ND(0.0000011)	ND(0.00000015)	NA	NA
TCDDs (total)	ND(0.0000011)	ND(0.00000015)	NA	NA
1,2,3,7,8-PeCDD	ND(0.0000046) X	ND(0.00000048)	NA	NA
PeCDDs (total)	ND(0.0000029)	ND(0.00000048)	NA	NA
1,2,3,4,7,8-HxCDD	ND(0.0000017)	ND(0.00000022)	NA	NA
1,2,3,6,7,8-HxCDD	ND(0.0000018)	ND(0.00000022)	NA	NA
1,2,3,7,8,9-HxCDD	ND(0.0000039) X	ND(0.00000021)	NA	NA
HxCDDs (total)	0.00018	ND(0.00000022)	NA	NA
1,2,3,4,6,7,8-HpCDD	ND(0.000077) X	ND(0.00000019)	NA	NA
HpCDDs (total)	ND(0.0000021)	0.00000076	NA	NA

TABLE 8
SUMMARY OF SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT
FOR THE UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	RAA10-N-II16 / RAA10-N-II16 / 0-1 / 10/07/03	RAA10-N-II16 / RAA10-N-II16 / 1-6 / 10/07/03	RAA10-N-II16 / RAA10-N-II16 / 4-6 / 10/07/03	RAA10-N-II16 / RAA10-N-II16 / 10-12 / 10/07/03
OCDD		0.00027	ND(0.0000024) X	NA	NA
Total TEQs (WHO TEFs)		0.000039	0.00000045	NA	NA
Inorganics					
Antimony		ND(6.00)	ND(6.00)	NA	NA
Arsenic		3.60	4.10	NA	NA
Barium		19.0 J	19.0 J	NA	NA
Beryllium		ND(0.23)	ND(0.34)	NA	NA
Cadmium		ND(0.500)	ND(0.500)	NA	NA
Chromium		5.80	4.70	NA	NA
Cobalt		6.40	5.00 B	NA	NA
Copper		18.0	10.0	NA	NA
Cyanide		0.0610 B	0.0650 B	NA	NA
Lead		24.0	5.40	NA	NA
Mercury		0.0680 B	ND(0.110)	NA	NA
Nickel		14.0 J	8.60 J	NA	NA
Selenium		0.900 B	0.790 B	NA	NA
Sulfide		12.0	ND(5.60)	NA	NA
Vanadium		6.50	6.90	NA	NA
Zinc		37.0 J	32.0 J	NA	NA

TABLE 8
SUMMARY OF SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT
FOR THE UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	UB-SB-3 UBB030608 6-8 08/09/96	UB-SB-3 UBB030608 6-8 11/04/96	UB-SB-4 UBB040204 2-4 08/09/96
Volatile Organics				
2-Butanone		ND(0.072)	0.013 J	ND(0.039)
Acetone		0.033 JB	0.17	ND(0.10)
Acetonitrile		ND(0.41)	ND(0.24)	0.021 J
Benzene		ND(0.031)	ND(0.018)	ND(0.017)
Chlorobenzene		ND(0.031)	ND(0.018)	ND(0.017)
Ethylbenzene		0.12	ND(0.045)	ND(0.017)
Methylene Chloride		0.017 JB	0.0050 JB	0.026 B
Tetrachloroethene		ND(0.031)	0.0030 J	ND(0.017)
Toluene		ND(0.031)	0.0040 J	0.010 J
Xylenes (total)		0.060	0.18	ND(0.022)
Semivolatile Organics				
1,2,4,5-Tetrachlorobenzene		ND(7.9)	ND(7.9)	ND(1.5)
1,2-Dichlorobenzene		ND(3.6)	ND(3.6)	ND(0.66)
1,4-Dichlorobenzene		ND(3.2)	ND(3.2)	ND(0.58)
2-Methylnaphthalene		57 D	57 D	ND(0.94)
Acetophenone		ND(4.0)	ND(4.0)	0.074 J
Anthracene		ND(4.5)	ND(4.5)	ND(0.83)
Benzo(a)anthracene		ND(4.0)	ND(4.0)	0.11 J
Benzo(a)pyrene		ND(4.0)	ND(4.0)	ND(0.74)
Benzo(b)fluoranthene		ND(4.7)	ND(4.7)	0.18 ZJ
Benzo(g,h,i)perylene		ND(3.8)	ND(3.8)	ND(0.70)
Benzo(k)fluoranthene		ND(3.8)	ND(3.8)	0.19 ZJ
Benzyl Alcohol		ND(3.4)	ND(3.4)	ND(0.62)
bis(2-Ethylhexyl)phthalate		ND(4.6)	ND(4.6)	0.075 J
Chrysene		ND(3.3)	ND(3.3)	0.11 J
Dibenzo(a,h)anthracene		ND(2.6)	ND(2.6)	ND(0.48)
Dibenzofuran		3.6 J	3.6 J	ND(0.78)
Di-n-Butylphthalate		0.35 J	0.35 J	0.11 J
Fluoranthene		ND(5.6)	ND(5.6)	0.088 J
Fluorene		7.1	7.1	ND(0.78)
Naphthalene		11	11	ND(0.74)
Phenanthrene		11	11	0.045 J
Phenol		ND(3.5)	ND(3.5)	ND(0.64)
Pyrene		3.8 J	3.8 J	0.13 J
Furans				
2,3,7,8-TCDF		NA	NA	NA
TCDFs (total)		NA	NA	NA
1,2,3,7,8-PeCDF		NA	NA	NA
2,3,4,7,8-PeCDF		NA	NA	NA
PeCDFs (total)		NA	NA	NA
1,2,3,4,7,8-HxCDF		NA	NA	NA
1,2,3,6,7,8-HxCDF		NA	NA	NA
1,2,3,7,8,9-HxCDF		NA	NA	NA
2,3,4,6,7,8-HxCDF		NA	NA	NA
HxCDFs (total)		NA	NA	NA
1,2,3,4,6,7,8-HpCDF		NA	NA	NA
1,2,3,4,7,8,9-HpCDF		NA	NA	NA
HpCDFs (total)		NA	NA	NA
OCDF		NA	NA	NA
Dioxins				
2,3,7,8-TCDD		NA	NA	NA
TCDDs (total)		NA	NA	NA
1,2,3,7,8-PeCDD		NA	NA	NA
PeCDDs (total)		NA	NA	NA
1,2,3,4,7,8-HxCDD		NA	NA	NA
1,2,3,6,7,8-HxCDD		NA	NA	NA
1,2,3,7,8,9-HxCDD		NA	NA	NA
HxCDDs (total)		NA	NA	NA
1,2,3,4,6,7,8-HpCDD		NA	NA	NA
HpCDDs (total)		NA	NA	NA

TABLE 8
SUMMARY OF SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT
FOR THE UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Parameter	Location ID: / Sample ID: / Sample Depth(Feet): / Date Collected:	UB-SB-3 UBB030608 6-8 08/09/96	UB-SB-3 UBB030608 6-8 11/04/96	UB-SB-4 UBB040204 2-4 08/09/96
OCDD		NA	NA	NA
Total TEQs (WHO TEFs)		NA	NA	NA
Inorganics				
Antimony		NA	NA	NA
Arsenic		NA	NA	NA
Barium		NA	NA	NA
Beryllium		NA	NA	NA
Cadmium		NA	NA	NA
Chromium		NA	NA	NA
Cobalt		NA	NA	NA
Copper		NA	NA	NA
Cyanide		NA	NA	NA
Lead		NA	NA	NA
Mercury		NA	NA	NA
Nickel		NA	NA	NA
Selenium		NA	NA	NA
Sulfide		NA	NA	NA
Vanadium		NA	NA	NA
Zinc		NA	NA	NA

TABLE 8
SUMMARY OF SOIL SAMPLING DATA FOR APPENDIX IX+3 CONSTITUENTS

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT
FOR THE UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Notes:

1. Samples were collected and analyzed by General Electric Company subcontractors for analysis of Appendix IX+3 constituents.
2. Samples have been validated as per GE's EPA-approved FSP/QAPP, General Electric Company, Pittsfield, Massachusetts.
3. NA - Not Analyzed.
4. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
5. Total 2,3,7,8-TCDD toxicity equivalents (TEQs) were calculated using Toxicity Equivalency Factors (TEFs) derived by the World Health Organization (WHO) and published by Van den Berg et al. in Environmental Health Perspectives 106(2), December 1998.
6. With the exception of dioxin/furans, only those constituents detected in one or more samples are summarized.

Data Qualifiers:

Organics (volatiles, PCBs, semivolatiles,dioxin/furans)

B - Analyte was also detected in the associated method blank.
D - Compound quantitated using a secondary dilution.
I - Polychlorinated Diphenyl Ether (PCDPE) Interference.
J - Indicates that the associated numerical value is an estimated concentration.
Q - Indicates the presence of quantitative interferences.
X - Estimated maximum possible concentration.
Y - 2,3,7,8-TCDF results have been confirmed on a DB-225 column.
Z - Co eluting isomers could not be chromatographically resolved in the sample.

Inorganics

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

TABLE 9
SUMMARY OF PCB ANALYTICAL RESULTS OBTAINED DURING OCTOBER 2007

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in dry weight parts per million, ppm)

Sample ID	Depth(Feet)	Date Collected	Aroclor-1016, -1221, -1232, -1242, -1248	Aroclor-1254	Aroclor-1260	Total PCBs
RAA10-E-BBBCCC27	0-1	10/23/2007	ND(0.40)	2.8	1.8	4.6
RAA10-E-CCC27	0-1	10/23/2007	ND(38)	250	ND(38)	250
RAA10-E-CCCDDD27	0-1	10/23/2007	ND(39)	170	ND(39)	170

Notes:

1. Samples were collected by ARCADIS, and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. All samples have been validated as per Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts (submitted March 30, 2007 and approved by EPA on June 13, 2007).
3. ND - Analyte was not detected. The number in parenthesis is the associated detection limit.

ARCADIS

Figures

CITY: SYRACUSE DIV/GROUP: 85 DB: DMW KLS DMW LD: DMW PIC: PM: M. BENOIT TM: LYR: ON=*;OFF=*REF*
G:\CAD\GE-CAD\N-ACT\B0040190\0000\00029\DWG\2NDSUPP\PCB\40190G01.DWG LAYOUT: A SAVED: 4/24/2008 10:51 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/24/2008 10:51 AM BY: SARTORI, KATHERINE
XREFS: IMAGES: PROJECTNAME: ----
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- K11-7-2 PROPERTY IDENTIFICATION
- BOLLARD
- SIGN
- LIGHT POLE
- GROUND LIGHT
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN – ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT-OFF/GATE
- HYDRANT
- PRESSURE INDICATOR VALVE
- METAL FENCE
- CHAIN LINK FENCE
- ABANDONED RAILROAD TRACKS
- GUARDRAIL
- OVERHEAD STEAMLINES
- ELECTRIC SERVICE
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- STORM DRAIN
- OVERHEAD WIRES
- EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE
- 100-FOOT PCB SAMPLING GRID
- 50-FOOT PCB SAMPLING GRID

- BUILDING (NOT CHARACTERIZED)
- PAVED AREA (CHARACTERIZED AS A PAVED AREA)
- UNPAVED AREA (CHARACTERIZED, OR TO BE CHARACTERIZED, AS AN UNPAVED AREA)
- AREA PREVIOUSLY CHARACTERIZED AS PAVED BUT WILL BE CHARACTERIZED AS UNPAVED BASED ON RESULTS OF PAVEMENT INSPECTION
- APPROXIMATE HORIZONTAL EXTENT OF PAVEMENT SUBJECT TO RESTORATION (SUBJECT TO POSSIBLE MODIFICATION BASED ON OBSERVED CONDITIONS)
- ▲ UB-SS-2 EXISTING SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)
- W-07 EXISTING SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- W-C6 PROPOSED SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- W-D10 LOCATION NOT SAMPLED AS DIRECTED BY EPA DUE TO SURFACE TOPOGRAPHY (DOCUMENTED IN SECTION 2.3 OF THE PDI REPORT)

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM AN ELECTRONIC COPY OF SURVEY DRAWING GE-1110-CX101-M (REV 8-1-07) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS AND FORESIGHT LAND SERVICES.
3. THE BOUNDARY LINE INFORMATION SHOWN HEREON WAS PROVIDED BY FORESIGHT LAND SERVICES AND IS NOT THE RESULT OF A RETRACEMENT SURVEY PREPARED BY HILL ENGINEERS, ARCHITECTS, PLANNERS.
4. UTILITIES SHOWN ARE BASED ON DRAWINGS PROVIDED BY GENERAL DYNAMICS FACILITIES MANAGER. SOME OF THE DRAWINGS ARE UNTITLED AND DATE BACK TO THE 1940'S. UPDATES OR MODIFICATIONS TO THE FACILITY MAY HAVE RESULTED IN REROUTING OR ADDITIONS TO UTILITIES THAT HAVE NOT BEEN SHOWN. THEREFORE UTILITIES SHOWN SHOULD BE CONSIDERED APPROXIMATE AND PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHOULD CONTACT "DIG-SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND.
5. BUILDINGS OP-1 AND OP-2 MAKE-UP PARCEL K11-7-46 WHILE THE LAND THESE BUILDINGS ARE CONSTRUCTED ON IS PART OF PARCEL K11-7-2.
6. SAMPLE LOCATIONS ARE APPROXIMATE.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

FORMER WEST AREA - PCB CHARACTERIZATION LOCATIONS

ARCADIS

FIGURE
A

CITY: SYRACUSE DIV/GROUP: 85 DB: DMW DMW KLS LD: DMW PIC: PM: M. BENOIT TM: LYR: ON=*;OFF=*REF*
G:\CAD\GE-CAD\N-ACT\B0040190\0000\00029\DWG\2NDSUPP\PCB\40190G02.DWG LAYOUT: B SAVED: 4/24/2008 10:57 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/24/2008 10:57 AM BY: SARTORI, KATHERINE
XREFS: IMAGES: PROJECTNAME: ----
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- APPROXIMATE PALUSTRINE/EMERGENT WETLANDS BOUNDARY
- 100–YEAR FLOODPLAIN BOUNDARY
- K12–9–1 PROPERTY IDENTIFICATION
- BOLLARD
- SIGN
- LIGHT POLE
- GROUND LIGHT
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN – ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT–OFF/GATE
- HYDRANT
- PRESSURE INDICATOR VALVE
- METAL FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- GUARDRAIL
- OVERHEAD STEAMLINES
- ELECTRIC SERVICE
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- STORM DRAIN
- TELEPHONE SERVICE
- OVERHEAD WIRES
- EXISTING CONTOUR
- STONEWALL
- EDGE OF BUSHES/HEDGE

- 100–FOOT PCB SAMPLING GRID
- 50–FOOT PCB SAMPLING GRID
- 25–FOOT PCB SAMPLING GRID
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF WATER
- BUILDING (NOT CHARACTERIZED)
- PAVED AREA (CHARACTERIZED AS A PAVED AREA – EXCLUDING PORTION OF FORMER INTERIOR LANDFILL SUBJECT TO FUTURE ENGINEERED BARRIER INSTALLATION ACTIVITIES)
- UNPAVED AREA (CHARACTERIZED AS AN UNPAVED AREA – EXCLUDING PORTION OF FORMER INTERIOR LANDFILL SUBJECT TO FUTURE ENGINEERED BARRIER INSTALLATION ACTIVITIES)
- WATER
- SECTION OF UNKAMET BROOK SUBJECT TO REROUTING
- SECTION OF WETLAND PROPOSED FOR DETAILED REMOVAL DESIGN/REMOVAL ACTION EVALUATIONS
- APPROXIMATE HORIZONTAL EXTENT OF PAVEMENT SUBJECT TO RESTORATION (SUBJECT TO POSSIBLE MODIFICATION BASED ON OBSERVED CONDITIONS)
- APPROXIMATE HORIZONTAL EXTENT OF LANDSCAPED AREA COVERING BUILDING FOUNDATIONS/PAVEMENT (CHARACTERIZED AS PAVED IN ACCORDANCE WITH EPA–APPROVED PDI ACTIVITIES)
- APPROXIMATE EXTENT OF AREA PREVIOUSLY TREATED AS PAVED THAT IS NOW PROPOSED TO BE TREATED AS UNPAVED.

- UB–SS–11 EXISTING SURFACE SOIL SAMPLE LOCATION (0– TO 1– FOOT SAMPLE DEPTH)
- UB–SB–13 EXISTING SOIL BORING LOCATION (1–FOOT OR GREATER SAMPLE DEPTH)
- SD UB–RA–4–C1 EXISTING SEDIMENT SAMPLE LOCATION
- N–L–17 PDI WETLAND SURFACE SOIL SAMPLE LOCATION (0– TO 1–FOOT SAMPLE DEPTH)

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM AN ELECTRONIC COPY OF SURVEY DRAWING GE–1110–CX101–M (REV 9–5–07) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS AND FORESIGHT LAND SERVICES.
3. UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "DIG–SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND.
4. ACCORDING TO FLOOD INSURANCE RATE MAP (FIRM), COMMUNITY PANEL 250037 0010 C, REVISION DATED FEBRUARY 19, 1982, THE 100–YEAR FLOOD PLAIN ELEVATION IN THE PROJECT VICINITY IS 995 FEET.
5. PHRAGMITES AREA SHOWN AS DETERMINED BY BBL FIELD PERSONNEL AND SURVEYS USING GPS ON MARCH 2, 2004.
6. SAMPLE LOCATIONS ARE APPROXIMATE.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

FORMER NORTH AREA - PCB CHARACTERIZATION LOCATIONS

ARCADIS

FIGURE
B

CITY: SYRACUSE DIV/GROUP: 85 DB: DMW DMW KLS LD: DMW PIC: PM: M. BENOIT TM: LYR: ON=*;OFF=*REF*
G:\CAD\GE-CAD\N-ACT\B0040190\0000\00029\DWG\2NDSUPP\PCB\40190G03.DWG LAYOUT: C SAVED: 4/24/2008 11:38 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/24/2008 11:39 AM BY: SARTORI, KATHERINE

XREFS: IMAGES: PROJECTNAME: ----
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- 100-YEAR FLOODPLAIN BOUNDARY
- L12-2-1 PROPERTY IDENTIFICATION
- BOLLARD
- SIGN
- LIGHT POLE
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN – ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT-OFF/GATE
- HYDRANT
- PRESSURE INDICATOR VALVE (PIV)
- EDGE OF WATER
- METAL FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- GUARDRAIL
- ELECTRIC SERVICE
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- STORM DRAIN
- EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE
- 100-FOOT PCB SAMPLING GRID
- 50-FOOT PCB SAMPLING GRID

- BUILDING (NOT CHARACTERIZED)
- WATER
- PAVED AREA (SEE NOTE 7)
- UNPAVED AREA (SEE NOTE 7)
- APPROXIMATE EXTENT OF AREA PREVIOUSLY TREATED AS PAVED THAT ARE NOW PROPOSED TO BE TREATED AS UNPAVED AND SUBJECT TO NOT-TO-EXCEED (NTE) PCB REMOVAL, AS APPROPRIATE
- UOP35-7 EXISTING SURFACE SOIL SAMPLE LOCATION (0- TO 1- FOOT SAMPLE DEPTH)
- UFP1-R1 EXISTING SOIL BORING LOCATION (1- FOOT OR GREATER SAMPLE DEPTH)
- UB-25 EXISTING SEDIMENT SAMPLE LOCATION
- E-KKLL6.5 SUPPLEMENTAL SURFACE SOIL SAMPLE LOCATION (AUGUST 2007) (0- TO 1- FOOT SAMPLE DEPTH)
- E-BBBCCC27 ADDITIONAL SUPPLEMENTAL SURFACE SOIL SAMPLE LOCATION (OCTOBER 2007) (0- TO 1- FOOT SAMPLE DEPTH)

L12-2-2
BLD OP-3

L12-1-5
BLD

L12-1-4
BLD

L12-1
-101
BLD

L12-2-1

L11-4-1

BLD

HAZEL STREET

MERRILL ROAD

SEWER EASEMENT

HOUSATONIC RIVER

APPROXIMATE AREA SUBJECT TO ADDITIONAL SURVEY/INVESTIGATION

0 100' 200'
GRAPHIC SCALE

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM AN ELECTRONIC COPY OF SURVEY DRAWING GE-1110-CX101-M (REV 9-5-07) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS AND FORESIGHT LAND SERVICES.
3. THE BOUNDARY LINES SHOWN HEREON BETWEEN PARCELS L12-2-2, L12-2-1 AND L11-4-11 ARE APPROXIMATE DUE TO THE LACK OF PHYSICAL AND RECORD EVIDENCE TO REPRODUCE THEM.
4. UTILITY LOCATIONS ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHOULD CONTACT "DIG-SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND.
5. SAMPLE LOCATIONS ARE APPROXIMATE.
6. SEWER EASEMENT AND SANITARY SEWER LINE/MANHOLES SHOWN (FROM PARCEL L11-4-112 ACROSS L11-4-11) BASED ON CITY OF PITTSFIELD SEWER MAP #650 (DATED 1960). THE SEWER EASEMENT (AND ALL LINES/MANHOLES) SHOULD BE CONSIDERED APPROXIMATE.
7. PARCELS SHOWN ON THIS FIGURE ARE NON-GE-OWNED INDUSTRIAL AND RECREATIONAL AREAS. IN ACCORDANCE WITH THE PRE-DESIGN INVESTIGATION WORK PLAN, THESE AREAS WERE SAMPLED ON AN APPROXIMATE 50-FOOT GRID FOR THE 0- TO 1-FOOT DEPTH INTERVAL AND AN APPROXIMATE 100-FOOT GRID FOR THE 0- TO 1-FOOT, 1- TO 3-FOOT, 3- TO 6-FOOT, AND 6- TO 15-FOOT DEPTH INTERVALS.

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

FORMER EAST AREA - PCB CHARACTERIZATION LOCATIONS

ARCADIS

FIGURE
C

CITY: SYR DIV/GROUP: 85 DB: DMW GHS KLS LD: DMW AM: PD: TM: TR: LYR:ON=*;OFF=*REF* *FRZN
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XREFS: IMAGES: PROJECTNAME: ----
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- K11-7-2 PROPERTY IDENTIFICATION
- BOLLARD
- SIGN
- LIGHT POLE
- GROUND LIGHT
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN – ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT-OFF/GATE
- HYDRANT
- PRESSURE INDICATOR VALVE
- METAL FENCE
- CHAIN LINK FENCE
- ABANDONED RAILROAD TRACKS
- GUARDRAIL
- OVERHEAD STEAMLINES
- ELECTRIC SERVICE
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- STORM DRAIN
- EDGE OF BUSHES/HEDGE
- BUILDING
- W-09 EXISTING SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- W-015.5 EXISTING SURFACE SOIL SAMPLE LOCATION (0- TO 1-FOOT SAMPLE DEPTH)
- UTILITY CORRIDOR WITH NO PCB DETECTIONS IN RELEVANT INCREMENTS ABOVE 200 PPM

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPY OF SURVEY DRAWING GE-1110-003-CX101M(REV 8-1-07) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS AND FORESIGHT LAND SERVICES.
3. THE BOUNDARY LINE INFORMATION SHOWN HEREON WAS PROVIDED BY FORESIGHT LAND SERVICES AND IS NOT THE RESULT OF A RETRACEMENT SURVEY PREPARED BY HILL ENGINEERS, ARCHITECTS, PLANNERS, INC.
4. UTILITIES SHOWN ARE BASED ON DRAWINGS PROVIDED BY GENERAL DYNAMICS FACILITIES MANAGER. SOME OF THE DRAWINGS ARE UNTITLED AND DATE BACK TO THE 1940'S. UPDATES OR MODIFICATIONS TO THE FACILITY MAY HAVE RESULTED IN REROUTING OR ADDITIONS TO UTILITIES THAT HAVE NOT BEEN SHOWN. THEREFORE UTILITIES SHOWN SHOULD BE CONSIDERED APPROXIMATE AND PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHOULD CONTACT "DIG-SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND.
5. BUILDINGS OP-1 AND OP-2 MAKE-UP PARCEL K11-7-46 WHILE THE LAND THESE BUILDINGS ARE CONSTRUCTED ON IS PART OF PARCEL K11-7-2.
6. SAMPLE LOCATIONS WITHIN/ADJACENT TO UTILITY CORRIDORS SHOWN. SAMPLE LOCATIONS WITHIN PARCEL K11-7-2 HAVE PCB DATA WITHIN THE 1- TO 6-FOOT DEPTH INCREMENT. SAMPLE LOCATIONS WITHIN PARCEL K11-7-8 (CHARACTERIZED AS A RESIDENTIAL PROPERTY) AND THE ADJACENT MERRILL ROAD RIGHT OF WAY HAVE PCB DATA WITHIN THE 0- TO 15-FOOT DEPTH INCREMENT. ALL OTHER SAMPLE LOCATIONS HAVE BEEN REMOVED. SAMPLE LOCATIONS ARE APPROXIMATE.

0 100' 200'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

SUMMARY OF UTILITY CORRIDORS WITHIN UNKAMET BROOK AREA - FORMER WEST AREA

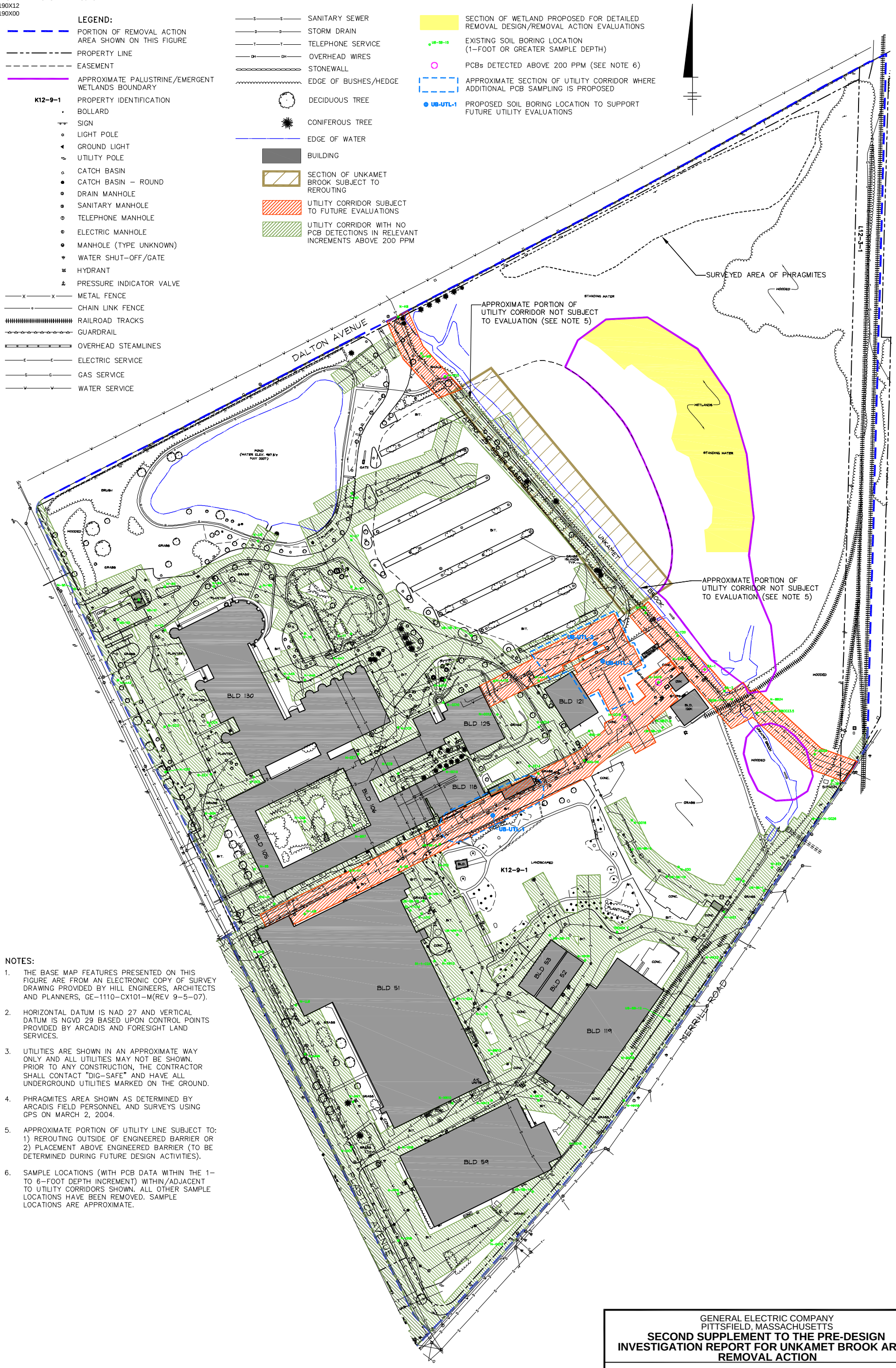
ARCADIS

FIGURE
D

CITY: SYR DIV/GROUP: 85 DB: DMW GHS KLS LD: DMW AM: PD: TM: TR: LYR:ON=*;OFF=*REF* *FRZN
G:\CAD\GE-CAD\N-ACT\B0040190\0000\00029\DWG\2NDSUPP\PCB\40190G05.DWG LAYOUT: E SAVED: 4/24/2008 11:00 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/24/2008 11:00 AM BY: SARTORI, KATHERINE
XREFS: IMAGES: PROJECTNAME: ----
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- APPROXIMATE PALUSTRINE/EMERGENT WETLANDS BOUNDARY
- K12–9–1 PROPERTY IDENTIFICATION
- BOLLARD
- SIGN
- LIGHT POLE
- GROUND LIGHT
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN – ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT–OFF/GATE
- HYDRANT
- PRESSURE INDICATOR VALVE
- METAL FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- GUARDRAIL
- OVERHEAD STEAMLINES
- ELECTRIC SERVICE
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- STORM DRAIN
- TELEPHONE SERVICE
- OVERHEAD WIRES
- STONEWALL
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE
- CONIFEROUS TREE
- EDGE OF WATER
- BUILDING
- SECTION OF UNKAMET BROOK SUBJECT TO REROUTING
- UTILITY CORRIDOR SUBJECT TO FUTURE EVALUATIONS
- UTILITY CORRIDOR WITH NO PCB DETECTIONS IN RELEVANT INCREMENTS ABOVE 200 PPM
- SECTION OF WETLAND PROPOSED FOR DETAILED REMOVAL DESIGN/REMOVAL ACTION EVALUATIONS
- UB-SB-15 EXISTING SOIL BORING LOCATION (1–FOOT OR GREATER SAMPLE DEPTH)
- PCBs DETECTED ABOVE 200 PPM (SEE NOTE 6)
- APPROXIMATE SECTION OF UTILITY CORRIDOR WHERE ADDITIONAL PCB SAMPLING IS PROPOSED
- UB-UTL-1 PROPOSED SOIL BORING LOCATION TO SUPPORT FUTURE UTILITY EVALUATIONS



NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM AN ELECTRONIC COPY OF SURVEY DRAWING PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS, GE–1110–CX101–M(REV 9–5–07).
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS AND FORESIGHT LAND SERVICES.
3. UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "DIG–SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND.
4. PHRAGMITES AREA SHOWN AS DETERMINED BY ARCADIS FIELD PERSONNEL AND SURVEYS USING GPS ON MARCH 2, 2004.
5. APPROXIMATE PORTION OF UTILITY LINE SUBJECT TO: 1) REROUTING OUTSIDE OF ENGINEERED BARRIER OR 2) PLACEMENT ABOVE ENGINEERED BARRIER (TO BE DETERMINED DURING FUTURE DESIGN ACTIVITIES).
6. SAMPLE LOCATIONS (WITH PCB DATA WITHIN THE 1– TO 6–FOOT DEPTH INCREMENT) WITHIN/ADJACENT TO UTILITY CORRIDORS SHOWN. ALL OTHER SAMPLE LOCATIONS HAVE BEEN REMOVED. SAMPLE LOCATIONS ARE APPROXIMATE.

0 100' 200'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

SUMMARY OF UTILITY CORRIDORS WITHIN UNKAMET BROOK AREA - FORMER NORTH AREA

ARCADIS

FIGURE
E

CITY: SYR DIV/GROUP: 141 DB: DMW KLS LAF LD: DMW AM: PD: TM: TR: LYR:ON=*;OFF=*REF* *FRZN
G:\CAD\GE-CAD\N-ACT\B0040190\0000\00029\DWG\2NDSUPP\PCB\40190G06.DWG LAYOUT: F SAVED: 4/24/2008 10:59 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/24/2008 11:00 AM BY: SARTORI, KATHERINE
XREFS: IMAGES: PROJECTNAME: ----
40190X12
40190X00

LEGEND:

- PORTION OF REMOVAL ACTION AREA SHOWN ON THIS FIGURE
- PROPERTY LINE
- EASEMENT
- L12-2-1 PROPERTY IDENTIFICATION
- BOLLARD
- SIGN
- LIGHT POLE
- UTILITY POLE
- CATCH BASIN
- CATCH BASIN – ROUND
- DRAIN MANHOLE
- SANITARY MANHOLE
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- MANHOLE (TYPE UNKNOWN)
- WATER SHUT-OFF/GATE
- HYDRANT
- PIV PRESSURE INDICATOR VALVE
- EDGE OF WATER
- METAL FENCE
- CHAIN LINK FENCE
- RAILROAD TRACKS
- GUARDRAIL
- ELECTRIC SERVICE
- GAS SERVICE
- WATER SERVICE
- SANITARY SEWER
- STORM DRAIN
- EDGE OF BUSHES/HEDGE
- DECIDUOUS TREE

- BUILDING
- UTILITY CORRIDOR SUBJECT TO FUTURE EVALUATIONS
- UTILITY CORRIDOR WITH NO PCB DETECTIONS IN RELEVANT INCREMENTS ABOVE 200 PPM
- E-PP18 EXISTING SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)
- UOP3S-7 EXISTING SURFACE SOIL SAMPLE LOCATION (0- TO 1-FOOT SAMPLE DEPTH)
- PCBs DETECTED ABOVE 200 PPM (SEE NOTE 6)
- APPROXIMATE SECTION OF UTILITY CORRIDOR WHERE ADDITIONAL PCB SAMPLING IS PROPOSED
- UB-UTL-4 PROPOSED SOIL BORING LOCATION TO SUPPORT FUTURE UTILITY EVALUATIONS

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM ELECTRONIC COPY OF SURVEY DRAWING GE-1110-CX101-M(REV 10-23-07) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS AND FORESIGHT LAND SERVICES.
3. THE BOUNDARY LINES SHOWN HEREON BETWEEN PARCELS L12-2-2, L12-2-1 AND L11-4-11 SHOWN HEREON ARE APPROXIMATE DUE TO THE LACK OF PHYSICAL AND RECORD EVIDENCE TO REPRODUCE THEM.
4. UTILITY LOCATIONS ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHOULD CONTACT "DIG-SAFE" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND.
5. SEWER EASEMENT AND SANITARY SEWER LINE/MANHOLES SHOWN (FROM PARCEL L11-4-112 ACROSS L11-4-11) BASED ON CITY OF PITTSFIELD SEWER MAP #650 (DATED 1960). THE SEWER EASEMENT (AND ALL LINES/MANHOLES) SHOULD BE CONSIDERED APPROXIMATE.
6. SAMPLE LOCATIONS (WITH PCB DATA WITHIN THE 0- TO 15-FOOT DEPTH INCREMENT) WITHIN/ADJACENT TO UTILITY CORRIDORS SHOWN. ALL OTHER SAMPLE LOCATIONS HAVE BEEN REMOVED. SAMPLE LOCATIONS ARE APPROXIMATE.

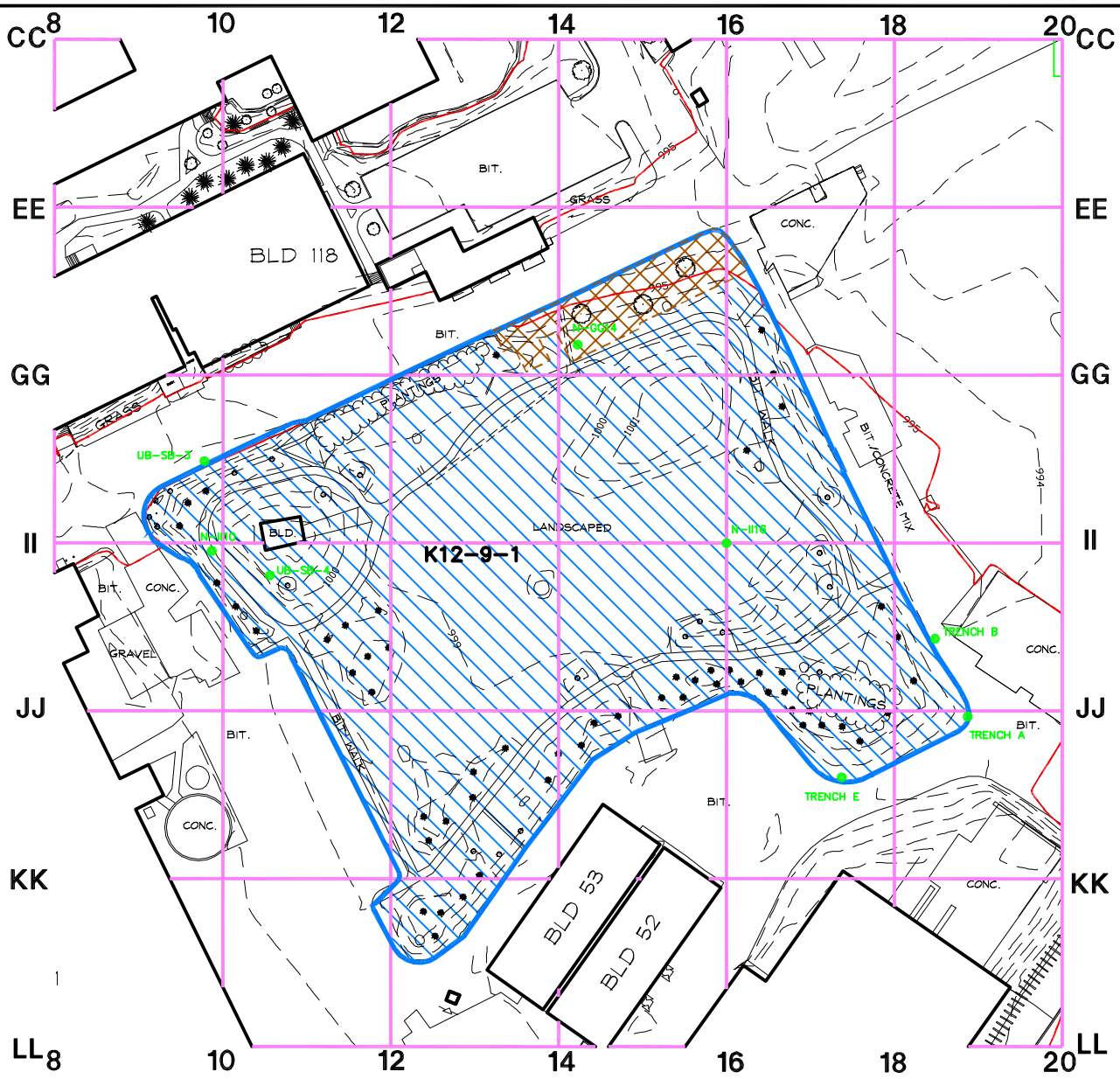
0 100' 200'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

SUMMARY OF UTILITY CORRIDORS WITHIN UNKAMET BROOK AREA - FORMER EAST AREA

ARCADIS

FIGURE
F



LEGEND:

- 100-YEAR FLOODPLAIN BOUNDARY
- K12-9-1 — PROPERTY IDENTIFICATION
- RAILROAD TRACKS
- CHAIN LINK FENCE
- GUARDRAIL
- 1000 — EXISTING CONTOUR
- EDGE OF BUSHES/HEDGE
- 100-FOOT PCB SAMPLING GRID
- DECIDUOUS TREE
- CONIFEROUS TREE
- AREA TO BE CONSIDERED UNPAVED DURING FUTURE RD/RA ACTIVITIES
- AREA TO BE CONSIDERED PAVED DURING FUTURE RD/RA ACTIVITIES
- UB-SB-10 — EXISTING SOIL BORING LOCATION (1-FOOT OR GREATER SAMPLE DEPTH)

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE ARE FROM AN ELECTRONIC COPY OF SURVEY DRAWING GE-1110-CX101-M (REV 9-5-07) PROVIDED BY HILL ENGINEERS, ARCHITECTS AND PLANNERS.
2. HORIZONTAL DATUM IS NAD 27 AND VERTICAL DATUM IS NGVD 29 BASED UPON CONTROL POINTS PROVIDED BY ARCADIS AND FORESIGHT LAND SERVICES.
3. SAMPLE LOCATIONS ARE APPROXIMATE.

0 100' 200'
GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

PARCEL K12-9-1 - LANDSCAPED AREA

ARCADIS

FIGURE
G

CITY: SYRACUSE DIV/GROUP: 141 DB: DMW DMW KLS LD: DMW PIC: PM: J. PISKORZ TM: LYR: ON=*;OFF=*REF*
G:\CAD\GE-CADIN-ACT\B0040190\0000\00029\DWG\2NDSUPP\PCB\40190G07.DWG LAYOUT: GSAVED: 4/24/2008 10:59 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/24/2008 10:59 AM BY: SARTORI, KATHERINE
XREFS: IMAGES: PROJECTNAME: ---
40190X12

ARCADIS

Attachments

ARCADIS

Attachment A

Decommissioning and Demolition
Summary Report Site No. 1

Decommissioning and Demolition Summary Report

Site No. 1

GE Advanced Materials
Pittsfield, Massachusetts

October 2005

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

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2 Final Project Schedule
3 Utilities Site Plan (As Built)

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A Pre-Demolition Assessment Report
B Hazard Inventory of Buildings 107, 108, 109, 110, 111, 112, 113, 114, & 115
C Asbestos and Lead Inspection Report
D Asbestos Abatement Final Report
E HCFC Recovery Record
F City of Pittsfield Demolition Permit
G Ambient Air Monitoring for PCB and Particulate Matter
H Waste Disposal Quantities Summary and Manifests (provided separately by Onyx)
I Project Status Meeting Minutes
J Project Photo Log

1. Introduction

1.1 General

In 2003, General Electric Advanced Materials (GEAM) ceased its manufacturing operations conducted at Site No. 1 at the GEAM facility in Pittsfield, Massachusetts (hereinafter referred to as the "site"). In late 2004, GEAM decided to demolish the Site No. 1 buildings in order to redevelop Site No. 1 as a heli-port and general open-space.

This Site No. 1 Decommissioning and Demolition Summary Report (the Report) has been prepared by BBL Environmental Services, Inc. (BBLES) on behalf of GEAM, and provides a detailed summary of the demolition activities performed at the site. This Report also summarizes decommissioning activities performed in preparation for demolition. The decommissioning and demolition activities summarized in this Report were performed by BBLES acting as the project construction manager and general contractor from March 2005 through September 2005 in accordance with contract terms established in the Environmental Services Agreement between BBLES and GEAM dated March 1, 2005, and applicable local and state permits/regulations.

1.2 Purpose/Objective

The objective of this Report is to document the decommissioning and demolition (D&D) activities and associated work conducted at the site so as to provide GEAM with one comprehensive document that summarizes the work completed as part of this project.

1.3 Report Organization

This Report is organized into the sections described below.

Section	Purpose
Section1 – Introduction	This section presents an introduction and background information
Section 2 – Decommissioning Activities	This section presents an overview of decommissioning activities conducted at the facility
Section 3 – Demolition Activities	This section presents a description of demolition activities conducted at the facility

1.4 Background Information

1.4.1 General

As shown on Figure 1 – Site Demolition Plan, the site consists of approximately 4 acres and included 9 buildings (Buildings 107, 108, 109, 110, 111, 112, 113, 114, and 115), the Building 114 Tank Farm, the West Tank Farm, the East Tank Farm, overhead steam lines, the Building 51 potable water tank, and other site

appurtenances. The total square footage of building space was approximately 89,360 square feet (sf) (inclusive of elevated floor space). The site had formerly been used for chemical storage and processing (such as Lexgard™ processing, and production of laminating resin), laboratory space, maintenance operations, and shipping and receiving. Portions of the site sit within the 100-year floodplain of Unkamet Brook and the entire site is covered by the Consent Decree for the GE-Pittsfield/Housatonic River Site. GEAM obtained a determination from the United States Environmental Projection Agency (USEPA) that a Notice of Intent (NOI) was not required to be filed with the Pittsfield Conservation Commission because General Electric Company (GE) will be conducting future remediation at the site.

In 2004, GEAM decided to further evaluate the scope and cost for demolition of the site. In November 2004, GEAM retained Blasland, Bouck & Lee, Inc. (BBL) (BBLES' affiliated environmental consulting company) to perform a pre-demolition assessment of the site. Upon review of the completed pre-demolition assessment and project cost estimates prepared by BBL, GEAM elected to proceed forward with D&D of the site. GEAM retained BBLES to provide turnkey D&D services exclusive of waste transportation and disposal (T&D) using a turnkey contracting strategy to establish a single point of project responsibility and expedite the project schedule to meet an established completion date of September 2005. BBLES in turn utilized several key subcontractors on this project. A summary of primary project contacts and their roles/responsibilities is provided in Table 1. The final project schedule is provided as Figure 2. A compilation of all weekly project status meeting minutes is provided for reference in Appendix I and a Project Photo Log is provided in Appendix J.

1.4.2 Project Approach

As part of the contracting and project planning phase, GEAM established a project approach that included the following key elements:

- Retained Hill Engineers, Architects, Planners, Inc. (Hill) to provide project oversight and prepare the site redevelopment design and bidding documents;

- Contracted with BBLES to provide turnkey D&D services exclusive of waste T&D, with two key project components, asbestos removal and building demolition, being competitively bid by BBLES to pre-qualified subcontractors;

- Directly contracted with Onyx Environmental Services, Inc. (Onyx) for waste T&D services;

- Elected to leave all building slabs in place and fill as necessary to match existing grade thereby eliminating the need to excavate any soil;

- Elected to treat all asbestos and demolition debris waste as a Toxic Substance Control Act (TSCA) waste and consequently dispose of all asbestos and demolition debris waste at the Chemical Waste Management (CWM) hazardous waste landfill facility located in Model City, New York;

- Utilized the GE-owned East Street truck scale to weigh all waste shipments prior to leaving the site in order to maximize load efficiency and eliminate the potential for overweight waste shipments; and

- Established a project substantial completion date of no later than September 15, 2005 with a goal of September 1, 2005.

1.4.3 Pre-Demolition Assessment

In November 2004, BBL (BBLES' affiliated environmental consulting company) was retained to perform a pre-demolition assessment of the site. The pre-demolition assessment included an overall summary of existing site conditions that allowed BBLES to understand the scope and magnitude of the D&D project for the purpose of preparing a cost proposal for the work. The pre-demolition assessment consisted of historical record review, interviews with GEAM employees, visual assessment of building condition, size, contents, and potentially hazardous and/or regulated materials within the buildings, building material sampling for waste characterization purposes, asbestos and lead paint survey, and an estimate of waste volume to be generated during D&D activities. A copy of BBL's *Pre-Demolition Assessment Report* is provided in Appendix A.

1.4.3.1 Building Materials

The results of building material sampling indicated that chemical constituents were not detected at concentrations exceeding Resource Conservation and Recovery Act (RCRA) characteristic hazardous waste levels. However, low-level concentrations of polychlorinated biphenyls (PCBs) and volatile organic compounds (VOCs) were detected in select building material samples. A summary of building material sampling and analytical results is provided in Appendix A.

1.4.3.2 Potentially Hazardous and/or Regulated Materials Survey

A visual assessment of the buildings scheduled for demolition was conducted by BBL's subcontractor, Chemcept, Inc. (Chemcept), to identify and inventory potentially hazardous and/or regulated materials within the buildings. Numerous items were identified during the visual assessment that require proper handling and disposal prior to demolition of the buildings (including, but not limited to, mercury vapor lamps, mercury switches, lead-acid batteries, containerized chemicals/oils, oil-containing equipment, etc.). The results of the hazardous/regulated materials assessment are summarized in the *Hazard Inventory of Buildings 107, 108, 109, 110, 111, 112, 113, 114, & 115* (prepared by Chemcept, dated December 13, 2004), which is provided as Appendix B to this Report.

1.4.3.3 Asbestos Survey

As part of the pre-demolition assessment work, BBL retained ATC Associates, Inc. (ATC) to conduct an asbestos survey of the site buildings scheduled for demolition. The asbestos survey was conducted to document the presence, approximate location, condition, and estimated quantity of known or suspected asbestos-containing material (ACM) associated with the site buildings. During the asbestos survey, ACM was identified at numerous locations within the site buildings and included, but was not limited to, window/door caulking, gaskets, roof materials, floor tile, mastic, joint compound, transite, fittings, sealant, paint, insulation, etc. The results of the asbestos survey are summarized in the *Asbestos and Lead Inspection Report* (prepared by ATC, dated December 29, 2004), which is provided as Appendix C to this Report.

1.4.3.4 Lead-Based Paint Survey

ATC also conducted a lead-based paint (LBP) survey of the buildings scheduled for demolition. The LBP survey was conducted to determine the presence of LBP associated with various building components. The findings of the LBP survey indicated that LBP was identified at several locations within the site buildings. The results of the LBP survey are summarized in the *Asbestos and Lead Inspection Report* (prepared by ATC, dated December 29, 2004), which is provided as Appendix C to this Report.

2. Decommissioning Activities

2.1 General

This section presents a description of decommissioning activities conducted at the site generally prior to building demolition work.

2.2 Pre-Demolition Environmental Removal Activities

2.2.1 General

BBLES conducted predemolition environmental removal activities of potentially hazardous and/or regulated materials at the site. In general, items of environmental concern targeted for removals were identified in the *Hazard Inventory of Buildings 107, 108, 109, 110, 111, 112, 113, 114, & 115* (Appendix B) and/or as identified by BBLES during pre-demolition removal activities. The following types of materials were removed:

- asbestos;
- mercury and mercury-containing material;
- potential PCB-containing devices;
- refrigerant-containing equipment;
- sprinkler heads containing lead;
- LBP;
- oils contained in equipment and the elevator shaft; and
- liquids/solids encountered in process piping, sumps, pits, and trenches.

A discussion of the pre-demolition activities is presented below.

2.2.2 Asbestos Removal

BBLES competitively retained Royal Environmental, Inc. (Royal), a Massachusetts Department of Labor and Workforce Development (DLWD) licensed asbestos contractor to perform asbestos removal services at the site. Royal removed asbestos-containing material (ACM) as identified in the *Asbestos and Lead Inspection Report* (Appendix C) and additional ACM discovered during asbestos removal activities as summarized below. Royal employed appropriate engineering controls during asbestos removal activities including: isolated each work area, installed HEPA-filtered negative pressure exhaust fans, used industry standard techniques including wetting of asbestos with water, and constructed an appropriate three-stage decontamination unit.

Additional ACM was encountered at the site and subsequently removed during the asbestos removal work that was not previously identified in the *Asbestos and Lead Inspection Report.* The additional ACM included: hidden floor and wall-board materials in Buildings 108 and 111, spray-on insulation on the Building 109 roof beams/eves, and select areas of pipe insulation from the high-truss steam line running from Buildings 51 to 109.

Asbestos removal activities were monitored by ATC. ATC provided asbestos project management, air monitoring and sample analysis, and final inspection/clearance of asbestos removal work areas under a subcontract to BBLES. Prior to the start of asbestos removal work, ATC inspected the asbestos enclosure for compliance with current asbestos abatement regulations. During asbestos removal activities, ATC observed the removal work and collected ambient air samples in the areas surrounding the work area. All air samples collected during the asbestos removal work were less than 0.01 fibers per cubic centimeter, well below acceptable regulatory levels. Upon completion of asbestos removal in a work area, ATC performed a visual inspection of the area in accordance with Massachusetts DLWD regulations (453 CMR 6.00) and collected and analyzed final work-area air samples to document satisfying the established clearance criteria of 0.01 fibers per cubic centimeter. Asbestos removal activities are summarized in the *Asbestos Abatement Final Report*, prepared by ATC, August 2005, which is provided as Appendix D to this report.

2.2.3 Mercury-Containing Material

BBLES conducted removal of mercury-containing materials (i.e., fluorescent lamps, mercury vapor lamps, high-pressure sodium lamps, limit switches, thermometers, and thermostats) within each site building. Mercury-containing materials were removed from the buildings and transferred to a temporary staging area where they were consolidated and containerized. Mercury-containing devices were placed in United States Department of Transportation- (USDOT-) approved waste containers prior to offsite disposal/recycling. Lamps were packaged in cardboard boxes (with the openings of the boxes secured to prevent breakage of the lamps) to facilitate recycling. A summary of the quantity and off-site disposition of mercury-containing material as prepared by GEAM's waste T&D contactor, Onyx is provided in Appendix I.

2.2.4 Potential PCB-Containing Devices

BBLES removed potential PCB/di(2-ethylhexyl)phthalate- (DEHP-) containing light ballasts from light fixtures and sampled oil from site transformers to determine if any transformers contained oil with detectable levels of PCBs. As indicated in Table 2A, all oil-samples taken at the site were non-detect for PCB's. Following removal, light ballasts were collected and transferred to a temporary staging area, where they were consolidated, containerized, and segregated into two groups: "PCB-containing" and "No PCBs". Unless clearly labeled "No PCBs," the light ballasts were assumed to contain PCBs. Following segregation, the PCB-containing ballasts were placed into USDOT-approved waste containers, labeled and staged pending offsite disposition. A summary of the quantity and off-site disposition of PCB-containing devices as prepared by GEAM's waste T&D contactor, Onyx, is provided in Appendix H.

2.2.5 Refrigerant-Containing Equipment

As identified in the *Hazard Inventory of Buildings 107, 108, 109, 110, 111, 112, 113, 114, & 115* (Appendix B), equipment was identified at the site that contained chlorofluorocarbons [CFCs]) including but not limited to:

- drinking fountains;
- air-conditioning (AC) units;
- refrigerators/ice makers; and
- compressors.

Refrigerant evacuation activities were performed in accordance with 40 CFR 82 by certified reclamation personnel from Four Seasons Heating and Cooling, Inc. (Four Seasons) of Dalton, Massachusetts. Recovered refrigerant was segregated by refrigerant type and was transferred into labeled recovery tanks (in accordance with USDOT and Massachusetts Department of Transportation [MDOT] regulations) and transported offsite for reclamation. A summary of recovered refrigerants, *HCFC Recovery Record*, as prepared by Four Seasons is provided in Appendix E.

2.2.6 Sprinkler Heads Containing Lead

BBLES removed sprinkler system heads containing lead as encountered within the site buildings. Following removal, the sprinkler heads were collected and transferred to a temporary staging area, where they were consolidated and containerized into USDOT-approved waste containers, labeled, and staged pending offsite disposition. A summary of the quantity and off-site disposition of sprinkler system heads containing lead as prepared by GEAM's waste T&D contactor, Onyx is provided in Appendix H.

2.2.7 Lead Based Paint

Minimal areas of loose LBP were identified in the *Hazard Inventory of Buildings 107, 108, 109, 110, 111, 112, 113, 114, & 115* (Appendix B). Concurrent with asbestos removal activities, areas of loose paint were removed in accordance with the Occupational Safety and Health Administration (OSHA) Lead Construction Standard (29 Code of Federal Regulations [CFR] 1926.62), which specifies health and safety requirements during construction, alterations, and/or repair of a structure when employees may be occupationally exposed to lead. The lead abatement activities consisted of removing identified loose LBP using hand-scraping techniques and vacuuming surfaces using a HEPA-filtered vacuum. Waste materials generated during lead paint removal activities were placed into a USDOT-approved waste container, properly labeled, and staged pending offsite disposition. A summary of the quantity and off-site disposition of loose LBP as prepared by GEAM's waste T&D contactor, Onyx is provided in Appendix H.

2.2.8 Oils Contained in Equipment and the Building 109 Elevator Shaft Cylinder

BBLES drained oil from equipment as encountered within the site buildings and pumped-out oil from the Building 109 elevator shaft cylinder. Prior to and concurrent with oil removal, BBLES sampled the encountered oil for waste characterization purposes. As indicated in Table 2A, all oil samples collected at the site were found to be non-detect for PCBs. Following removal, the oil was transferred to a temporary staging area, where the recovered oil was consolidated and containerized into USDOT-approved waste containers, labeled, and staged pending offsite disposition. A summary of the quantity and off-site disposition of the recovered oil as prepared by GEAM's waste T&D contactor, Onyx, is provided in Appendix H.

2.2.9 Liquids/Solids Encountered in Process Piping, Sumps, Pits, and Trenches

BBLES conducted an inspection of process piping, sump, pits, and floor drains to confirm the absence of oils, liquids, and/or solids. The inspection results indicated the presence of liquids and/or solids at certain locations throughout the site. Where liquids/solids were encountered, cleaning activities consisted of the removal of the liquid/sludge via pumping, vacuuming, and/or hand shoveling. After the subject sump, pit, and/or trench was

cleaned, BBLES filled the sump, pit, and/or trench with flowable-fill to grade. Prior to and subsequent to liquids/solids removal, BBLES sampled the encountered liquids/solids for waste characterization purposes. A summary of analytical results for the sampled liquids/solids is provided in Tables 2A, 2B, and 2C. Following removal, liquid and solid waste materials were removed from the building and transferred to a temporary staging area, where they were characterized as necessary, consolidated into USDOT-approved waste containers, and staged pending offsite disposition. A summary of the quantity and off-site disposition of the recovered oil as prepared by GEAM's waste T&D contactor, Onyx, is provided in Appendix H.

2.3 Utility Disconnection

Prior to demolition, utility service to the site was terminated. This work was performed by a combination of GEAM and BBLES subcontractors. Electric service, fire supply, water service, natural gas service, and sanitary sewers were terminated (capped) at the site or building boundaries by GEAM. At the request of GEAM, BBLES located and terminated all building sanitary sewer connections within the site buildings (i.e., sewer stick-ups). Each sanitary sewer connection was cut flush with the building first floor slab and plugged with concrete prior to building demolition. A site map titled *Utilities Site Plan (As Built)*, prepared by Hill, dated August 2005, indicating completed utility terminations is provided as Figure 3.

2.4 Paint Chip Sampling

At the request of GEAM, BBLES collected paint chip samples from painted steel surfaces through the site buildings. The paint chip samples where analyzed for PCBs in order to assist GEAM with determining a waste disposal strategy for the project. PCBs were detected in paint chip samples at concentrations up to 24 parts per million (ppm) as summarized in Table 2A.

3. Demolition Activities

3.1 Demolition Activities

Building demolition activities were performed by Sabre Demolition, Inc. (Sabre), a Massachusetts licensed demolition contractor (license # MA 03-1181) under the terms of a competitively awarded subcontract to BBLES. In general, demolition activities performed by BBLES/Sabre included the following activities:

- Secured a City of Pittsfield Demolition Permit for building demolitions (provided in Appendix F of this Report);
- Established sediment and erosion control measures and temporary site security fencing;
- Disconnected utility service to the site buildings (utility disconnects performed by GEAM);
- Demolished site buildings, tank farms, overhead steam lines, the Building 51 potable water tank, and other site appurtenances;
- Loaded demolition debris into waste containers for off-site transportation and disposal (waste transportation and disposal was performed by Onxy under direct contract to GEAM);
- Signed/Managed waste manifests as an agent for GEAM;
- Punched holes in the remaining building slabs at roughly 25 feet-on-center spacing to promote site drainage; and
- Conducted site restoration activities including filling low areas with crushed stone, site cleanup, and demobilization.

In general, site demolition work was conducted using standard equipment (track mounted excavators with shear, hammer, and bucket attachments). Demolition activities commenced with removal of portions of the overhead steam line. Building demolition began with Building 114, 115 and the associated tank farms and generally proceeded across the site from east to west. A larger tracked excavator fitted with a shear was typically used to demolish elevated buildings and size steel debris with an additional smaller tracked excavator fitted with a hammer used to demolish first floor structures and size concrete material. Loading of waste containers was performed using both excavators with a majority of the loading being performed with a bucket attachment on the smaller excavator. In addition, a small bobcat was used for site clean-up work. No unusual or unanticipated events occurred during demolition.

3.2 Erosion and Sedimentation Control Measures

Sabre implemented erosion and sedimentation control measures for the building demolition activities prior to beginning demolition work. The erosion and sedimentation control measures included wrapping all site storm drain inlet drainage grates with filter fabric and establishing a down gradient silt fence and hay-bale perimeter.

Sediment control measures were maintained throughout the demolition work and were removed upon demobilization from the site.

3.3 Site Security

Temporary fencing and appropriate signage was established as necessary to secure the demolition site from the GEAM facility. Portions of the site were secured using concrete jersey barriers to direct traffic away from the site. Temporary fencing and/or caution tape was installed at all drop-offs (breaks in grade) of greater than 24-inches. Waste haul routes were established with GEAM site personnel. Certain demolition activities that occurred outside the secured area (e.g., removal of the Building 51 potable water tank, removal of the area light tower south of Building 51) were performed after-hours and/or on weekends to minimize conflict with facility traffic/personnel. Security fencing, signage, and barriers were inspected on a daily basis, repaired as necessary, and removed upon completion of demolition activities.

3.4 Dust Control Measures

Dust control measures implemented to mitigate dust generation during the project included spraying water on equipment surfaces, building surfaces, haul and loading areas, and demolition debris. In addition, routine sweeping of the remaining building slabs occurred during demolition activities.

3.5 Noise Control

During the demolition activities, noise levels were maintained at safe and tolerable levels as set forth by OSHA and local code ordinances. Construction equipment presenting a potential noise nuisance was equipped with muffling devices.

3.6 Air Monitoring

Berkshire Environmental Consultants, Inc. (BEC) was subcontracted by BBLES to perform an ambient air sampling program for PCBs and particulate matter during active demolition work at the site. As such, air sampling was conducted from June 8 through July 21, 2005 at the site. The air sampling program included daily monitoring for particulate matter and periodic high-volume air sampling for PCBs at three on-site locations and one background location during four, 24-hour periods.

The highest average daily particulate concentration recorded during demolition activities was 0.144 milligrams per cubic meter (mg/m^3) which exceeded the notification level of 0.120 mg/m3 but did not exceed the 24-hour National Ambient Air Quality Standard (NAAQS). Upon review of the data, this result was determined to be biased high due to high relative humidity levels. The highest PCB concentration observed during any of the four 24-hour monitoring periods was 0.0077 ug/m3 at the background location and none of the measured PBC concentrations exceeded the notification level of 0.05 ug/m3 during any of the sampling periods. A summary of the air monitoring program is provided in the *Ambient Air Monitoring for PCB and Particulate Matter,* dated June/July 2005, as prepared by BEC which is provided as Appendix G to this Report.

3.7 Waste Handling, Transportation and Disposal

Demolition debris was loaded into 25- to 30-cubic yard (cy) roll-off containers and 55- to 60-cy dump trailers. Debris was sized to meet the sizing requirements of the disposal facility and in order to efficiently fill the waste containers (i.e., maximize the loaded weight of the container without exceeding the legal load limit). In order to monitor the efficiency of the waste loading process, each loaded waste container was weighed at the GE-owned East Street truck scale prior to off-site transport. In this manner, if the waste container was either over-loaded or substantially under-loaded, the truck would be directed to return to the site for subsequent loading/unloading.

GEAM elected to dispose of all demolition debris as TSCA-regulated waste materials. GEAM directly contracted with Onyx to perform waste transportation and disposal. All asbestos and demolition debris waste materials were disposed of at the CWM's Model City Facility located in Model City, New York. A summary of asbestos and demolition debris waste material generated as part of this project as prepared by Onyx is provided in Appendix H. Copies of waste manifests may be provided to GEAM by Onxy.

3.8 Site Restoration and Demobilization

Upon completion of demolition activities, the entire site area was swept to remove remaining dust/debris and any remaining re-bar was cut at grade. Site restoration activities included placing and grading crushed stone to fill low areas (e.g., remaining pits) and breaks in grade (e.g., foundation walls) created by the demolition of the site buildings. Erosion and sedimentation control devices and site temporary security fencing were removed upon demobilization.

Demolition equipment that was in direct contact with demolition debris was decontaminated by Sabre using a water and Alconox wash/rinse. After decontamination, BBLES collected confirmatory wipe samples from the equipment. All confirmatory wipe samples were analyzed for PCBs and found to be non-detect. Wipe sample analytical results are provided in Table 2D.

Table 1

BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

GE ADVANCED MATERIALS
SITE NO. 1 DECOMMISSIONING & DEMOLITION

PRIMARY PROJECT CONTACTS AND ROLES/RESPONSIBILITIES

Company	Primary Contact	Roles/Responsibility
GE Advanced Materials One Plastics Avenue Pittsfield, MA 01201 (413) 448-5471 (866) 250-6908 (fax)	Dennis Arseneau dennis.arseneau@ge.com	Project Owner/Client
Hill Engineers, Architects, Planners 50 Depot Street Dalton, MA 01226 (413) 448-6665 (413) 448-5445 (fax)	Daniel Downer daniel.downer@ge.com	Project Oversight
BBL Environmental Services, Inc. 6723 Towpath Road, Box 66 Syracuse, NY 13214-0066 (315) 446-9120 (315) 446-5807 (fax)	David Gerber drg@bbl-inc.com	Construction Manager/General Contractor
ATC Associates, Inc. 73 William Frank Drive West Springfield, MA 01089 (413) 781-0070 (413) 781-3734 (fax)	Derrick Wissman	Asbestos Project Monitoring
Royal Environmental, Inc. P.O. Box 15719 Rochester, NY 14615 (585) 254-1840 (585) 254-3134 (fax)	Lyle Grant	Environmental Removals & Asbestos Abatement
Four Seasons Heating & Cooling, Inc. 134 East Housatonic Street Dalton, MA 01227 (413) 684-4500 (413) 684-4900 (fax)	Steve Batanglo	CFC Removal
Sabre Demolition Corporation 73 East Genesee Street Baldwinsville, NY 13027 (315) 635-3759 (315) 635-3790 (fax)	Steve Dixon	Building Demolition

GE ADVANCED MATERIALS
SITE NO. 1 DECOMMISSIONING & DEMOLITION

PRIMARY PROJECT CONTACTS AND ROLES/RESPONSIBILITIES

Company	Primary Contact	Roles/Responsibility
Berkshire Environmental Consultants, Inc. 152 North Street Suite 250 Pittsfield, MA 01201 413-443-0130 413-443-1297 (fax)	Maura Hawkins	Air Monitoring
SGS Environmental Services, Inc. 1258 Greenbuier Street Charleston, WV 25311 304-345-0726 304-346-0761 (fax)	Chris Couch Chris.couch@sgs.com	Laboratory Analytical

Table 2A

BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

TABLE 2A

GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1 DEMOLITION PROJECT
ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENYLS (PCBs)
(Results are presented in parts per million, ppm)

Sample ID	Matrix	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Building 107										
107-1-PC-1	Paint	5/3/2005	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	3.2	7.2	10.4
107-1-PC-2	Paint	5/3/2005	ND(10)	ND(10)	ND(10)	41	ND(10)	ND(10)	ND(10)	41
107-A2207-SOLIDS-1	Solid	4/22/2005	ND(0.067)	ND(0.067)	ND(0.067)	ND(0.067)	0.14	0.36	0.75	1.25
Building 108										
108-1-1-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
108-1-2-OIL-1	Oil	4/5/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
108-1-3-OIL-1	Oil	4/5/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
108-1-4-OIL-1	Oil	4/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
108-1-5-OIL-1	Oil	4/5/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
108-1-6-OIL-1	Oil	4/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
108-1-PC-1	Paint	5/3/2005	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	ND(0.10)	1.1	2.2	3.3
108-1-PC-2	Paint	5/3/2005	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	6.6	5.1	11.7
108-F1669-OIL-1	Oil	4/5/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
108-F1670-OIL-1	Oil	4/5/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
108-F1671-OIL-1	Oil	4/5/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
108-F1672-OIL-1	Oil	4/5/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Building 109										
109-1-1-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
109-1-2-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
109-1-3-OIL-1	Oil	4/5/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
109-1B-GLYCOL-1	0-0	3/25/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
109-1-PC-1	Paint Paint	5/3/2005 5/3/2005	ND(0.50) [ND(0.50)]	ND(0.50) [ND(0.50)]	ND(0.50) [ND(0.50)]	ND(0.50) [ND(0.50)]	ND(0.50) [ND(0.50)]	9.5 [6.4]	4.8 [4.3]	14.3 [10.7]
109-1-PC-2	Paint Paint	5/3/2005 5/3/2005	ND(0.50) [ND(0.50)]	ND(0.50) [ND(0.50)]	ND(0.50) [ND(0.50)]	ND(0.50) [ND(0.50)]	ND(0.50) [ND(0.50)]	6.0 [5.1]	4.5 [2.4]	10.5 [7.5]
109-A0623-SOLIDS-1	Solid	4/22/2005	ND(0.061)	ND(0.061)	ND(0.061)	ND(0.061)	0.10	0.31	0.36	0.77
109-B1526-WATER-1	Water	4/18/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
109-B1527-WATER-1	Water	4/18/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000045 J	ND(0.000065)	0.000045 J
109-B1528-WATER-1	Water	4/8/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.00015	ND(0.000065)	0.00015
109-C1281-OIL-1	Oil	5/5/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
109-C1285-OIL-1	Oil	5/5/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
109-ELEVATOR-OIL-1	Oil	4/18/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
109-ELEVATOR-WATER-1	Water	4/18/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000053 J	ND(0.000065)	0.000053 J

TABLE 2A

GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1 DEMOLITION PROJECT
ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENYLS (PCBs)
(Results are presented in parts per million, ppm)

Sample ID	Matrix	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
Building 110										
110-1A-GLYCOL-1	Water	3/25/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.0019	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.0019
110-1F-GLYCOL-1	Water	3/25/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
110-1G-GLYCOL-1	Water	3/25/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000077	ND(0.000065)	0.000077
	Water	3/25/2005	[ND(0.000065)]	[ND(0.000065)]	[ND(0.000065)]	[ND(0.000065)]	[ND(0.000065)]	[0.00020]	[ND(0.000065)]	[0.00020]
110-1-PC-1	Paint Chips	4/27/2005	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	2.5	2.2	1.1	5.8
110-1-PC-2	Paint	5/3/2005	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	0.56	0.96	1.52
110-2-1-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
110-2-2-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
110-A0624-SOLID-1	Solid	4/15/2005	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	ND(0.038)	0.64	0.64
110-C1450-WATER-1	Water	4/18/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Building 111										
111-A2208-SOLIDS-1	Solid	4/22/2005	ND(0.086)	ND(0.086)	ND(0.086)	ND(0.086)	1.5	1.0	1.4	3.9
111-B1524-WATER-1	Water	4/21/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
Building 112										
112-1-1-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
112-1-2-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
112-1-PC-1	Paint	5/3/2005	ND(2.0)	ND(2.0)	ND(2.0)	17	ND(2.0)	ND(2.0)	ND(2.0)	17
112-1-PC-2	Paint	5/3/2005	ND(10)	ND(10)	ND(10)	93	ND(10)	ND(10)	ND(10)	93
112-SUMPS-SOLIDS-COMP-1	Solid	4/22/2005	ND(0.047)	ND(0.047)	ND(0.047)	ND(0.047)	1.1	0.34	0.39	1.83
Building 113										
113-1-1-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
113-1-2-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
113-1-3-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
113-1-4-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
113-B1519-WATER-1	Water	4/21/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
113-B1525-WATER-1	Water	4/18/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
113-B1597-WATER-1	Water	4/21/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
113-B1598-WATER-1	Water	4/21/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
113-PC-1	Paint Chips	4/27/2005	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	ND(0.20)	0.55	1.3	1.85
Building 114										
114-1-1-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
114-1-2-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
114-1-3-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
114-1-4-OIL-1	Oil	3/31/2005	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)	ND(4.0)
114-1-17-GLYCOL-1	Glycol	3/31/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
114-1E-GLYCOL-1	Water	3/25/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	0.000077	ND(0.000065)	0.000077
114-1-PC-2	Paint	5/3/2005	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	ND(0.40)	1.7	2.3	4.0
114-2-1-OIL-1	Oil	4/1/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
114-2-2-OIL-1	Oil	4/1/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
114-2-3-OIL-1	Oil	4/1/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
114-2-4-OIL-1	Oil	4/1/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

TABLE 2A

GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1 DEMOLITION PROJECT
ANALYTICAL RESULTS FOR POLYCHLORINATED BIPHENYLS (PCBs)
(Results are presented in parts per million, ppm)

Sample ID	Matrix	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
114-2-5-OIL-1	Oil	4/1/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
114-3-1-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
114-B1530-WATER-1	Water	4/21/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
114-B1531-WATER-1	Water	4/8/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
114-F1160-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
114-F1661-OIL-1	Oil	4/7/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
114-F1662-WATER-1	Water	4/7/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
114-F1663-WATER-1	Water	4/7/2005	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)	ND(0.000065)
114-F1796-OIL-1	Oil	3/31/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
114-ROOF-1-OIL-1	Oil	4/6/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
114-SUMP-COMP-SOLID-1	Solid	4/15/2005	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	ND(0.035)	0.22	0.49	0.71

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS Environmental Services, Inc. for analysis of PCBs, volaitiles, semivolatiles, RCRA metals, flashpoint and TCLP constituents.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Field duplicate sample results are presented in brackets.
4. Shading indicates that value exceeds 50 ppm.
5. Please refer to Table 2 for a summary of volaitiles, semivolatiles, RCRA metals, flashpoint and to Table 3 for a summary of TCLP constituents

Data Qualifiers:

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

Table 2B

BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

TABLE 2B

GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1 DEMOLITION PROJECT
ANALYTICAL RESULTS FOR APPENDIX IX+3 CONSTITUENTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	109-B1526-WATER-1 04/18/05	109-B1527-WATER-1 04/18/05	109-B1528-WATER-1 04/08/05	109-ELEVATOR-WATER-1 04/18/05
Volatile Organics				
Benzene	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)
Carbon Disulfide	ND(0.010)	0.028	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)
Ethylbenzene	ND(0.010)	ND(0.010)	ND(0.0050)	ND(0.0050)
Methylene Chloride	0.0078 J	0.0054 J	0.0080	ND(0.0050)
Toluene	0.32	0.41	0.49	ND(0.0050)
Xylenes (total)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.010)	0.0016 J	ND(0.10)	ND(0.010)
1,2-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.10)	ND(0.010)
2,4,5-Trichlorophenol	0.031	0.029	0.034 J	ND(0.010)
2-Chlorophenol	ND(0.010)	ND(0.010)	ND(0.10)	ND(0.010)
2-Methylphenol	0.0054 J	0.0056 J	0.022 J	ND(0.010)
3&4-Methylphenol	0.0056 J	ND(0.010)	ND(0.10)	ND(0.010)
Acetophenone	0.083	0.17	ND(0.10)	ND(0.010)
Benzo(a)anthracene	ND(0.010)	ND(0.010)	ND(0.10)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	ND(0.050)	ND(0.0060)
Chrysene	ND(0.010)	ND(0.010)	ND(0.10)	ND(0.010)
Fluorene	ND(0.010)	ND(0.010)	ND(0.10)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.10)	ND(0.010)
Pentachlorophenol	0.0015 J	0.0020 J	ND(0.50)	ND(0.050)
Phenol	0.050	0.13	ND(0.10)	ND(0.010)
Inorganics				
Arsenic	0.140	0.0990	0.120	ND(0.00500)
Barium	0.00660	0.0370	0.0110	0.00340
Cadmium	0.00130	0.00500	0.00200	0.00100
Chromium	0.0270	0.0520	0.0250	0.00140 B
Lead	0.0340	0.190	0.0580	0.0150
Mercury	0.00110	0.00160	0.00110	0.000290
Selenium	0.00480 B	0.00540	ND(0.00500)	ND(0.00500)
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Conventional Parameters				
Flash Point (^{o}F)	>180	>180	>180	NA

TABLE 2B

GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1 DEMOLITION PROJECT
ANALYTICAL RESULTS FOR APPENDIX IX+3 CONSTITUENTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	110-C1450-WATER-1 04/18/05	111-B1524-WATER-1 04/21/05	113-B1519-WATER-1 04/21/05	113-B1525-WATER-1 04/18/05
Volatile Organics				
Benzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Carbon Disulfide	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Chlorobenzene	ND(0.0050)	0.00066 J	ND(0.0050)	ND(0.0050)
Ethylbenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.0050)
Methylene Chloride	ND(0.0050)	ND(0.0050)	0.0012 J	ND(0.0050)
Toluene	ND(0.0050)	ND(0.0050)	0.0061	0.00097 J
Xylenes (total)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2,4,5-Trichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Chlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
2-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
3&4-Methylphenol	ND(0.010)	ND(0.010)	0.0027 J	ND(0.010)
Acetophenone	ND(0.010)	ND(0.010)	0.0025 J	ND(0.010)
Benzo(a)anthracene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.0060)
Chrysene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Fluorene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Pentachlorophenol	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.050)
Phenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.010)
Inorganics				
Arsenic	ND(0.00500)	ND(0.00500)	0.0240	ND(0.00500)
Barium	0.0360	0.000900 B	0.0240	0.0310
Cadmium	0.00240	ND(0.00100)	0.00130	ND(0.00100)
Chromium	ND(0.00500)	0.00110 B	0.00680	0.0510
Lead	0.00800	0.00370 B	0.0380	0.0140
Mercury	0.000130 B	ND(0.000200)	0.000230	0.000450
Selenium	0.00540	ND(0.00500)	ND(0.00500)	0.00690
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Conventional Parameters				
Flash Point (^{o}F)	>180	>180	>180	>180

TABLE 2B

GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1 DEMOLITION PROJECT
ANALYTICAL RESULTS FOR APPENDIX IX+3 CONSTITUENTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	113-B1597-WATER-1 04/21/05	113-B1598-WATER-1 04/21/05	114-B1530-WATER-1 04/21/05	114-B1531-WATER-1 04/08/05
Volatile Organics				
Benzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	0.56
Carbon Disulfide	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.50)
Chlorobenzene	ND(0.0050)	0.00067 J	ND(0.0050)	15
Ethylbenzene	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.50)
Methylene Chloride	ND(0.0050)	ND(0.0050)	ND(0.0050)	ND(0.50)
Toluene	ND(0.0050)	ND(0.0050)	ND(0.0050)	1.4
Xylenes (total)	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.50)
Semivolatile Organics				
1,2,4-Trichlorobenzene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.10)
1,2-Dichlorobenzene	ND(0.010)	ND(0.010)	0.080	31
2,4,5-Trichlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.10)
2-Chlorophenol	ND(0.010)	ND(0.010)	ND(0.010)	0.030 J
2-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.10)
3&4-Methylphenol	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.10)
Acetophenone	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.10)
Benzo(a)anthracene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.10)
bis(2-Ethylhexyl)phthalate	ND(0.0060)	ND(0.0060)	ND(0.0060)	ND(0.050)
Chrysene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.10)
Fluorene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.10)
Naphthalene	ND(0.010)	ND(0.010)	ND(0.010)	ND(0.10)
Pentachlorophenol	ND(0.050)	ND(0.050)	ND(0.050)	ND(0.50)
Phenol	ND(0.010)	ND(0.010)	ND(0.010)	0.042 J
Inorganics				
Arsenic	ND(0.00500)	ND(0.00500)	0.0100	ND(0.00500)
Barium	0.0160	0.00780	0.500	0.0660
Cadmium	ND(0.00100)	ND(0.00100)	0.0180	0.00430
Chromium	0.0340	0.0140	0.0650	0.0340
Lead	0.0110	0.00750	0.450	0.170
Mercury	0.000220	ND(0.000200)	0.0220	0.00310
Selenium	ND(0.00500)	ND(0.00500)	0.0220	ND(0.00500)
Silver	ND(0.00500)	ND(0.00500)	ND(0.00500)	ND(0.00500)
Conventional Parameters				
Flash Point (^{o}F)	>180	>180	>180	>180

TABLE 2B

GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1 DEMOLITION PROJECT
ANALYTICAL RESULTS FOR APPENDIX IX+3 CONSTITUENTS
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	114-F1661-OIL-1 04/07/05	114-F1662-WATER-1 04/07/05	114-F1663-WATER-1 04/07/05
Volatile Organics			
Benzene	ND(0.21)	0.28	0.024 J
Carbon Disulfide	ND(0.21)	ND(0.10)	ND(0.10)
Chlorobenzene	ND(0.21)	6.5	2.0
Ethylbenzene	0.34	ND(0.10)	ND(0.10)
Methylene Chloride	ND(0.21)	ND(0.10)	ND(0.10)
Toluene	1.6	0.082 J	ND(0.10)
Xylenes (total)	2.5	ND(0.10)	ND(0.10)
Semivolatile Organics			
1,2,4-Trichlorobenzene	ND(130)	ND(0.010)	ND(0.010)
1,2-Dichlorobenzene	ND(130)	1.3	0.58
2,4,5-Trichlorophenol	ND(130)	ND(0.010)	ND(0.010)
2-Chlorophenol	ND(130)	0.0027 J	0.0021 J
2-Methylphenol	ND(130)	ND(0.010)	ND(0.010)
3&4-Methylphenol	ND(130)	ND(0.010)	ND(0.010)
Acetophenone	ND(130)	ND(0.010)	ND(0.010)
Benzo(a)anthracene	560	ND(0.010)	ND(0.010)
bis(2-Ethylhexyl)phthalate	ND(66)	0.011	0.019
Chrysene	540	ND(0.010)	ND(0.010)
Fluorene	92 J	ND(0.010)	ND(0.010)
Naphthalene	ND(130)	0.0016 J	0.0041 J
Pentachlorophenol	ND(660)	ND(0.050)	ND(0.050)
Phenol	ND(130)	0.0025 J	0.0097 J
Inorganics			
Arsenic	0.410 B	0.00690	ND(0.00500)
Barium	ND(0.150)	0.480	0.0830
Cadmium	ND(0.150)	0.0590	0.0160
Chromium	0.320 B	0.460	0.0890
Lead	ND(0.750)	1.60	0.500
Mercury	ND(0.200)	0.0520	0.0220
Selenium	0.820 B	0.0260	ND(0.00500)
Silver	43.0	0.00130 B	ND(0.00500)
Conventional Parameters			
Flash Point (^{o}F)	>180	>180	>180

Notes:
1. Samples were collected by Blasland, Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs, volatiles, semivolatiles, RCRA metals and flashpoint.
2. NA - Not Analyzed.
3. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
4. Only those constituents detected in one or more samples are summarized.
5. Please refer to Table 1 for a summary of PCBs.

Data Qualifiers:

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

Inorganics
B - Indicates an estimated value between the instrument detection limit (IDL) and PQL.

Table 2C

BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

TABLE 2C

GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1 DEMOLITION PROJECT
ANALYTICAL RESULTS FOR TCLP ANALYSES
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	107-A2207-SOLIDS-1 4/22/2005	109-A0623-SOLIDS-1 4/22/2005	110-A0624-SOLID-1 4/15/2005
Volatile Organics				
1,1-Dichloroethene	0.7	ND(0.10)	ND(0.10)	ND(0.10)
1,2-Dichloroethane	0.5	ND(0.10)	ND(0.10)	ND(0.10)
2-Butanone	200	ND(0.20)	ND(0.20)	ND(0.20)
Benzene	0.5	ND(0.10)	ND(0.10)	ND(0.10)
Carbon Tetrachloride	0.5	ND(0.10)	ND(0.10)	ND(0.10)
Chlorobenzene	100	ND(0.10)	ND(0.10)	ND(0.10)
Chloroform	6	ND(0.10)	ND(0.10)	ND(0.10)
Tetrachloroethene	0.7	ND(0.10)	ND(0.10)	ND(0.10)
Trichloroethene	0.5	ND(0.10)	ND(0.10)	ND(0.10)
Vinyl Chloride	0.2	ND(0.10)	ND(0.10)	ND(0.10)
Semivolatile Organics				
1,4-Dichlorobenzene	7.5	ND(0.050)	ND(0.050)	ND(0.050)
2,4,5-Trichlorophenol	400	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	2	ND(0.050)	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene	0.13	ND(0.050)	ND(0.050)	ND(0.050)
Cresol	200	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobenzene	0.13	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobutadiene	0.5	ND(0.050)	ND(0.050)	ND(0.050)
Hexachloroethane	3	ND(0.050)	ND(0.050)	ND(0.050)
Nitrobenzene	2	ND(0.050)	ND(0.050)	ND(0.050)
Pentachlorophenol	100	ND(0.050)	ND(0.050)	ND(0.050)
Pyridine	5	ND(0.050)	ND(0.050)	ND(0.050)
Inorganics				
Arsenic	5	ND(0.100)	ND(0.100)	ND(0.100)
Barium	100	0.300	0.400	0.260
Cadmium	1	0.0480	0.300	0.0760
Chromium	5	ND(0.0500)	0.00670 B	0.00290 B
Lead	5	0.0120 B	0.550	0.380
Mercury	0.2	ND(0.00200)	ND(0.00200)	ND(0.00200)
Selenium	1	ND(0.200)	0.00570 B	0.00590 B
Silver	5	0.00120 B	ND(0.0200)	ND(0.0200)

TABLE 2C

GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1 DEMOLITION PROJECT
ANALYTICAL RESULTS FOR TCLP ANALYSES
(Results are presented in parts per million, ppm)

Parameter / Sample ID: / Date Collected:	TCLP Regulatory Limits	111-A2208-SOLIDS-1 4/22/2005	112-SUMPS-SOLIDS-COMP-1 4/22/2005	114-SUMP-COMP-SOLID-1 4/15/2005
Volatile Organics				
1,1-Dichloroethene	0.7	ND(0.10)	ND(0.10)	ND(0.10)
1,2-Dichloroethane	0.5	ND(0.10)	ND(0.10)	ND(0.10)
2-Butanone	200	ND(0.20)	ND(0.20)	ND(0.20)
Benzene	0.5	ND(0.10)	ND(0.10)	ND(0.10)
Carbon Tetrachloride	0.5	ND(0.10)	ND(0.10)	ND(0.10)
Chlorobenzene	100	ND(0.10)	ND(0.10)	ND(0.10)
Chloroform	6	ND(0.10)	ND(0.10)	ND(0.10)
Tetrachloroethene	0.7	ND(0.10)	ND(0.10)	ND(0.10)
Trichloroethene	0.5	ND(0.10)	ND(0.10)	ND(0.10)
Vinyl Chloride	0.2	ND(0.10)	ND(0.10)	ND(0.10)
Semivolatile Organics				
1,4-Dichlorobenzene	7.5	ND(0.050)	ND(0.050)	ND(0.050)
2,4,5-Trichlorophenol	400	ND(0.050)	ND(0.050)	ND(0.050)
2,4,6-Trichlorophenol	2	ND(0.050)	ND(0.050)	ND(0.050)
2,4-Dinitrotoluene	0.13	ND(0.050)	ND(0.050)	ND(0.050)
Cresol	200	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobenzene	0.13	ND(0.050)	ND(0.050)	ND(0.050)
Hexachlorobutadiene	0.5	ND(0.050)	ND(0.050)	ND(0.050)
Hexachloroethane	3	ND(0.050)	ND(0.050)	ND(0.050)
Nitrobenzene	2	ND(0.050)	ND(0.050)	ND(0.050)
Pentachlorophenol	100	ND(0.050)	ND(0.050)	ND(0.050)
Pyridine	5	ND(0.050)	ND(0.050)	ND(0.050)
Inorganics				
Arsenic	5	0.0980 B	ND(0.100)	ND(0.100)
Barium	100	0.660	0.490	0.630
Cadmium	1	ND(0.0200)	0.190	0.0800
Chromium	5	0.00650 B	0.00370 B	0.00330 B
Lead	5	0.0440 B	0.0950 B	0.0630 B
Mercury	0.2	ND(0.00200)	ND(0.00200)	ND(0.00200)
Selenium	1	ND(0.200)	ND(0.200)	ND(0.200)
Silver	5	ND(0.0200)	ND(0.0200)	ND(0.0200)

Notes:

1. Samples were collected by Blasland, Bouck & Lee, Inc. and submitted to SGS Environmental Services, Inc. for analysis of PCBs and TCLP constituents.
2. ND - Analyte was not detected. The number in parentheses is the associated detection limit.
3. Please refer to Table 1 for a summary of PCBs.

Data Qualifiers:

Inorganics

B - Indicates an estimated value between the instrument detection limit (IDL) and practical quantitation limit (PQL).

Table 2D

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TABLE 2D
PCB DATA RECEIVED DURING SEPTEMBER 2005

SABRE EQUIPMENT WIPE SAMPLING
UNKAMET BROOK AREA
GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS
(Results are presented in µg/100cm^2)

Sample ID	Date Collected	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Total PCBs
EXCAVATOR-BUCKET-W7	9/15/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
EXCAVATOR-BUCKET-W8	9/15/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
EXCAVATOR-BUCKET-W9	9/15/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
EXCAVATOR-HAMMER-W1	9/15/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
EXCAVATOR-TRACK-W1	9/15/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
EXCAVATOR-TRACK-W2	9/15/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
EXCAVATOR-TRACK-W3	9/15/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
EXCAVATOR-TRACK-W4	9/15/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
EXCAVATOR-TRACK-W5	9/15/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
EXCAVATOR-TRACK-W6	9/15/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
S175-BUCKET-W1	9/15/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
S175-BUCKET-W2	9/15/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
S175-BUCKET-W3	9/15/2005	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

Notes:
1. Samples were collected by Blasland Bouck & Lee, Inc., and submitted to SGS Environmental Services, Inc. for analysis of PCBs.
2. ND - Analyte was not detected. The number in parenthesIs is the associated detection limit.

Figure 1

Site Demolition Plan

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NOTE:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-1033-1 ENTITLED 'SITE DEMOLITION PLAN' CREATED BY HILL ENGINEERS, ARCHITECTS, AND PLANNERS, DATED FEBRUARY 15, 1999.

L: ON=*, OFF=REF
P: PAGESET/SYR-DL
10/5/05 SYR-85-NJR RCB GMS
C/20686001/20686B01.DWG

GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS

DECOMMISSIONING AND DEMOLITION SUMMARY REPORT

SITE NO. 1 DEMOLITION PLAN

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FIGURE 1

Figure 2

Final Project Schedule

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Figure 2

Site No. 1 Decommissioning & Demolition

Final Project Schedule

ID	Task Name	Duration	Start
1	**Notice to Proceed from GEAM**	0 days	Mon 2/28/05
2	Project Documentation/Set-up	5 days	Mon 2/28/05
3	**Hazardous/Regulated Material Removals**	40 days	Mon 3/7/05
4	**Asbestos Abatement**	**94 days**	**Mon 2/28/05**
5	Contractor Procurement	20 days	Mon 2/28/05
6	Asbestos Notifications	10 days	Mon 3/28/05
7	Mobilization/Site Preparation	5 days	Mon 4/11/05
8	Asbestos Abatement	45 days	Mon 4/18/05
9	Additional Asbestos Abatement	14 days	Mon 6/20/05
10			
11	**Building Demolition**	**97 days**	**Mon 5/2/05**
12	Contractor Procurement	10 days	Mon 5/2/05
13	Permitting	15 days	Mon 5/16/05
14	Mobilization	5 days	Mon 6/6/05
15	Building Demolition	60 days	Mon 6/13/05
16	All Buildings Demolished to Grade	0 days	Wed 7/27/05
17	Site Clean-Up & Demobilization	7 days	Mon 9/5/05
18			
19	**Demolition Debris Transportation and Disposal**	**67 days**	**Wed 6/15/05**
20			
21	**Substantial Completion**	**0 days**	**Thu 9/15/05**
22			
23	**Project Reporting/Closeout**	**20 days**	**Mon 9/12/05**

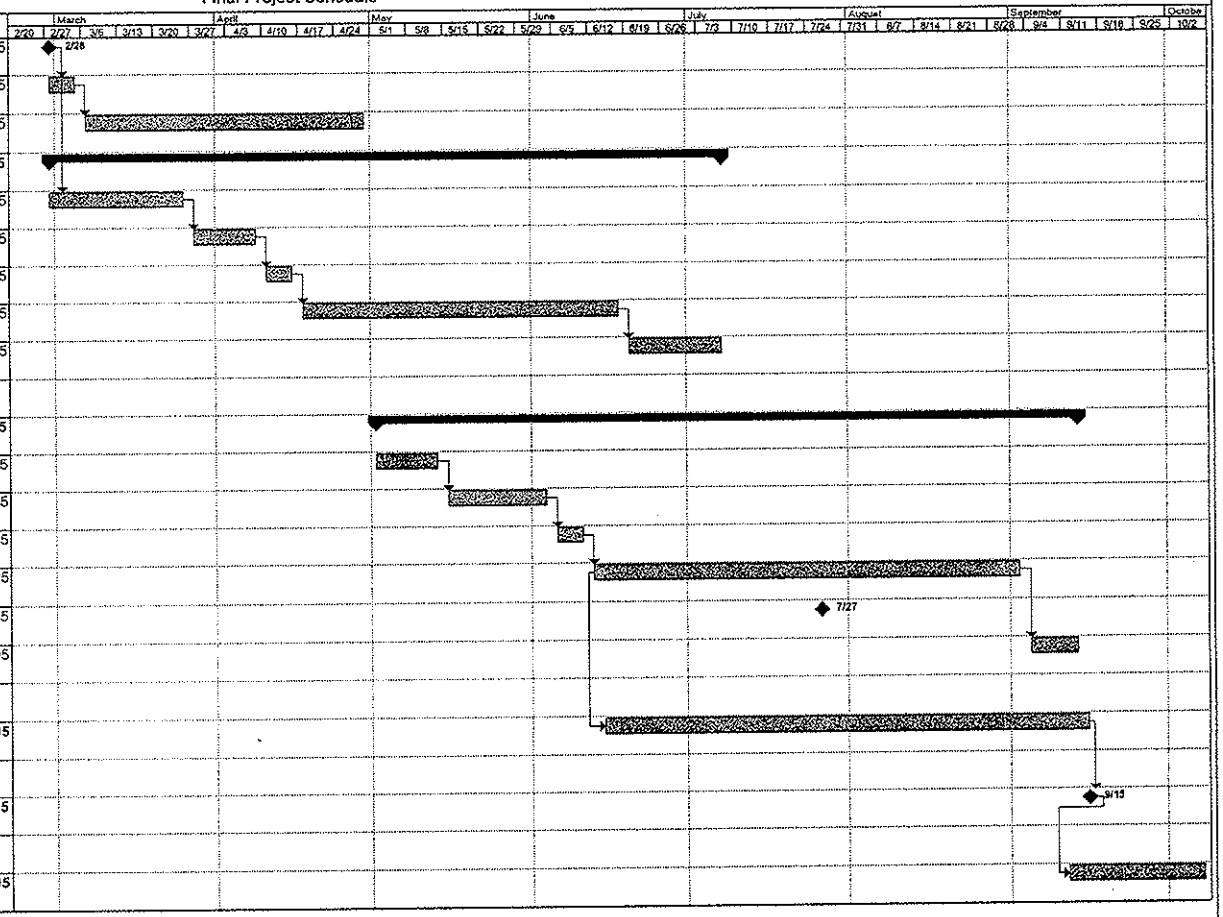

Figure 3

Utilities Site Plan (As Built)

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UTILITY SITE PLAN (AS BUILT)
SCALE 1"=30'

LEGEND

—S— ABANDONNED OR CAPPED

—E— EXISTING TO REMAIN

(*) ALL FLOOR DRAINS, SUMPS, PITS HAVE BEEN PLUGGED OR FILLED

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REV.	DESCRIPTION	DR'N	CK'D.	DATE
A	ISSUED FOR REVIEW	CH	DD	8/29/05

GE PLASTICS
PLASTICS AVENUE
PITTSFIELD MASSACHUSETTS

PROJECT DESCRIPTION: SITE-ONE DECOMMISSIONING

DRAWING TITLE: UTILITIES SITE PLAN (AS BUILT)

DRAWN BY	JR
DATE DRAWN	4-25-05
SCALE	AS NOTED
APV'D BY	

CAD CODE: GE-1095-CX102.dwg

GRAPHIC SCALE: AS NOTED

PROJECT NUMBER: GE-1095-1

DRAWING NUMBER	REV.
CX102	A

3/25/08 SYR-GMS LAF \\NY4FILE3\Data\CAD\GE-CAD\C-ACT\80040190\0000\00027\DWG\HILL\40190021.DWG

Appendix A

Pre-Demolition Assessment Report

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MEMORANDUM

BBL®
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engineers, scientists, economists

To: Dennis S. Arseneau
GE Advanced Materials

Date: January 10, 2005

From: Charles E. Guest, P.E.
Blasland, Bouck, & Lee, Inc.

cc: James M. Nuss, P.E., LSP, Blasland, Bouck & Lee, Inc.
William A. Rankin, P.E., Blasland, Bouck & Lee, Inc.

Re: General Electric Advanced Materials
Pittsfield, Massachusetts
Site No. 1 - Pre-Demolition Assessment

This memorandum presents a summary of pre-demolition assessment activities conducted in connection with the planned demolition of above-grade portions of Buildings 107, 108, 109, 110, 111, 112, 113, 114, and 115 located within the Site No. 1 area at the General Electric Advanced Materials (GEAM) facility in Pittsfield, Massachusetts. The layout of the facility showing the buildings scheduled for demolition is included on Figure 1. The pre-demolition assessment was performed by Blasland, Bouck, & Lee, Inc. (BBL) and our subcontractors to identify potential environmental considerations that need to be addressed as part of future building demolition activities at the GEAM facility. The preparation of this pre-demolition assessment is consistent with our November 3, 2004 proposal letter, and is intended to generate an overall summary of existing conditions and, in doing so, support prospective contractors in their efforts to understand the scope and magnitude of the demolition project when preparing their cost proposals. In general, the pre-demolition assessment consisted of the following activities:

- A visual assessment of buildings/structures scheduled for demolition, including reviewing available documentation provided by GEAM, and meeting with current GEAM personnel familiar with historical operations within the buildings/structures.
- An asbestos survey within the buildings/structures.
- A lead-based paint survey within the buildings/structures.
- A visual assessment of potential hazardous and/or regulated materials within the buildings/structures.
- A building material sampling program within the buildings.

A summary of the pre-demolition assessment activities is presented below.

Pre-Demolition Site Visit/Documentation Review

As part of the pre-demolition assessment, BBL performed a visual assessment of the structures scheduled for demolition, reviewed available documentation/information provided by GEAM,

and met with current GEAM personnel (identified by GEAM) familiar with historical operations within the buildings. These activities were conducted to gain a general understanding of building use, previously identified environmental concerns, current building layout, site conditions, and building construction materials. A summary of these activities is presented below.

Visual Assessment

BBL performed a visual assessment of the structures scheduled for demolition. The visual assessment activities were conducted to: understand the nature of the structures and materials of construction; identify the scope and type of subsequent building material sampling activities (described below); and determine estimated quantities of building materials anticipated to be generated during the demolition project. A summary of observations for each of the buildings is included in Table 1. Based on information gathered during the visual assessment activities, the estimated quantity of building materials anticipated to be generated during building demolition activities is approximately 7,000 tons (see Attachment A). This quantity compares favorably with prior estimates prepared for the buildings currently being considered for demolition.

Documentation Review

BBL met with Hill Engineers, Architects, Planners (Hill Engineers) at the site to review available documentation/information regarding the structures scheduled for demolition. The documentation review was conducted to gain a general understanding of historical building use, site conditions, and previously identified and/or potential environmental concerns that may impact the planned demolition at the facility. Based on telephone conversations during the pre-demolition assessment, GEAM indicated that comprehensive documentation regarding historical operations and/or use of the buildings scheduled for demolition was not available. The following information was provided by GEAM during the document review process:

- *Site Demolition Study* (Hill Engineers, July 9, 1999, revised July 5, 2000).
- Miscellaneous correspondence related to the closure of site operations and subsequent decommissioning and removal of process-related equipment formerly located within the buildings/structures.
- *Facility Wide Asbestos Survey* (ERM-Northeast, Inc., May 1995).
- Miscellaneous correspondence related to previous asbestos removal activities and associated asbestos monitoring.
- A spreadsheet summarizing equipment formerly located within Buildings 107, 109, 112, 113, 114, 115, the west tank farm, and the east tank farm, including information associated with materials/chemicals that were last known to be present in the equipment (dated August 19, 1998). Equipment identified on the spreadsheet included tanks, mixers, agitators, scrubbers, heat exchangers, blowers, centrifuges, pumps, etc.

- A spreadsheet summarizing polychlorinated biphenyl (PCB) analytical results for wipe samples, paint chip samples, oil samples, and bulk insulation samples collected during 1998 and 1999 from equipment formerly located within Buildings 107, 109, 110, 112, 113, 114, 115, and the east tank farm.

A summary of information obtained during the documentation review is presented in Attachment B.

Meeting with GEAM Personnel

During the pre-demolition assessment, BBL met with Mr. Keith Dodge and Mr. William Pike, current GEAM personnel familiar with historical operations within the buildings scheduled for demolition. Items discussed during the meeting with the GEAM personnel included: known historical building use/operations; materials, chemicals, and processes used in the buildings; and potential environmental concerns associated with the buildings. A summary of information obtained during the meeting with the GEAM personnel is presented in Attachment C.

Asbestos Survey

BBL's subcontractor, ATC Associates, Inc. (ATC Associates), conducted an asbestos survey of the buildings scheduled for demolition. The asbestos survey was conducted to document the presence, approximate location, condition, and estimated quantity of known or suspected asbestos-containing material (ACM) associated with the buildings. During the asbestos survey, ACM was identified at numerous locations within the buildings that will require removal/abatement and proper disposal prior to demolition of the buildings. ACM identified during the asbestos survey included, but was not limited to, window/door caulking, gaskets, roof materials, floor tile, mastic, joint compound, transite, fittings, sealant, paint, insulation, etc. The results of the asbestos survey are summarized in the *Asbestos and Lead Inspection Report* (prepared by ATC Associates, dated December 29, 2004), which is included as Attachment D to this memorandum. Please note that, as described in the *Asbestos and Lead Inspection Report*, ATC Associates was not able to access the following areas during the asbestos survey: the Building 109 elevator shaft; Building 109 Rooms 05, 06, and 07; and the Building 115 roof. These areas may contain ACMs that will need to be identified and properly handled by a licensed ACM removal contractor.

Lead-Based Paint Survey

ATC Associates also conducted a lead-based paint survey of the buildings scheduled for demolition. The lead-based paint survey was conducted to determine the presence of lead-based paint associated with various building components. The results of the lead-based paint survey are summarized in the *Asbestos and Lead Inspection Report* (prepared by ATC Associates, dated December 29, 2004), which is included as Attachment D to this memorandum.

Visual Assessment of Potential Hazardous/Regulated Materials

A visual assessment of the buildings scheduled for demolition was conducted by BBL's subcontractor, Chemcept, Inc. (Chemcept), to identify and inventory potentially hazardous and/or

regulated materials within the buildings. Numerous items were identified during the visual assessment that need to be removed for proper handling and disposal prior to demolition of the buildings (including, but not limited to, mercury vapor lamps, mercury switches, lead-acid batteries, containerized chemicals/oils, oil-containing equipment, etc.). The results of the hazardous/regulated materials assessment are summarized in the *Hazard Inventory of Buildings 107, 108, 109, 110, 111, 112, 113, 114, & 115* (prepared by Chemcept, dated December 13, 2004), which is included as Attachment E to this memorandum. As indicated in the attached report, select items/materials remaining in the buildings at the time of the visual assessment are scheduled for removal and/or disposal by GEAM separate from and prior to the demolition activities.

Pre-Demolition Building Material Sampling

BBL conducted pre-demolition building material sampling activities to characterize building materials for offsite disposal; determine regulatory requirements associated with the demolition activities; and identify potential worker health and safety considerations. The building material sampling program included the following activities:

- Collection of seventeen full-core building material samples from building walls and floors (not including the first floor concrete slab scheduled to remain in place) for Resource Conservation and Recovery Act (RCRA) hazardous waste characteristic analysis, including Toxicity Characteristic Leaching Procedure (TCLP) volatile organic compounds (VOCs); TCLP semi-volatile organic compounds (SVOCs); TCLP metals; ignitability; corrosivity; and reactivity. In addition, based on the historical use of numerous volatile compounds in the buildings (e.g., acetone, chlorobenzene, methylene chloride, phenol, toluene, xylene(s), etc.), the full-core building material samples were also submitted for laboratory analysis for Appendix IX VOCs.

- Collection of seventeen 7½-centimeter (cm) deep core samples from the building walls and floors (not including the first floor concrete slab scheduled to remain in place) for laboratory analysis for PCBs. The 7½-cm core samples were collected in the immediate vicinity of the full-core sample locations described above.

The building material sample locations were selected to target building materials where visible staining/discoloration were observed and locations of potential or suspect environmental impacts based on known historical use (i.e., former chemical processing areas, chemical storage areas, waste storage areas, etc.). The building material sample locations are shown on Figures 2 through 11. A summary of the building material samples collected is presented in Table 2. The building material samples were submitted to SGS Environmental Services, Inc. (SGS Laboratories) for laboratory analysis on a standard turnaround time. The analytical results for the building material sampling are presented in Tables 3 through 6 and summarized below:

- PCBs were detected above laboratory detection limits in samples collected at 12 of the 17 building material sample locations with concentrations ranging from 0.025 parts per million (ppm) (sample EASTTANKFARM-1) to 0.764 ppm (sample BLDG110-2).

- TCLP VOCs and TCLP SVOCs were not detected above laboratory detection limits in any of the full-core building material samples.

- Select TCLP metals were detected in each of the full-core building material samples above laboratory detection limits, but less than the RCRA toxicity characteristic levels presented in 40 CFR 261.24.

- Select Appendix IX VOCs (including hexanone, acetone, ethylbenzene, toluene, and xylenes) were detected above laboratory detection limits in the full-core building material samples.

- Ignitibility, reactive cyanide, reactive sulfur, and corrosivity (pH) analyses were less than RCRA characteristic levels in each of the building material samples. The analytical results for corrosivity/pH analysis indicate that building material samples collected at six of the 17 locations were greater than 12.0 standard units (SU), but less than the RCRA hazardous waste corrosive characteristic level of 12.5 SU.

Summary of Pre-Demolition Assessment Findings

A summary of the findings of the pre-demolition assessment is presented below, along with considerations for future activities to be conducted during the demolition process.

- The findings of the asbestos survey indicate that several types of ACM are present at various locations within the buildings/structures scheduled for demolition. Additional asbestos survey activities should be performed in areas that were not accessible during the initial asbestos survey (including: the Building 109 elevator shaft; Building 109 Rooms 05, 06, and 07; and the Building 115 roof). Prior to implementing building demolition, asbestos abatement will be necessary to remove and properly dispose of the ACM identified.

- The findings of the visual assessment indicate that numerous hazardous/regulated materials were identified at various locations within the buildings/structures scheduled for demolition. Prior to implementing building demolition activities, it will be necessary to remove and properly dispose of the regulated/hazardous items identified. During the visual assessment, certain items/materials identified may subsequently be removed by GEAM separate from and prior to building demolition. Prior to distributing bid documents to prospective contractors, a supplemental visual assessment could be performed, if necessary, to confirm the presence and quantity of hazardous/regulated materials previously identified and to identify additional materials that may have been subsequently staged in the buildings.

- The findings of the lead-based paint survey indicate that lead-based paint was identified at several locations within the buildings. Loose, flaking, and/or peeling paint not sufficiently adhered to building materials may need to be removed for appropriate handling and disposal prior to implementation of building demolition. In addition, the contractor selected to implement demolition activities will be required to comply with applicable Occupational Safety and Health Administration (OSHA) construction regulations regarding lead-based paint.

- The results of building material sampling indicate that chemical constituents were not detected at concentrations exceeding RCRA characteristic hazardous waste levels. However, low-level concentrations of PCBs and VOCs were detected in select building material samples. Based on the concentrations of PCBs and VOCs detected in the building material samples, the presence of visible staining on select building materials, and the historical use of the buildings for chemical storage/processing, GEAM may consider disposing of construction and demolition (C&D) debris generated as part of upcoming demolition at a permitted Subtitle D or Subtitle C landfill. Disposal facilities selected for the disposition of demolition waste materials may require additional characterization sampling as part of the demolition activities to confirm the characteristics of the waste material.

- Miscellaneous sumps, pits, and trenches containing unknown solids and liquids were identified during the pre-demolition assessment. The materials within the sumps will need to be removed for appropriate handling and disposal/treatment prior to implementing the demolition activities. Characterization sampling and analysis will be necessary to determine appropriate offsite transportation and disposal/treatment requirements.

- The majority of equipment and piping associated with former production operations appears to have been previously removed. However, some equipment remains in certain areas of the buildings. Prior to removing the remaining equipment, GEAM should review internal GE guidance to determine appropriate characterization and disposal requirements for the equipment items (including wipe sampling and oil/liquid sampling protocols). In addition, piping remains in some portions of the buildings (the contents of which are unknown). Special procedures (including line breaking and materials handling procedures) should be adhered to during the removal of the piping to collect and containerize residual liquids (if any) within the piping for appropriate characterization and disposal/treatment.

- The building material sampling program did not include the collection and analysis of samples from the first-floor concrete floor slabs (or soils beneath the slabs), which are anticipated to remain in place. GEAM should coordinate with GE Corporate Environmental Programs (CEP) to determine whether sampling is necessary for the concrete floor slabs and associated sumps (anticipated to remain in place) and/or for subsurface soils beneath the slabs.

- The building material sampling program did not include the collection and analysis of wipe and/or paint chip samples from steel components of the buildings scheduled for demolition. Based on conversations during our October 6, 2004 meeting, BBL has assumed that steel structural materials within the buildings will be transported off-site for disposal, and that the specific disposal location will be based on the results of the characterization data. However, if GEAM pursues an option other than landfill disposal for steel structural materials (i.e., at a smelting plant), additional wipe and/or paint chip sampling may be necessary to characterize the material. The scope of additional wipe and/or paint chip sampling (if necessary) will need to be determined based on further discussions with GEAM.

Please do not hesitate to contact me if you have any questions or require additional information.

CEG/jlc

Tables

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Table 1

GE Advanced Materials
Pittsfield, Massachusetts
Site No. Building Demolition
Pre-Demolition Assessment

Building/Structure Summary

Building ID	Approximate Area (Square Feet)	Description/Observations
107	750	• One-story building, with extended tower above (approximately 22' above grade, with tower approximately 38' above grade). • Concrete floor slab below grade (approximately 50 inches below grade). • Concrete knee wall with exterior concrete block walls. • Galvanized steel tower at the top of building. • Steel roof. • Steel trusses and columns. • Sump, pipe trench, and two drains in floor.
108	8,400	• One-story building. • Concrete floor slab on-grade. • Exterior concrete block walls. • Interior concrete block walls with wood/sheetrock. • Galvanized steel roof. • Building height varies.
109	1st floor: 16,200 2nd floor: 3,900 3rd floor: 3,900 Penthouse: 810	• Four-story building. • Concrete floor slab. • Building construction varies. • Concrete knee wall with concrete block and brick walls on lower floors. Upper walls constructed within steel and transite. Some interior concrete block walls. • Steel support columns, trusses, and girders. • Building height varies (one-story in south of building, four-stories to the north). • Diamond plated steel floors on 2nd, 3rd, and 4th stories. • Sump and pipe trenches in concrete floor. • Steel staircases. • Elevator shaft. • Steel catwalk on roof.
110	1st floor: 7,900 2nd floor: 1,300 3rd floor: 1,300	• Three-story building (including an extended 3rd floor penthouse with concrete columns in western portion of building). • Concrete floor slab. • Building construction varies. • Concrete block and brick walls (interior and exterior). • Concrete columns in eastern portion of building. • Steel columns in western portion of building. • Roof construction varies (concrete and steel). • Concrete floor in penthouse.
111	5,200	• One-story building. • Concrete floor slab. • Exterior concrete knee wall and steel walls. • Sheetrock, plywood, and concrete block interior walls.

Table 1

GE Advanced Materials
Pittsfield, Massachusetts
Site No. Building Demolition
Pre-Demolition Assessment

Building/Structure Summary

Building ID	Approximate Area (Square Feet)	Description/Observations
112	6,600	• One-story building. • Building construction varies. • Building height varies. • Concrete floor slab. • Concrete block and brick walls. • Wood roof and supports in northeastern portion of building. • Pipe trench and sump in workshop, finishing, and workshop rooms.
113	1st floor: 2,500 2nd floor: 1,800	• Two-story building. • Concrete floor slab. • Exterior galvanized steel walls. • Steel support columns. • Steel grate flooring on mezzanine (2nd floor).
114	1st floor: 11,000 2nd floor: 9,400 3rd floor: 6,400	• Three-story building. • Concrete floor slab. • Exterior steel face walls. • Steel support columns. • Concrete block interior walls with sheetrock. • Concrete and diamond plate steel deck floors on second and third stories.
115	2,000	• One-story building. • Concrete floor slab. • Exterior concrete knee and cement block wall. • Concrete block interior walls. • Steel columns and trusses.
Bldg 51 Tank		• Steel tank, approximately 33 feet in diameter and 40 feet in height. • Foam insulation on exterior of tank. • Located on circular concrete pad • Contents unknown.
Building 114 Tank Farm		• Concrete block walls.
West Tank Farm		• Concrete tank containment areas. • Concrete berm walls above grade. • Formerly contained storage tanks.
East Tank Farm		• Concrete tank containment areas. • Concrete berm walls above grade. • Formerly contained storage tanks.

Table 2

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GE Advanced Materials
Pittsfield, Massachusetts
Site No. 1 Building Demolition
Pre-Demolition Assessment

Building Material Sample Summary

Sample ID	Date Sampled	Sample Location	Sample Type	PCBs	TCLP - VOCs	TCLP - Metals	Ignitability	Reactivity	Corrosivity	Total VOCs (App. IX)
Building 107										
BLDG 107-1	12/7/2004	Concrete knee wall on first floor western wall at north end of building.	Core sample from concrete knee wall.	X	X	X	X	X	X	X
DUP-1 [BLDG 107-1]	12/7/2004	Concrete knee wall on first floor western wall at north end of building.	Core sample from concrete knee wall.	X	X	X	X	X	X	X
Building 108										
BLDG 108-1	12/7/2004	Concrete block wall on first floor western wall at south end of building.	Core sample from concrete block wall.	X	X	X	X	X	X	X
Building 109										
BLDG 109-1	12/7/2004	Concrete wall on first floor western wall in former process area.	Core sample from concrete wall.	X	X	X	X	X	X	X
BLDG 109-2	12/7/2004	Brick wall on second floor southern wall in former process area.	Core sample from brick wall.	X	X	X	X	X	X	X
Building 110										
BLDG 110-1	12/7/2004	Concrete block wall on first floor southern wall in former extrusion line area.	Core sample from concrete block wall.	X	X	X	X	X	X	X
BLDG 110-2	12/7/2004	Concrete block wall on first floor southern wall in former machine shop area.	Core sample from concrete block wall.	X	X	X	X	X	X	X
BLDG 110-3	12/8/2004	Concrete floor sample from southwestern corner of second floor.	Core sample from concrete floor.	X	X	X	X	X	X	X
Building 111										
BLDG 111-1	12/7/2004	Concrete block wall on first floor western wall.	Core sample from concrete block wall.	X	X	X	X	X	X	X
Building 112										
BLDG 112-1	12/8/2004	Concrete block wall on first floor interior partition of former finishing/workup room.	Core sample from concrete block wall.	X	X	X	X	X	X	X
BLDG 112-2	12/8/2004	Concrete block wall on first floor western wall at south end of former "Tea" room.	Core sample from concrete block wall.	X	X	X	X	X	X	X

Table 2

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GE Advanced Materials
Pittsfield, Massachusetts
Site No. 1 Building Demolition
Pre-Demolition Assessment

Building Material Sample Summary

Sample ID	Date Sampled	Sample Location	Sample Type	PCBs	TCLP VOCs	TCLP Metals	Ignitability	Reactivity	Corrosivity	Total VOCs (App. IX)
Building 114										
BLDG 114-1	12/8/2004	Concrete block wall on first floor in the central portion of western wall in Room 14.	Core sample from concrete block wall.	X	X	X	X	X	X	X
BLDG 114-2	12/8/2004	Concrete block wall on first floor western wall on south end of former heavy metal catalysts room.	Core sample from concrete block wall.	X	X	X	X	X	X	X
BLDG 114-3	12/8/2004	Concrete block wall on second floor in central portion of western wall in Room 12.	Core sample from concrete block wall.	X	X	X	X	X	X	X
Building 115										
BLDG 115-1	12/8/2004	Concrete block wall on first floor from southeastern wall in former methylene chloride stripping area.	Core sample from concrete block wall.	X	X	X	X	X	X	X
Tank Farms										
EAST TANK FARM-1	12/8/2004	Concrete berm wall.	Core sample from concrete berm wall.	X	X	X	X	X	X	X
WEST TANK FARM-1	12/8/2004	Concrete berm wall.	Core sample from concrete berm wall.	X	X	X	X	X	X	X
BLDG 114 TANK FARM-1	12/8/2004	Concrete berm wall.	Core sample from concrete berm wall.	X	X	X	X	X	X	X

Notes:

1. Building material samples collected by Blasland, Bouck & Lee, Inc. (BBL) during December 2004.
2. Samples analyzed by SGS Environmental Services, Inc. (Charleston, West Virginia).
3. Samples were analyzed for the following:
   - Polychlorinated biphenyls (PCBs) USEPA SW-846 Method 8082.
   - Toxicity characteristic leaching procedure (TCLP) volatile organic compounds (VOCs) using USEPA SW-846 Method 1311/8260.
   - TCLP semi-volatile organic compounds (SVOCs) using USEPA SW-846 Method 1311/8270.
   - TCLP metals using USEPA SW-846 Method 1311/6010/7470.
   - Total Appendix IX VOCs using USEPA SW-846 Method 8260.
   - Ignitibility using USEPA Method SW-846 Method 7.1.2.2.
   - Reactivity using USEPA Methods SW-846 Methods 9012mod and 9030B.
   - Corrosivity/pH using USEPA Method SW-846 Method 9045C.

Table 3

GE Advanced Materials
Pittsfield, Massachusetts
Site No. 1 Building Demolition
Pre-Demolition Assessment

Building Material Sampling Analytical Results for Total PCBs (ppm)

Sample Location	Sample ID	Sample Date	Total PCB Concentration
Building 107	BLDG107-1	12/7/2004	**0.16 J**
	DUP-1 [BLDG107-1]	12/7/2004	ND (< 0.033)
Building 108	BLDG108-1	12/7/2004	**0.094 J**
Building 109	BLDG109-1	12/7/2004	ND (< 0.033)
	BLDG109-2	12/7/2004	**0.323**
Building 110	BLDG110-1	12/7/2004	**0.098 J**
	BLDG110-2	12/7/2004	**0.764**
	BLDG110-3	12/8/2004	ND (< 0.033)
Building 111	BLDG111-1	12/7/2004	**0.034 J**
Building 112	BLDG112-1	12/8/2004	**0.24**
	BLDG112-2	12/8/2004	**0.14**
Building 114	BLDG114-1	12/8/2004	**0.063 J**
	BLDG114-2	12/8/2004	**0.046**
	BLDG114-3	12/8/2004	ND (< 0.033)
Building 115	BLDG115-1	12/8/2004	ND (< 0.033)
Building 114 Tank Farm	BLDG114TANKFARM-1	12/8/2004	**0.031 J**
East Tank Farm	EASTTANKFARM-1	12/8/2004	**0.025 J**
West Tank Farm	WESTTANKFARM-1	12/8/2004	ND (< 0.033)

Notes:

1. Building material samples collected by Blasland, Bouck & Lee, Inc. (BBL) during December 2004.
2. Samples analyzed by SGS Environmental Services, Inc. (Charleston, West Virginia).
3. Samples were analyzed for polychlorinated biphenyls (PCBs) using USEPA SW-846 Method 8082.
4. ND - Compound was not detected at a concentration exceeding the laboratory detection limit. The listed value represents the laboratory detection limit.
5. J - Estimated Result, the result was detected below the reporting limit.
6. Concentrations reported in parts per million (ppm) or milligrams per kilogram (mg/kg).

Table 4

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GE Advanced Materials
Pittsfield, Massachusetts
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Building Material Sampling Analytical Results for TCLP VOCs, TCLP SVOCs, and TCLP Metals (mg/L)

Consituent	Regulatory Level for Hazardous Waste Characteristic	Building 107		Building 108	Building 109	
		BLDG107-1 12/07/04 mg/L	DUP-1 [BLDG107-1] 12/07/04 mg/L	BLDG108-1 12/07/04 mg/L	BLDG109-1 12/07/04 mg/L	BLDG109-2 12/07/04 mg/L
TCLP VOCs (mg/L)						
1,1-Dichloroethene, TCLP	0.7	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloroethane, TCLP	0.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone, TCLP	200.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzene, TCLP	0.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Carbon Tetrachloride, TCLP	0.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Chlorobenzene, TCLP	100.0	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Chloroform, TCLP	6.0	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Tetrachlroethene, TCLP	0.7	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Trichloroethene, TCLP	0.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Vinyl chloride, TCLP	0.2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
TCLP SVOCs (mg/L)						
1,4-Dichlorobenzene, TCLP	7.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4,5-Trichlorophenol, TCLP	400.0	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4,6-Trichlorophenol, TCLP	2.0	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4-Dinitrotoluene, TCLP	0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Cresols (total), TCLP	200.0	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorobenzene, TCLP	0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorobutadiene, TCLP	0.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachloroethane, TCLP	3.0	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrobenzene, TCLP	2.0	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pentachlorophenol, TCLP	100.0	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pyridine, TCLP	5.0	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
TCLP Metals (mg/L)						
Arsenic, TCLP	5.0	0.10 U	0.1 U	**0.0052 B**	**0.0049 B**	0.10 U
Barium, TCLP	100.0	**0.32**	**0.37**	**0.27**	**0.54**	**0.24**
Cadmium, TCLP	1.0	0.020 U	0.02 U	**0.0012 B**	0.020 U	**0.00072 B**
Chromium, TCLP	5.0	**0.041 B**	**0.054**	**0.0058 B**	**0.0097 B**	**0.0022 B**
Lead, TCLP	5.0	0.10 U	0.1 U	**0.0068 B**	0.10 U	0.10 U
Mercury, TCLP	0.2	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U
Selenium, TCLP	1.0	0.20 U	0.2 U	0.20 U	0.20 U	0.20 U
Silver, TCLP	5.0	0.020 U	0.02 U	0.020 U	0.020 U	0.020 U

Table 4

GE Advanced Materials
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Building Material Sampling Analytical Results for TCLP VOCs, TCLP SVOCs, and TCLP Metals (mg/L)

Consituent	Regulatory Level for Hazardous Waste Characteristic	Building 110			Building 111	Building 112	
		BLDG110-1 12/07/04 mg/L	BLDG110-2 12/07/04 mg/L	BLDG110-3 12/08/04 mg/L	BLDG111-1 12/07/04 mg/L	BLDG112-1 12/08/04 mg/L	BLDG112-2 12/08/04 mg/L
TCLP VOCs (mg/L)							
1,1-Dichloroethene, TCLP	0.7	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloroethane, TCLP	0.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone, TCLP	200.0	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Benzene, TCLP	0.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Carbon Tetrachloride, TCLP	0.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Chlorobenzene, TCLP	100.0	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Chloroform, TCLP	6.0	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Tetrachlroethene, TCLP	0.7	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Trichloroethene, TCLP	0.5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Vinyl chloride, TCLP	0.2	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
TCLP SVOCs (mg/L)							
1,4-Dichlorobenzene, TCLP	7.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4,5-Trichlorophenol, TCLP	400.0	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4,6-Trichlorophenol, TCLP	2.0	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4-Dinitrotoluene, TCLP	0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Cresols (total), TCLP	200.0	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorobenzene, TCLP	0.13	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorobutadiene, TCLP	0.5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachloroethane, TCLP	3.0	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Nitrobenzene, TCLP	2.0	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pentachlorophenol, TCLP	100.0	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Pyridine, TCLP	5.0	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
TCLP Metals (mg/L)							
Arsenic, TCLP	5.0	0.10 U	**0.0048 B**	0.1 U	0.1 U	0.10 U	0.10 U
Barium, TCLP	100.0	**0.41**	**0.34**	**0.52**	**0.44**	**0.48**	**0.51**
Cadmium, TCLP	1.0	0.020 U	**0.00073 B**	0.02 U	0.02 U	0.020 U	**0.0012 B**
Chromium, TCLP	5.0	**0.0046 B**	**0.014 B**	**0.071**	**0.014 B**	**0.023 B**	**0.0075 B**
Lead, TCLP	5.0	0.10 U	0.10 U	0.1 U	**0.0054 B**	0.10 U	0.10 U
Mercury, TCLP	0.2	0.002 U	**0.027**	**0.00005 B**	**0.00023 B**	**0.00047 B**	**0.00007 B**
Selenium, TCLP	1.0	0.20 U	0.20 U	**0.011 B**	0.2 U	**0.0099 B**	**0.0095 B**
Silver, TCLP	5.0	0.020 U	0.020 U	0.02 U	0.02 U	**0.0014 B**	0.020 U

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Building Material Sampling Analytical Results for TCLP VOCs, TCLP SVOCs, and TCLP Metals (mg/L)

Constituent	Regulatory Limit for Hazardous Waste Characteristic	Building 114			
		BLDG114-1 12/08/04 mg/L	BLDG114-2 12/08/04 mg/L	BLDG114-3 12/08/04 mg/L	BLDG114TANKFARM-1 12/08/04 mg/L
TCLP VOCs (mg/L)					
1,1-Dichloroethene, TCLP	0.7	0.1 U	0.1 U	0.1 U	0.1 U
1,2-Dichloroethane, TCLP	0.5	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone, TCLP	200.0	0.2 U	0.2 U	0.2 U	0.2 U
Benzene, TCLP	0.5	0.1 U	0.1 U	0.1 U	0.1 U
Carbon Tetrachloride, TCLP	0.5	0.1 U	0.1 U	0.1 U	0.1 U
Chlorobenzene, TCLP	100.0	0.1 U	0.1 U	0.1 U	0.1 U
Chloroform, TCLP	6.0	0.1 U	0.1 U	0.1 U	0.1 U
Tetrachlroethene, TCLP	0.7	0.1 U	0.1 U	0.1 U	0.1 U
Trichloroethene, TCLP	0.5	0.1 U	0.1 U	0.1 U	0.1 U
Vinyl chloride, TCLP	0.2	0.1 U	0.1 U	0.1 U	0.1 U
TCLP SVOCs (mg/L)					
1,4-Dichlorobenzene, TCLP	7.5	0.05 U	0.05 U	0.05 U	0.05 U
2,4,5-Trichlorophenol, TCLP	400.0	0.05 U	0.05 U	0.05 U	0.05 U
2,4,6-Trichlorophenol, TCLP	2.0	0.05 U	0.05 U	0.05 U	0.05 U
2,4-Dinitrotoluene, TCLP	0.13	0.05 U	0.05 U	0.05 U	0.05 U
Cresols (total), TCLP	200.0	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorobenzene, TCLP	0.13	0.05 U	0.05 U	0.05 U	0.05 U
Hexachlorobutadiene, TCLP	0.5	0.05 U	0.05 U	0.05 U	0.05 U
Hexachloroethane, TCLP	3.0	0.05 U	0.05 U	0.05 U	0.05 U
Nitrobenzene, TCLP	2.0	0.05 U	0.05 U	0.05 U	0.05 U
Pentachlorophenol, TCLP	100.0	0.05 U	0.05 U	0.05 U	0.05 U
Pyridine, TCLP	5.0	0.05 U	0.05 U	0.05 U	0.05 U
TCLP Metals (mg/L)					
Arsenic, TCLP	5.0	0.10 U	**0.0088 B**	0.10 U	0.1 U
Barium, TCLP	100.0	**0.28**	**0.38**	**0.56**	**0.44**
Cadmium, TCLP	1.0	0.020 U	**0.0014 B**	0.020 U	**0.0011 B**
Chromium, TCLP	5.0	**0.0018 B**	**0.0083 B**	**0.090**	**0.0012 B**
Lead, TCLP	5.0	0.10 U	0.10 U	0.10 U	0.1 U
Mercury, TCLP	0.2	**0.00009 B**	**0.00008 B**	**0.00005 B**	**0.00006 B**
Selenium, TCLP	1.0	0.20 U	**0.0085 B**	0.20 U	**0.0069 B**
Silver, TCLP	5.0	0.020 U	**0.0078 B**	0.020 U	0.02 U

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Building Material Sampling Analytical Results for TCLP VOCs, TCLP SVOCs, and TCLP Metals (mg/L)

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1,1-Dichloroethene, TCLP	0.7	0.1 U	0.1 U	0.1 U
1,2-Dichloroethane, TCLP	0.5	0.1 U	0.1 U	0.1 U
2-Butanone, TCLP	200.0	0.2 U	0.2 U	0.2 U
Benzene, TCLP	0.5	0.1 U	0.1 U	0.1 U
Carbon Tetrachloride, TCLP	0.5	0.1 U	0.1 U	0.1 U
Chlorobenzene, TCLP	100.0	0.1 U	0.1 U	0.1 U
Chloroform, TCLP	6.0	0.1 U	0.1 U	0.1 U
Tetrachlroethene, TCLP	0.7	0.1 U	0.1 U	0.1 U
Trichloroethene, TCLP	0.5	0.1 U	0.1 U	0.1 U
Vinyl chloride, TCLP	0.2	0.1 U	0.1 U	0.1 U
[illegible]				
1,4-Dichlorobenzene, TCLP	7.5	0.05 U	0.05 U	0.05 U
2,4,5-Trichlorophenol, TCLP	400.0	0.05 U	0.05 U	0.05 U
2,4,6-Trichlorophenol, TCLP	2.0	0.05 U	0.05 U	0.05 U
2,4-Dinitrotoluene, TCLP	0.13	0.05 U	0.05 U	0.05 U
Cresols (total), TCLP	200.0	0.05 U	0.05 U	0.05 U
Hexachlorobenzene, TCLP	0.13	0.05 U	0.05 U	0.05 U
Hexachlorobutadiene, TCLP	0.5	0.05 U	0.05 U	0.05 U
Hexachloroethane, TCLP	3.0	0.05 U	0.05 U	0.05 U
Nitrobenzene, TCLP	2.0	0.05 U	0.05 U	0.05 U
Pentachlorophenol, TCLP	100.0	0.05 U	0.05 U	0.05 U
Pyridine, TCLP	5.0	0.05 U	0.05 U	0.05 U
[illegible]				
Arsenic, TCLP	5.0	0.10 U	0.1 U	0.1 U
Barium, TCLP	100.0	**0.50**	**0.39**	**0.45**
Cadmium, TCLP	1.0	0.020 U	0.02 U	0.02 U
Chromium, TCLP	5.0	0.050 U	**0.16**	**0.077**
Lead, TCLP	5.0	0.10 U	0.1 U	0.1 U
Mercury, TCLP	0.2	**0.00005 B**	**0.00006 B**	**0.00006 B**
Selenium, TCLP	1.0	**0.0068 B**	**0.0072 B**	**0.0054 B**
Silver, TCLP	5.0	0.020 U	0.02 U	**0.0016 B**

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GE Advanced Materials
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Site No. 1 Building Demolition
Pre-Demolition Assessment

Building Material Sampling Analytical Results for TCLP VOCs, TCLP SVOCs, and TCLP Metals (mg/L)

Notes:

1. Building material samples collected by Blasland, Bouck & Lee, Inc. (BBL) during December 2004.
2. Samples analyzed by SGS Environmental Services, Inc. (Charleston, West Virginia).
3. Samples were analyzed for the following:
   - Toxicity characteristic leaching procedure (TCLP) volatile organic compounds (VOCs) using USEPA SW-846 Method 1311/8260.
   - TCLP semi-volatile organic compounds (SVOCs) using USEPA SW-846 Method 1311/8270.
   - TCLP metals using USEPA SW-846 Method 1311/6010/7470.
4. Concentrations reported in milligrams per liter (mg/L) or parts per million (ppm).
5. U - Denotes parameter was not detected at or above the reporting limit. The listed value represents the reporting limit.
6. B - Estimated result, the result was detected below the reporting limit.
7. Resource Conservation and Recovery Act (RCRA) Regulatory levels for hazardous waste characteristics based on maximum concentration of contaminants for the toxicity characteristic as presented in 40 CFR 261.24.

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Building Material Sampling Analytical Results for Appendix IX VOCs

Parameter	Building 107		Building 108	Building 109	
	BLDG107-[illegible] 12/07/04 (ppm)	DUP-1 (BLDG107-[illegible]) 12/07/04 (ppm)	BLDG108-1 12/07/04 (ppm)	BLDG109-[illegible] 12/0[illegible]/04 (ppm)	BLDG109-[illegible] 12/0[illegible]/04 (ppm)
[illegible] VOCs [illegible]					
1,1,1,2-Tetrachloroethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1,1-Trichloroethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1,2,2-Tetrachloroethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1,2-Trichloroethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2,3-Trichloropropane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromo-3-chloropropane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloropropane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,4-Dioxane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Chloro-1,3-butadiene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloroethyl vinyl ether	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Hexanone	0.01 U	0.01 U	0.01 U	0.01 U	**0.0073 J**
3-Chloropropene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Methyl-2-pentanone	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	0.02 U	**0.0071 J**	0.02 U	**0.019 J**	0.02 U
Acetonitrile	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Acrolein	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Acrylonitrile	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Bromodichloromethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Bromoform	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Bromomethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Carbon disulfide	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Carbon tetrachloride	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chlorobenzene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chloroform	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chloromethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cis-1,3-dichloropropene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibromochloromethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibromomethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dichlorodifluoromethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Ethyl methacrylate	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Ethylbenzene	**0.0064**	**0.009**	0.005 U	0.005 U	0.005 U
Iodomethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isobutanol	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methacrylonitrile	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methyl methacrylate	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Propionitrile	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Styrene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Toluene	**0.36 D**	**0.31 D**	**0.014**	**0.0084**	**0.014**
Trans-1,2-dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Trans-1,3-dichloropropene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Trans-1,4-dichloro-2-butene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Trichlorofluoromethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl acetate	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl chloride	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Xylenes (total)	**0.033**	**0.048**	0.005 U	0.005 U	0.005 U

GE Advanced Materials
Pittsfield, Massachusetts
Site No. 1 Building Demolition
Pre-Demolition Assessment

Building Material Sampling Analytical Results for Appendix IX VOCs

Parameter	Building 1D			Building 1D
	[illegible] 12/07/04 (ppm)	[illegible] 12/07/04 (ppm)	[illegible] (ppm)	[illegible] 12/07/04 (ppm)
TCL VOCs (mg/Kg)				
1,1,1,2-Tetrachloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1,1-Trichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1,2,2-Tetrachloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1,2-Trichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
1,2,3-Trichloropropane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromo-3-chloropropane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloropropane	0.005 U	0.005 U	0.005 U	0.005 U
1,4-Dioxane	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone	0.01 U	0.01 U	0.01 U	0.01 U
2-Chloro-1,3-butadiene	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloroethyl vinyl ether	0.005 U	0.005 U	0.005 U	0.005 U
2-Hexanone	0.01 U	0.01 U	0.01 U	0.01 U
3-Chloropropene	0.005 U	0.005 U	0.005 U	0.005 U
4-Methyl-2-pentanone	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	**0.0054 J**	**0.014 J**	0.02 U	**0.011 J**
Acetonitrile	0.1 U	0.1 U	0.1 U	0.1 U
Acrolein	0.1 U	0.1 U	0.1 U	0.1 U
Acrylonitrile	0.005 U	0.005 U	0.005 U	0.005 U
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Bromodichloromethane	0.005 U	0.005 U	0.005 U	0.005 U
Bromoform	0.005 U	0.005 U	0.005 U	0.005 U
Bromomethane	0.005 U	0.005 U	0.005 U	0.005 U
Carbon disulfide	0.005 U	0.005 U	0.005 U	0.005 U
Carbon tetrachloride	0.005 U	0.005 U	0.005 U	0.005 U
Chlorobenzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
Chloroform	0.005 U	0.005 U	0.005 U	0.005 U
Chloromethane	0.005 U	0.005 U	0.005 U	0.005 U
Cis-1,3-dichloropropene	0.005 U	0.005 U	0.005 U	0.005 U
Dibromochloromethane	0.005 U	0.005 U	0.005 U	0.005 U
Dibromomethane	0.005 U	0.005 U	0.005 U	0.005 U
Dichlorodifluoromethane	0.005 U	0.005 U	0.005 U	0.005 U
Ethyl methacrylate	0.005 U	0.005 U	0.005 U	0.005 U
Ethylbenzene	0.005 U	0.005 U	0.005 U	0.005 U
Iodomethane	0.005 U	0.005 U	0.005 U	0.005 U
Isobutanol	0.1 U	0.1 U	0.1 U	0.1 U
Methacrylonitrile	0.005 U	0.005 U	0.005 U	0.005 U
Methyl methacrylate	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	0.005 U	**0.026**	0.005 U	0.005 U
Propionitrile	0.01 U	0.01 U	0.01 U	0.01 U
Styrene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Toluene	**0.12**	**0.054**	**0.021**	**0.82 D**
Trans-1,2-dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Trans-1,3-dichloropropene	0.005 U	0.005 U	0.005 U	0.005 U
Trans-1,4-dichloro-2-butene	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Trichlorofluoromethane	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl acetate	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl chloride	0.005 U	0.005 U	0.005 U	0.005 U
Xylenes (total)	0.005 U	0.005 U	0.005 U	0.005 U

Table 5

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GE Advanced Materials
Pittsfield, Massachusetts
Site No. 1 Building Demolition
Pre-Demolition Assessment

Building Material Sampling Analytical Results for Appendix IX VOCs

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]					
1,1,1,2-Tetrachloroethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1,1-Trichloroethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1,2,2-Tetrachloroethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1,2-Trichloroethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2,3-Trichloropropane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromo-3-chloropropane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloropropane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,4-Dioxane	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Chloro-1,3-butadiene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloroethyl vinyl ether	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
2-Hexanone	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
3-Chloropropene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
4-Methyl-2-pentanone	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	**0.019 J**	**0.0053 J**	0.02 U	0.02 U	0.02 U
Acetonitrile	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Acrolein	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Acrylonitrile	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Bromodichloromethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Bromoform	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Bromomethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Carbon disulfide	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Carbon tetrachloride	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chlorobenzene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chloroform	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Chloromethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Cis-1,3-dichloropropene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibromochloromethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dibromomethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Dichlorodifluoromethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Ethyl methacrylate	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Ethylbenzene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Iodomethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Isobutanol	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methacrylonitrile	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methyl methacrylate	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	**0.051**	0.005 U	0.005 U	0.005 U	0.005 U
Propionitrile	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Styrene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Toluene	**0.08**	**0.11**	**0.095**	**0.092 D**	**0.16**
Trans-1,2-dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Trans-1,3-dichloropropene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Trans-1,4-dichloro-2-butene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Trichlorofluoromethane	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl acetate	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl chloride	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Xylenes (total)	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

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GE Advanced Materials
Pittsfield, Massachusetts
Site No. 1 Building Demolition
Pre-Demolition Assessment

Building Material Sampling Analytical Results for Appendix IX VOCs

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]				
1,1,1,2-Tetrachloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1,1-Trichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1,2,2-Tetrachloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1,2-Trichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
1,2,3-Trichloropropane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromo-3-chloropropane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dibromoethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloroethane	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichloropropane	0.005 U	0.005 U	0.005 U	0.005 U
1,4-Dioxane	0.1 U	0.1 U	0.1 U	0.1 U
2-Butanone	0.01 U	0.01 U	0.01 U	0.01 U
2-Chloro-1,3-butadiene	0.005 U	0.005 U	0.005 U	0.005 U
2-Chloroethyl vinyl ether	0.005 U	0.005 U	0.005 U	0.005 U
2-Hexanone	0.01 U	0.01 U	0.01 U	0.01 U
3-Chloropropene	0.005 U	0.005 U	0.005 U	0.005 U
4-Methyl-2-pentanone	0.01 U	0.01 U	0.01 U	0.01 U
Acetone	0.02 U	0.02 U	**0.0052 J**	**0.007 J**
Acetonitrile	0.1 U	0.1 U	0.1 U	0.1 U
Acrolein	0.1 U	0.1 U	0.1 U	0.1 U
Acrylonitrile	0.005 U	0.005 U	0.005 U	0.005 U
Benzene	0.005 U	0.005 U	0.005 U	0.005 U
Bromodichloromethane	0.005 U	0.005 U	0.005 U	0.005 U
Bromoform	0.005 U	0.005 U	0.005 U	0.005 U
Bromomethane	0.005 U	0.005 U	0.005 U	0.005 U
Carbon disulfide	0.005 U	0.005 U	0.005 U	0.005 U
Carbon tetrachloride	0.005 U	0.005 U	0.005 U	0.005 U
Chlorobenzene	0.005 U	0.005 U	0.005 U	0.005 U
Chloroethane	0.005 U	0.005 U	0.005 U	0.005 U
Chloroform	0.005 U	0.005 U	0.005 U	0.005 U
Chloromethane	0.005 U	0.005 U	0.005 U	0.005 U
Cis-1,3-dichloropropene	0.005 U	0.005 U	0.005 U	0.005 U
Dibromochloromethane	0.005 U	0.005 U	0.005 U	0.005 U
Dibromomethane	0.005 U	0.005 U	0.005 U	0.005 U
Dichlorodifluoromethane	0.005 U	0.005 U	0.005 U	0.005 U
Ethyl methacrylate	0.005 U	0.005 U	0.005 U	0.005 U
Ethylbenzene	0.005 U	0.005 U	0.005 U	0.005 U
Iodomethane	0.005 U	0.005 U	0.005 U	0.005 U
Isobutanol	0.1 U	0.1 U	0.1 U	0.1 U
Methacrylonitrile	0.005 U	0.005 U	0.005 U	0.005 U
Methyl methacrylate	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	0.005 U	0.005 U	0.005 U	0.005 U
Propionitrile	0.01 U	0.01 U	0.01 U	0.01 U
Styrene	0.005 U	0.005 U	0.005 U	0.005 U
Tetrachloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Toluene	**0.038**	**0.043**	**0.011**	**0.14**
Trans-1,2-dichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Trans-1,3-dichloropropene	0.005 U	0.005 U	0.005 U	0.005 U
Trans-1,4-dichloro-2-butene	0.005 U	0.005 U	0.005 U	0.005 U
Trichloroethene	0.005 U	0.005 U	0.005 U	0.005 U
Trichlorofluoromethane	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl acetate	0.005 U	0.005 U	0.005 U	0.005 U
Vinyl chloride	0.005 U	0.005 U	0.005 U	0.005 U
Xylenes (total)	0.005 U	0.005 U	0.005 U	0.005 U

GE Advanced Materials
Pittsfield, Massachusetts
Site No. 1 Building Demolition
Pre-Demolition Assessment

Building Material Sampling Analytical Results for Appendix IX VOCs

Notes:

1. Building material samples collected by Blasland, Bouck & Lee, Inc. (BBL) during December 2004.
2. Samples analyzed by SGS Environmental Services, Inc. (Charleston, West Virginia).
3. Samples were analyzed for Appendix IX volatile organic compounds (VOCs) using Method 8260.
4. Concentrations reported in parts per million (ppm) or milligrams per kilogram (mg/kg).
5. U - Denotes parameter was not detected at or above the reporting limit. The listed value represents the reporting limit.
6. J - Estimate result, the result was detected below the reporting limit.
7. D - Spike or surrogate was diluted in order to achieve a parameter result within instrument calibration range.

GE Advanced Materials
Pittsfield, Massachusetts
Site No. 1 Building Demolition
Pre-Demolition Assessment

Building Material Sampling Results for RCRA Characteristics

Parameter	RCRA Regulatory Level for Hazardous Waste Characteristic	Building 107		Building 108	Building 109		Building 110		
		BLDG107-1	DUP-1 (BLDG 107-1)	BLDG108-1	BLDG109-1	BLDG109-2	BLDG110-1	BLDG110-2	BLDG110-3
		12/7/2004	12/7/2004	12/7/2004	12/7/2004	12/7/2004	12/7/2004	12/7/2004	12/8/2004
Ignitibility	NEG	Not Ignitable	Not Ignitable	Not Ignitable	Not Ignitable	Not Ignitable	Not Ignitable	Not Ignitable	Not Ignitable
Reactivity (Cyanide)	*	ND (< 250 mg/kg)	ND (< 250 mg/kg)	ND (< 250 mg/kg)	ND (< 250 mg/kg)	ND (< 250 mg/kg)	ND (< 250 mg/kg)	ND (< 250 mg/kg)	ND (< 250 mg/kg)
Reactivity (Sulfur)	*	ND (< 500 mg/kg)	ND (< 500 mg/kg)	ND (< 500 mg/kg)	ND (< 500 mg/kg)	ND (< 500 mg/kg)	ND (< 500 mg/kg)	ND (< 500 mg/kg)	ND (< 500 mg/kg)
Corrosivity/pH	**	12.06 S.U.	12.14 S.U.	8.57 S.U.	11.98 S.U.	9.91 S.U.	9.89 S.U.	11.97 S.U.	12.22 S.U.

Parameter	RCRA Regulatory Level for Hazardous Waste Characteristic	Building 111	Building 112		Building 114				Building 115
		BLDG111-1	BLDG112-1	BLDG112-2	BLDG114-1	BLDG114-2	BLDG114-3	BLDG114WEST TANK FARM-1	BLDG115-1
		12/7/2004	12/8/2004	12/8/2004	12/8/2004	12/8/2004	12/8/2004	12/8/2004	12/8/2004
Ignitibility	NEG	Not Ignitable	Not Ignitable	Not Ignitable	Not Ignitable	Not Ignitable	Not Ignitable	Not Ignitable	Not Ignitable
Reactivity (Cyanide)	*	ND (< 250 mg/kg)	ND (< 250 mg/kg)	ND (< 250 mg/kg)	ND (< 250 mg/kg)	ND (< 250 mg/kg)	ND (< 250 mg/kg)	ND (< 250 mg/kg)	ND (< 250 mg/kg)
Reactivity (Sulfur)	*	ND (< 500 mg/kg)	ND (< 500 mg/kg)	ND (< 500 mg/kg)	ND (< 500 mg/kg)	ND (< 500 mg/kg)	ND (< 500 mg/kg)	ND (< 500 mg/kg)	ND (< 500 mg/kg)
Corrosivity/pH	**	11.69 S.U.	12.08 S.U.	10.26 S.U.	8.66 S.U.	9.83 S.U.	11.97 S.U.	9.57 S.U.	12.07 S.U.

Ignitibility	NEG	Not Ignitable	Not Ignitable
Reactivity (Cyanide)	*	ND (< 250 mg/kg)	ND (< 250 mg/kg)
Reactivity (Sulfur)	*	ND (< 500 mg/kg)	ND (< 500 mg/kg)
Corrosivity/pH	**	12.14 S.U.	12.13 S.U.

Notes:

1. Building material samples collected by Blasland, Bouck & Lee, Inc. (BBL) during December 2004.
2. Samples analyzed by SGS Environmental Services, Inc. (Charleston, West Virginia).
3. Samples were analyzed for the following:
   - Ignitibility using USEPA Method SW-846 Method 7.1.2.2.
   - Reactivity using USEPA SW-846 Methods 9012mod and 9030B.
   - Corrosivity/pH using USEPA SW-846 Method 9045C.
4. * - Sample which does not exceed the USEPA action level of 250 mg cyanide/kg waste and/or 500 mg sulfide/kg waste in accordance with SW-846, is not reactive.
5. ** - Sample is corrosive if pH is less than or equal to 2 or greater than or equal to 12.5 Standard Units (S.U.).
6. NEG - Sample is not ignitable if it does not ignite at less than 140 ° F.
7. ND - Compound was not detected at a concentration exceeding the laboratory detection limit. The listed value represents the laboratory detection limit.
8. Resource Conservation and Recovery Act (RCRA) Regulatory levels for hazardous waste characteristics as presented in 40 CFR 261.

Figures

LEGEND:

BUILDINGS ANTICIPATED TO BE REMOVED AS PART OF SITE NO. 1 BUILDING DEMOLITION PROJECT

NOTE:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-1033-1 ENTITLED 'SITE DEMOLITION PLAN' CREATED BY HILL ENGINEERS, ARCHITECTS, AND PLANNERS, DATED FEBRUARY 15, 1999.

NOT TO SCALE

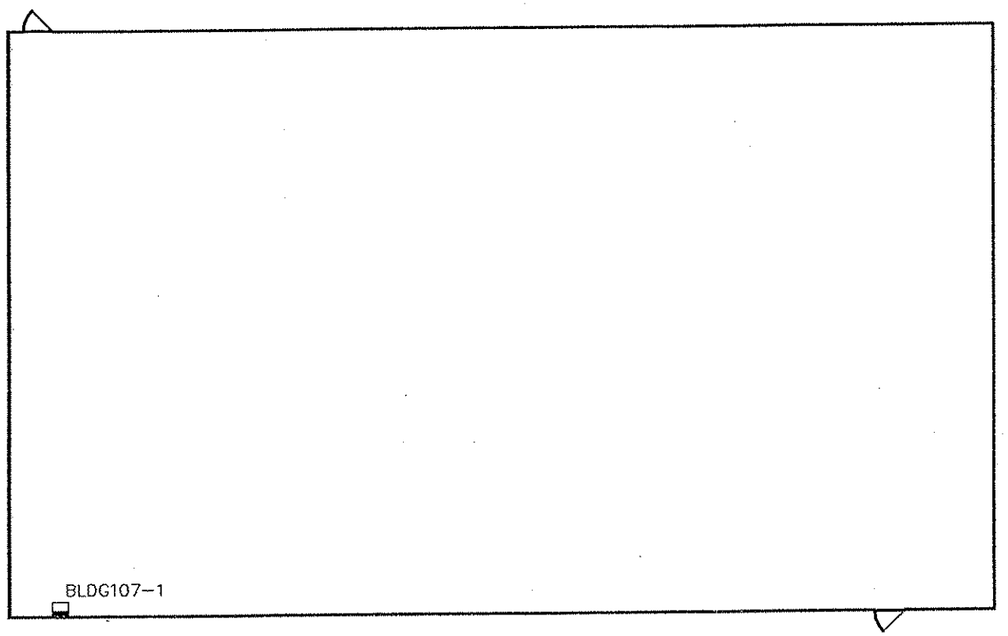
GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

SITE NO. 1 DEMOLITION PLAN

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

FIGURE 1

L: ON=*, OFF=REF*
P: PAGESET/PLT-BL1
1/6/05 SYR-BS-NJR
C/20648001/20648801.DWG



NOTES:

1. ALL LOCATIONS ARE APPROXIMATE.

2. WALL THICKNESSES AND COLUMNS (AND OTHER BUILDING COMPONENTS) ARE NOT NECESSARILY SHOWN TO SCALE.

LEGEND:

CONCRETE WALL CORE SAMPLE LOCATION

NOT TO SCALE

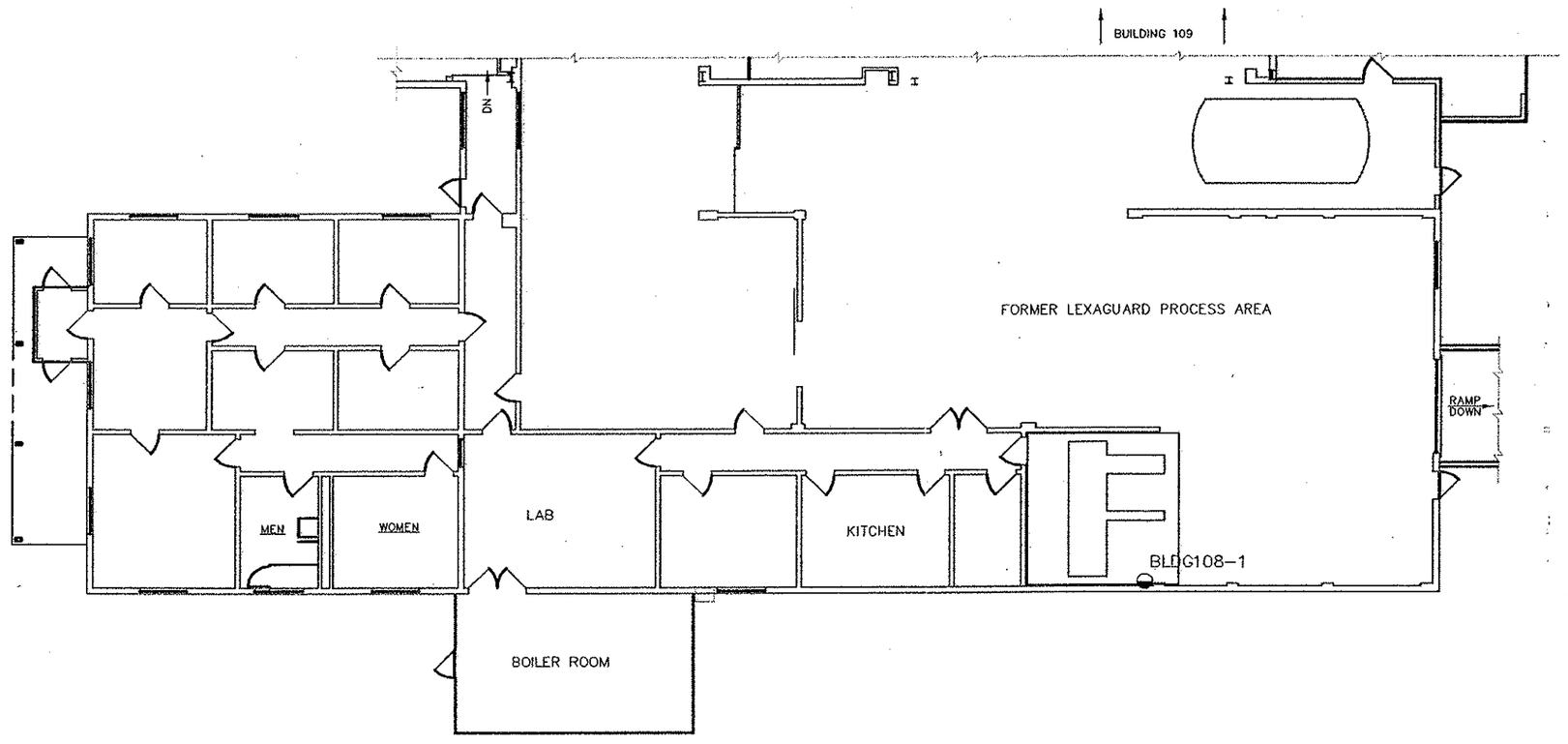
GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

BUILDING 107 - FLOOR PLAN

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

FIGURE 2

L: ON=*, OFF=REF*
P: PAGESET/PLT-SL1
1/6/05 SYR-BS-NJR
C/20648001/20648B16.DWG



NOTES:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-921-1-108-1 ENTITLED 'FLOOR PLAN' CREATED BY GE PLASTICS-FACILITIES, DATED AUGUST 8, 1995.

2. ALL LOCATIONS ARE APPROXIMATE.

3. WALL THICKNESSES AND COLUMNS (AND OTHER BUILDING COMPONENTS) ARE NOT NECESSARILY SHOWN TO SCALE.

LEGEND:

◒ CONCRETE BLOCK WALL CORE SAMPLE LOCATION

0 15' 30'

GRAPHIC SCALE

GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

BUILDING 108 - FLOOR PLAN

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

FIGURE 3

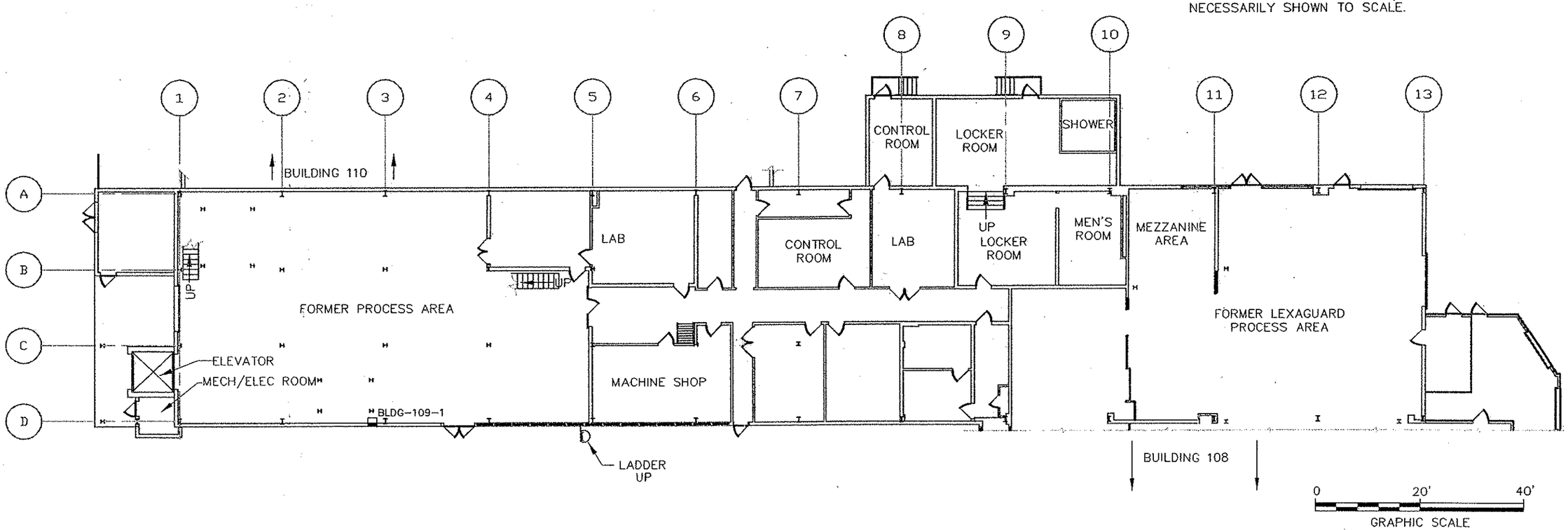
L: ON=*, OFF=REF*
P: PAGESET/PLT-BL1
1/6/05 SYR-BS-NJR
C/20648001/20648B13.DWG

NOTES:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-921-1-109-1 ENTITLED 'FLOOR PLANS' CREATED BY GE PLASTICS-FACILITIES, DATED AUGUST 8, 1995.

2. ALL LOCATIONS ARE APPROXIMATE.

3. WALL THICKNESSES AND COLUMNS (AND OTHER BUILDING COMPONENTS) ARE NOT NECESSARILY SHOWN TO SCALE.



LEGEND:

CONCRETE WALL CORE SAMPLE LOCATION

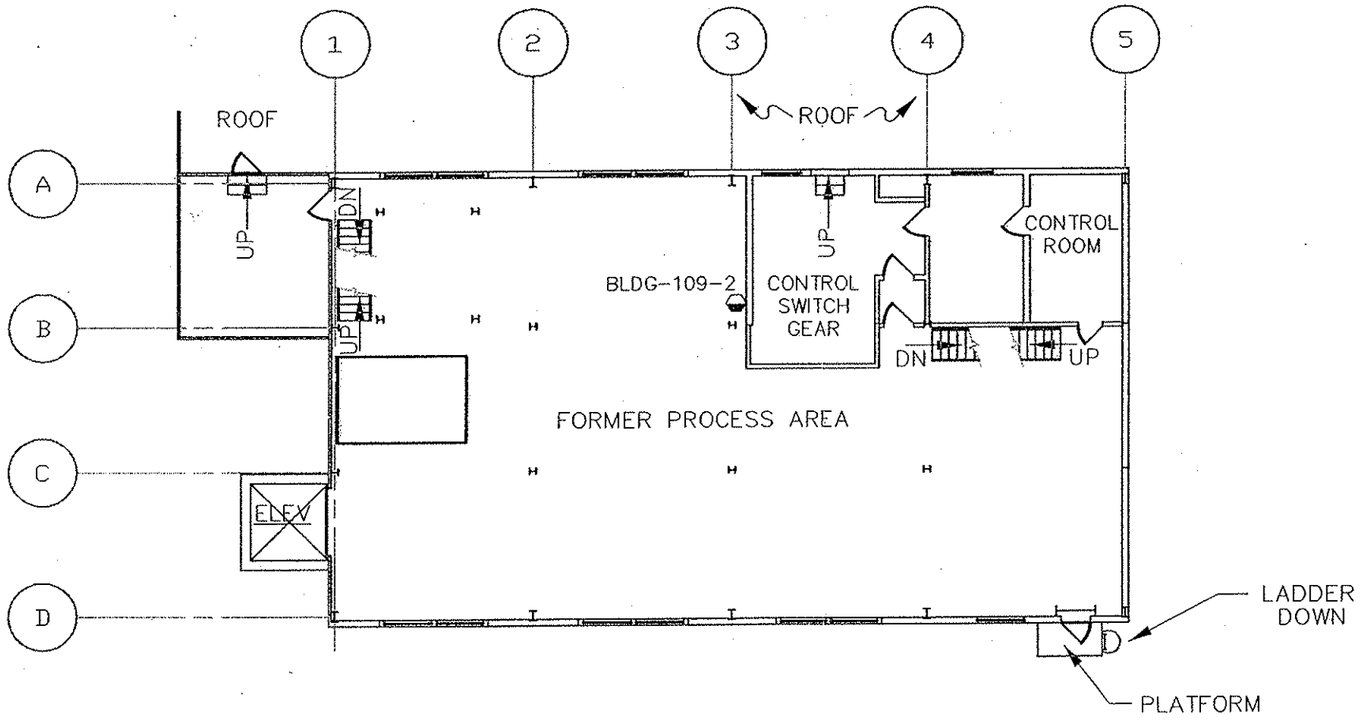
GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

BUILDING 109 - FIRST FLOOR PLAN

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

FIGURE **4A**

L: ON=*, OFF=REF*
P: PAGESET/PLT-BL1
1/6/05 SYR-BS-NJR
C/20648001/20648B02.DWG



NOTES:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-921-1-109-1 ENTITLED 'FLOOR PLANS' CREATED BY GE PLASTICS-FACILITIES, DATED AUGUST 8, 1995.

2. ALL SAMPLE LOCATIONS ARE APPROXIMATE.

3. WALL THICKNESSES AND COLUMNS (AND OTHER BUILDING COMPONENTS) ARE NOT NECESSARILY SHOWN TO SCALE.

LEGEND:

BRICK WALL CORE SAMPLE LOCATION

0 15' 30'

GRAPHIC SCALE

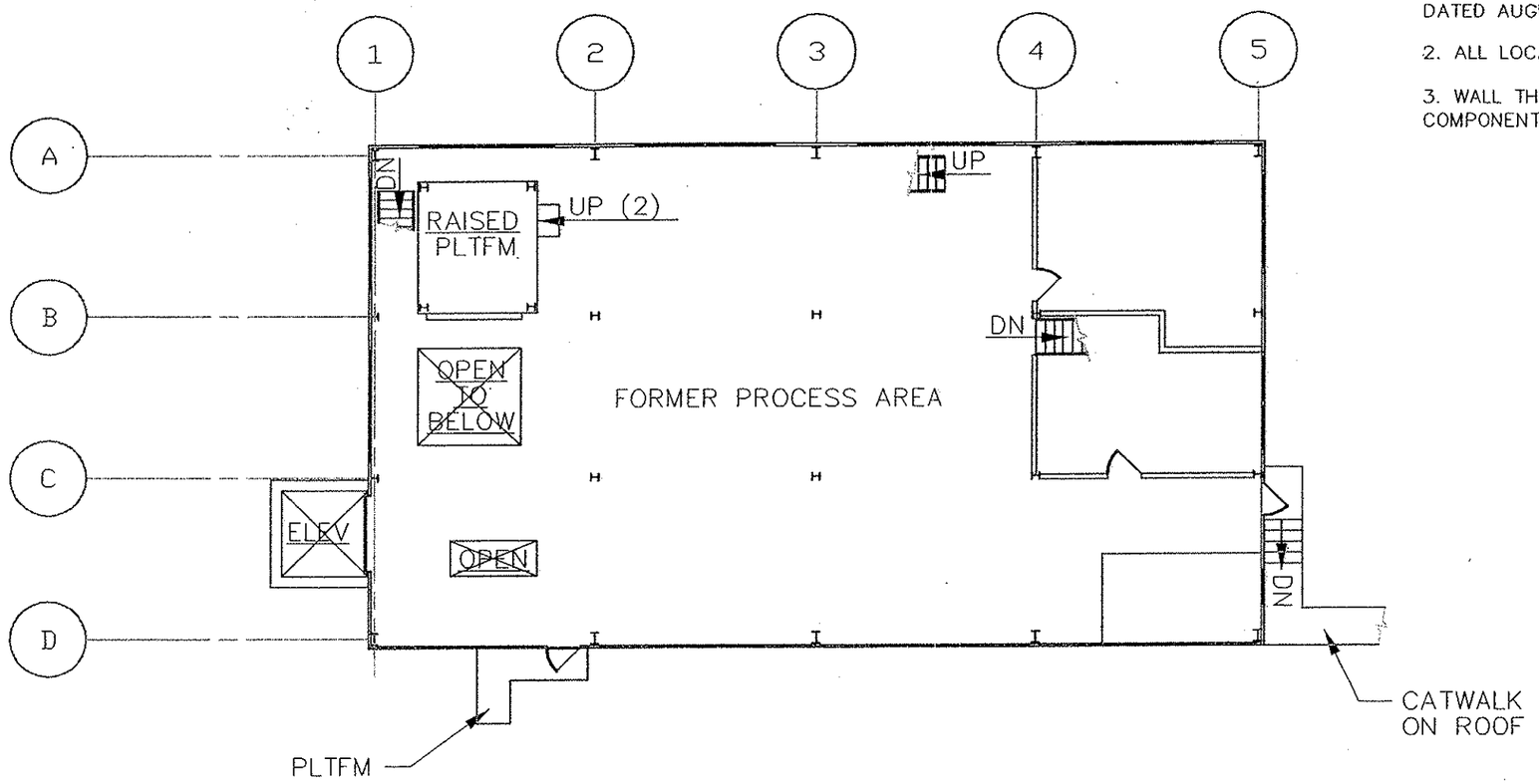
GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

BUILDING 109 - SECOND FLOOR PLAN

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

FIGURE **4B**

L: ONs*, OFF=REF*
P: PAGESET/PLT-BL1
1/6/05 SYR-BS-NJR
C/20648001/20648B03.DWG



NOTES:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-921-1-109-1 ENTITLED 'FLOOR PLANS' CREATED BY GE PLASTICS-FACILITIES, DATED AUGUST 8, 1995.

2. ALL LOCATIONS ARE APPROXIMATE.

3. WALL THICKNESSES AND COLUMNS (AND OTHER BUILDING COMPONENTS) ARE NOT NECESSARILY SHOWN TO SCALE.

0 15' 30'

GRAPHIC SCALE

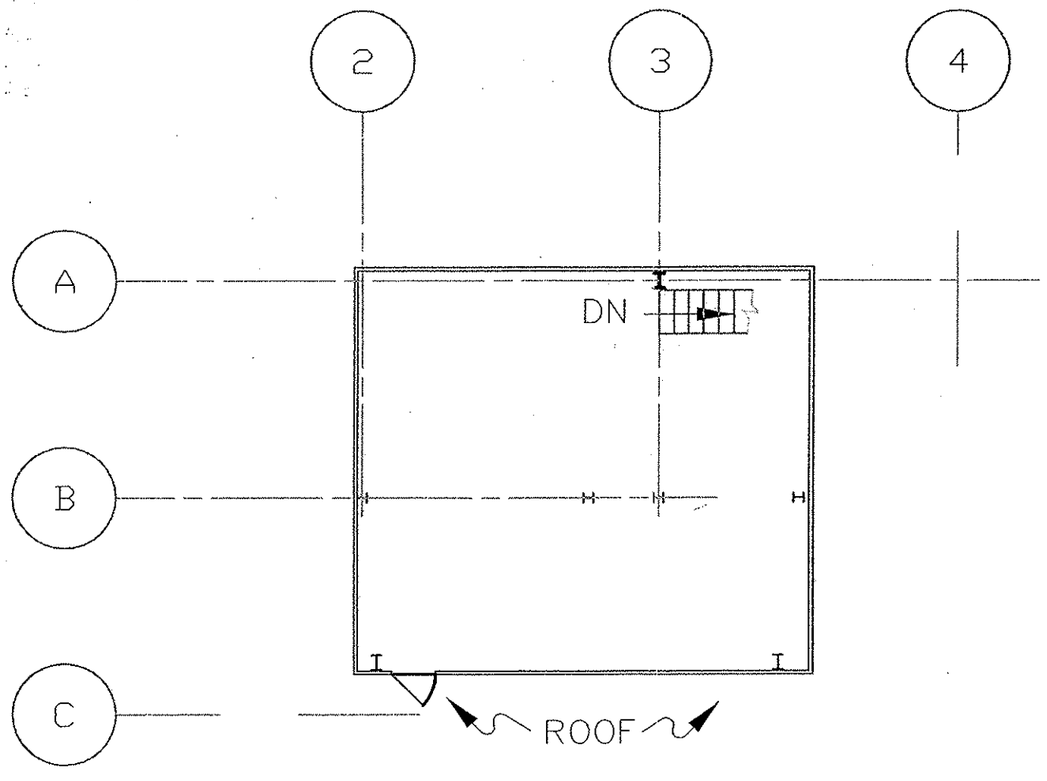
GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

BUILDING 109 - THIRD FLOOR PLAN

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

FIGURE **4C**

L: ON=*, OFF=REF*
P: PAGESET/PLT-BL1
1/6/05 SYR-BS-NJR
C/20648001/20648B04.DWG



NOTES:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-921-1-109-1 ENTITLED 'FLOOR PLANS' CREATED BY GE PLASTICS-FACILITIES, DATED AUGUST 8, 1995.
2. ALL LOCATIONS ARE APPROXIMATE.
3. WALL THICKNESSES AND COLUMNS (AND OTHER BUILDING COMPONENTS) ARE NOT NECESSARILY SHOWN TO SCALE.

0 10' 20'

GRAPHIC SCALE

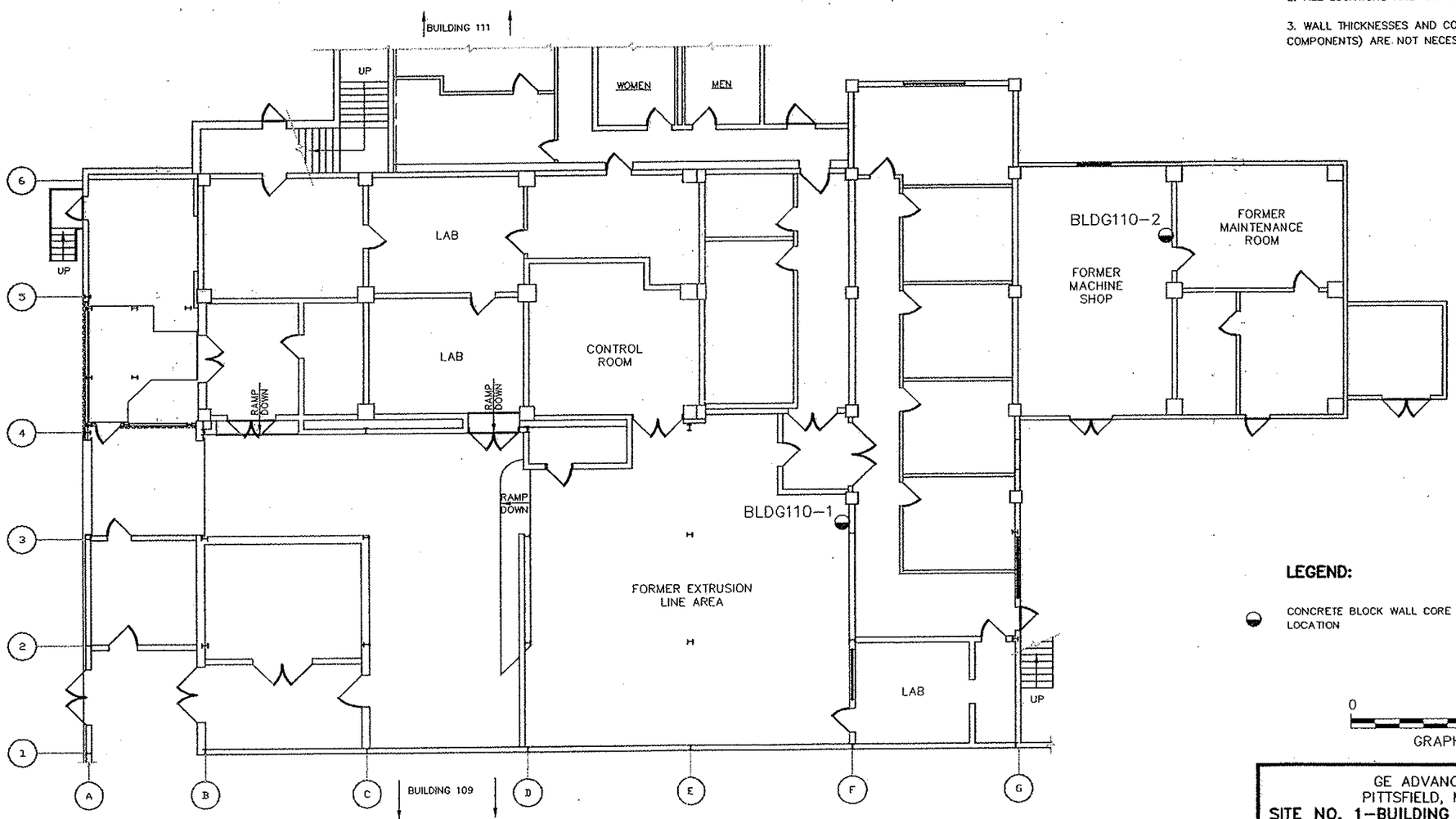
GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

BUILDING 109 - PENTHOUSE PLAN

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

FIGURE **4D**

L: ON=*, OFF=REF*
P: PAGESET/PLT-BL1
1/6/05 SYR-BS-NJR
C/20648001/20648B05.DWG



NOTES:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-921-1-110-1 ENTITLED 'FLOOR PLANS' CREATED BY GE PLASTICS-FACILITIES, DATED AUGUST 8, 1995.

2. ALL LOCATIONS ARE APPROXIMATE.

3. WALL THICKNESSES AND COLUMNS (AND OTHER BUILDING COMPONENTS) ARE NOT NECESSARILY SHOWN TO SCALE.

LEGEND:

CONCRETE BLOCK WALL CORE SAMPLE LOCATION

0 15' 30'

GRAPHIC SCALE

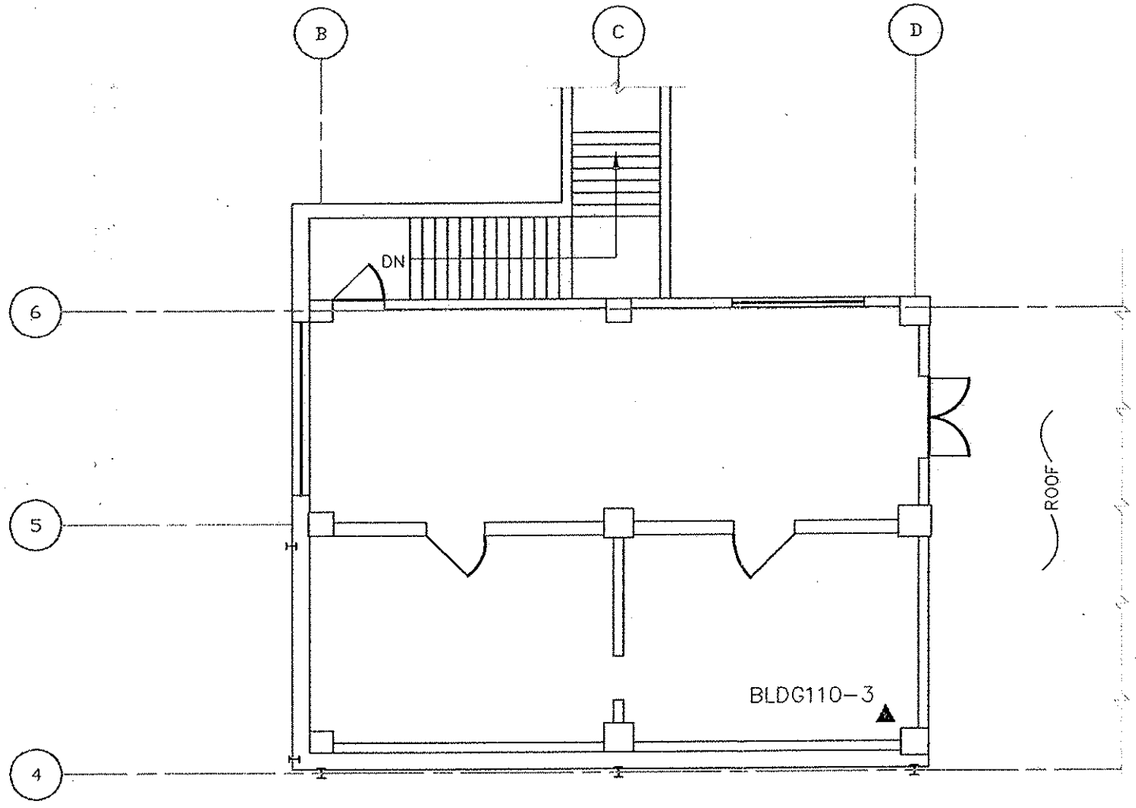
GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

BUILDING 110 - FIRST FLOOR PLAN

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

FIGURE **5A**

L: ON=*, OFF=REF*
P: PAGESET/PLT-BL1
1/6/05 SYR-BS-NJR
C/20648001/20648806.DWG



NOTES:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-921-1-110-1 ENTITLED 'FLOOR PLANS' CREATED BY GE PLASTICS--FACILITIES, DATED AUGUST 8, 1995.

2. ALL LOCATIONS ARE APPROXIMATE.

3. WALL THICKNESSES AND COLUMNS (AND OTHER BUILDING COMPONENTS) ARE NOT NECESSARILY SHOWN TO SCALE.

LEGEND:

▲ CONCRETE FLOOR CORE SAMPLE LOCATION

0 10' 20'

GRAPHIC SCALE

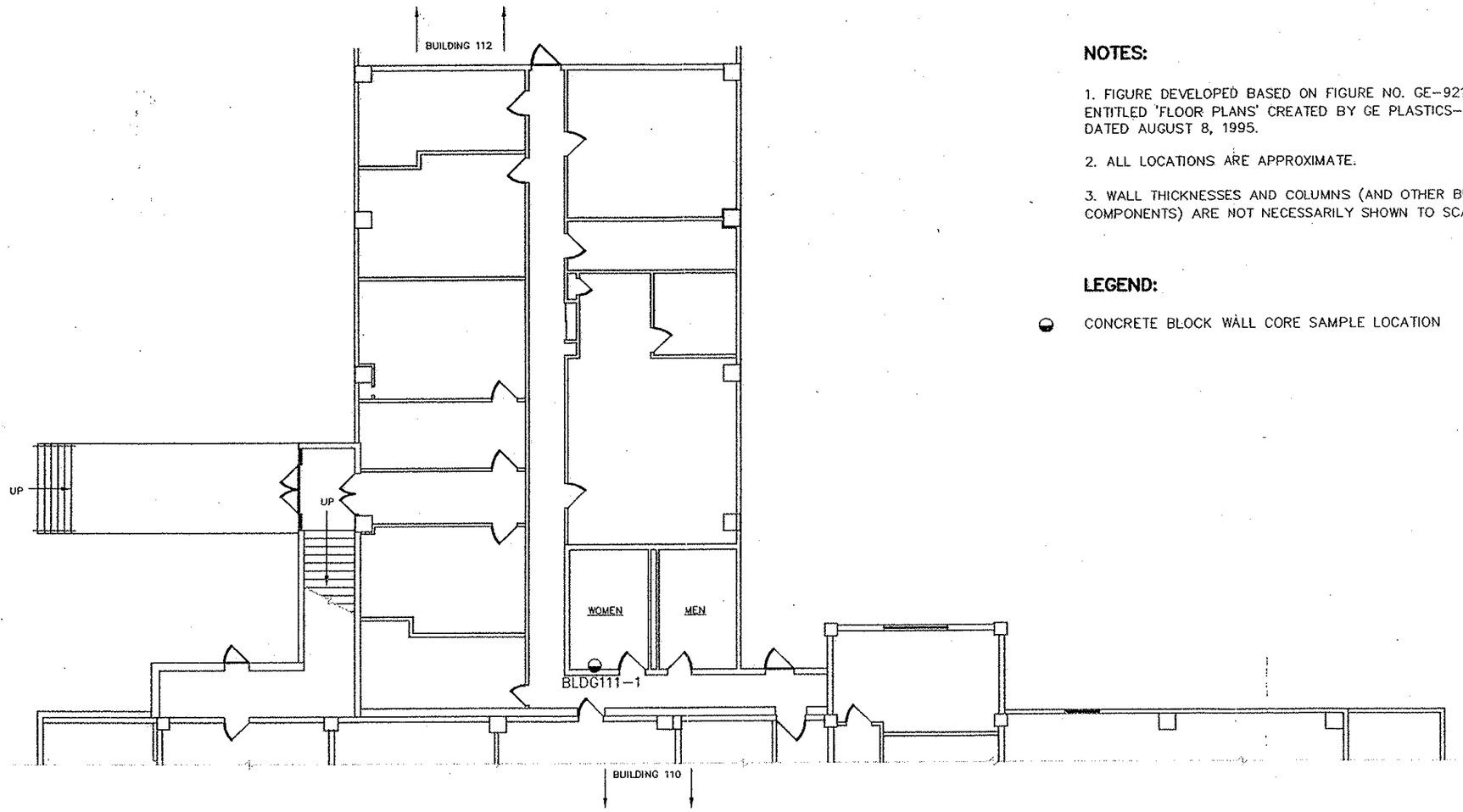
GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

BUILDING 110 - SECOND FLOOR PLAN

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

FIGURE **5B**

L: ON=*, OFF=REF*
P: PAGESET/PLT-BL1
1/6/05 SYR-BS-NJR
C/20648001/20648B07.DWG



NOTES:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-921-1-111-1 ENTITLED 'FLOOR PLANS' CREATED BY GE PLASTICS-FACILITIES, DATED AUGUST 8, 1995.

2. ALL LOCATIONS ARE APPROXIMATE.

3. WALL THICKNESSES AND COLUMNS (AND OTHER BUILDING COMPONENTS) ARE NOT NECESSARILY SHOWN TO SCALE.

LEGEND:

◒ CONCRETE BLOCK WALL CORE SAMPLE LOCATION

0 15' 30'

GRAPHIC SCALE

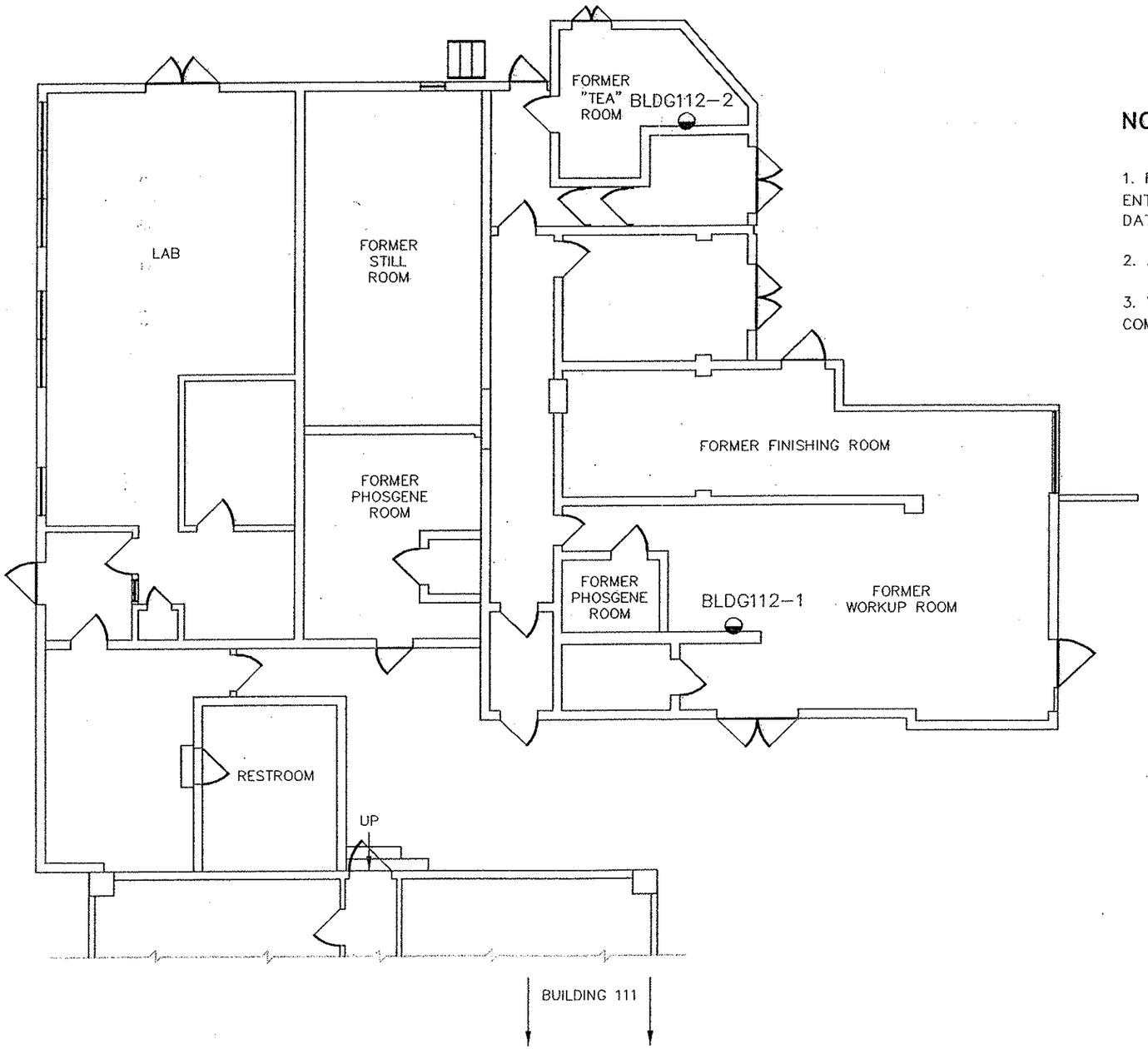
GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

BUILDING 111 - FLOOR PLAN

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

FIGURE **6**

L: ON=*, OFF=REF*
P: PAGESET/PLT-BL1
1/6/05 SYR-85-NJR
C/20648001/20648808.DWG



NOTES:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-921-1-112-1 ENTITLED 'FLOOR PLANS' CREATED BY GE PLASTICS-FACILITIES, DATED AUGUST 8, 1995.

2. ALL LOCATIONS ARE APPROXIMATE.

3. WALL THICKNESSES AND COLUMNS (AND OTHER BUILDING COMPONENTS) ARE NOT NECESSARILY SHOWN TO SCALE.

LEGEND:

⊕ CONCRETE BLOCK WALL CORE SAMPLE LOCATION

0 10' 20'

GRAPHIC SCALE

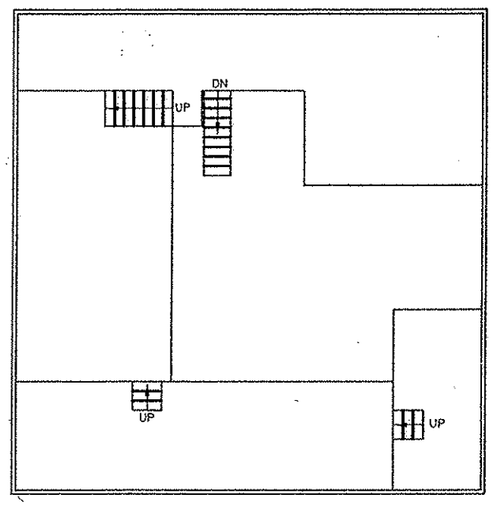
GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

BUILDING 112 - FLOOR PLAN

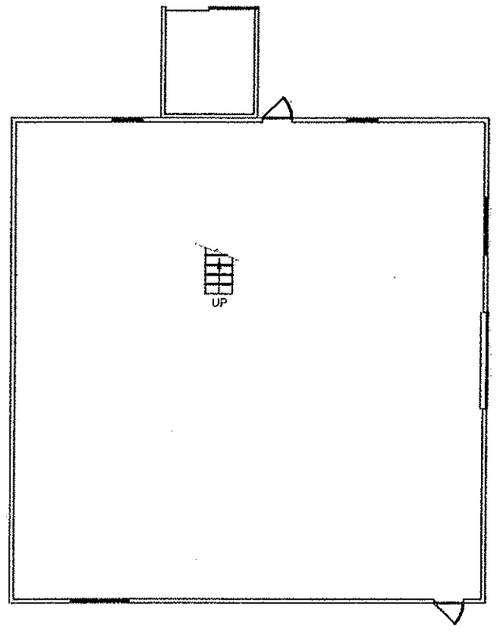
BBL BLASLAND, BOUCK & LEE, INC. engineers, scientists, economists

FIGURE 7

L: ON=*, OFF=REF*
P: PAGESET/PLT-BL1
1/6/05 SYR-BS-NJR
C/20648001/20648B09.DWG



MEZZANINE PLAN



FIRST FLOOR PLAN

NOTES:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-921-1-113-1 ENTITLED 'FLOOR PLANS' CREATED BY GE PLASTICS-FACILITIES, DATED AUGUST 8, 1995.

2. ALL LOCATIONS ARE APPROXIMATE.

3. WALL THICKNESSES AND COLUMNS (AND OTHER BUILDING COMPONENTS) ARE NOT NECESSARILY SHOWN TO SCALE.

0 15' 30'

GRAPHIC SCALE

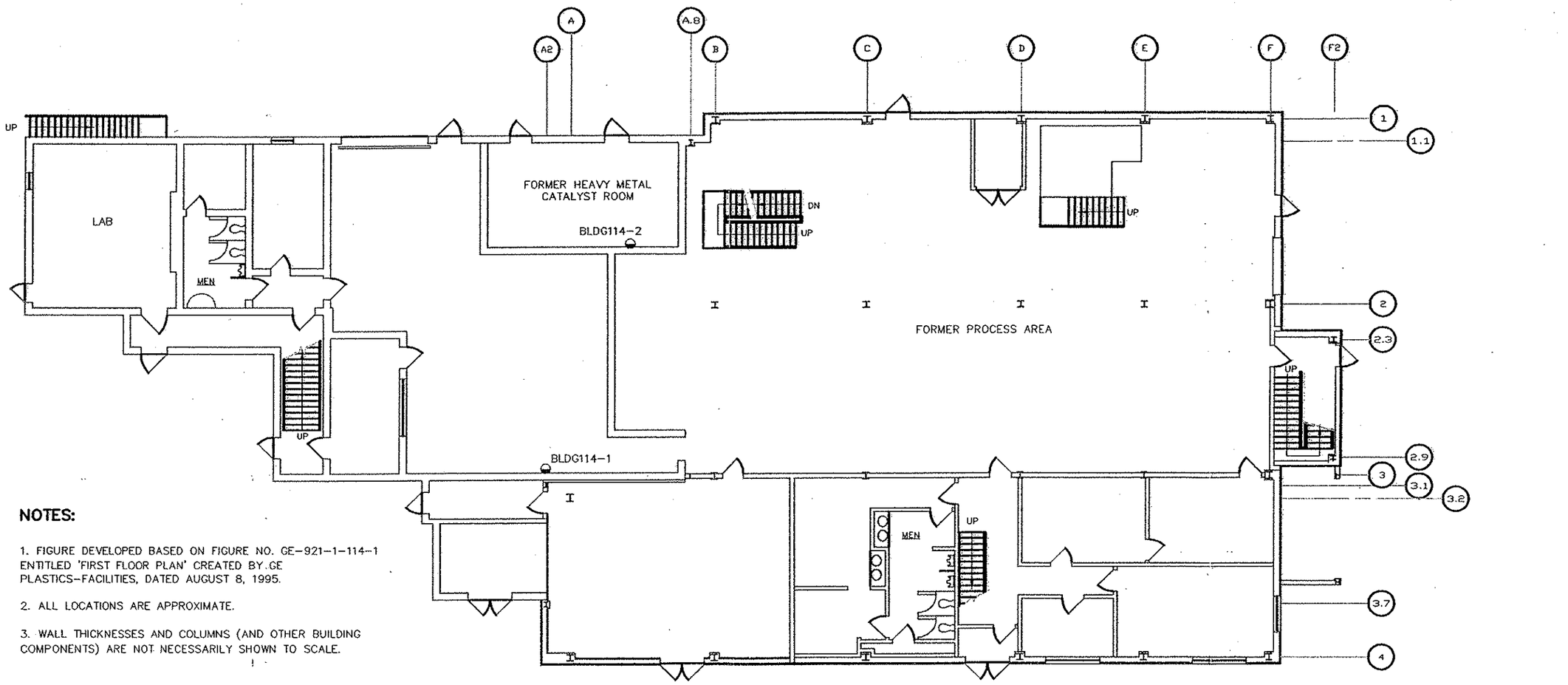
GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

BUILDING 113 - FLOOR PLANS

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

FIGURE 8

L: ON=*, OFF=REF*
P: PAGESET/PLT-BL1
1/6/05 SYR-85-NJR
C/20648001/20648B14.DWG



NOTES:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-921-1-114-1 ENTITLED 'FIRST FLOOR PLAN' CREATED BY GE PLASTICS-FACILITIES, DATED AUGUST 8, 1995.

2. ALL LOCATIONS ARE APPROXIMATE.

3. WALL THICKNESSES AND COLUMNS (AND OTHER BUILDING COMPONENTS) ARE NOT NECESSARILY SHOWN TO SCALE.

LEGEND:

● CONCRETE BLOCK WALL CORE SAMPLE LOCATION

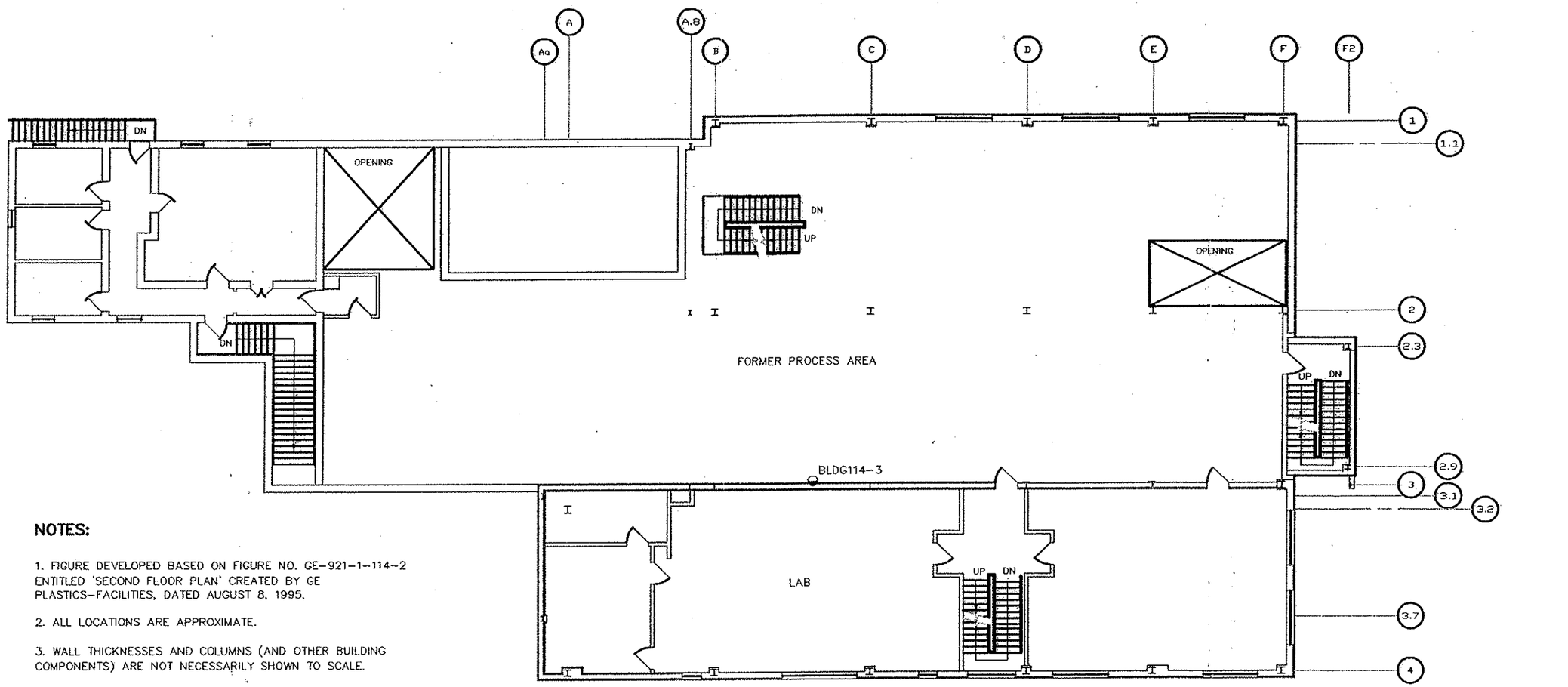
GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

BUILDING 114 - FIRST FLOOR PLAN

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

FIGURE **9A**

L: ON=*, OFF=REF*
P: PAGESET/PLT-BL1
1/6/05 SYR-85-NJR
C/20648001/20648B10.DWG



NOTES:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-921-1-114-2 ENTITLED 'SECOND FLOOR PLAN' CREATED BY GE PLASTICS-FACILITIES, DATED AUGUST 8, 1995.

2. ALL LOCATIONS ARE APPROXIMATE.

3. WALL THICKNESSES AND COLUMNS (AND OTHER BUILDING COMPONENTS) ARE NOT NECESSARILY SHOWN TO SCALE.

LEGEND:

◒ CONCRETE BLOCK WALL CORE SAMPLE LOCATION

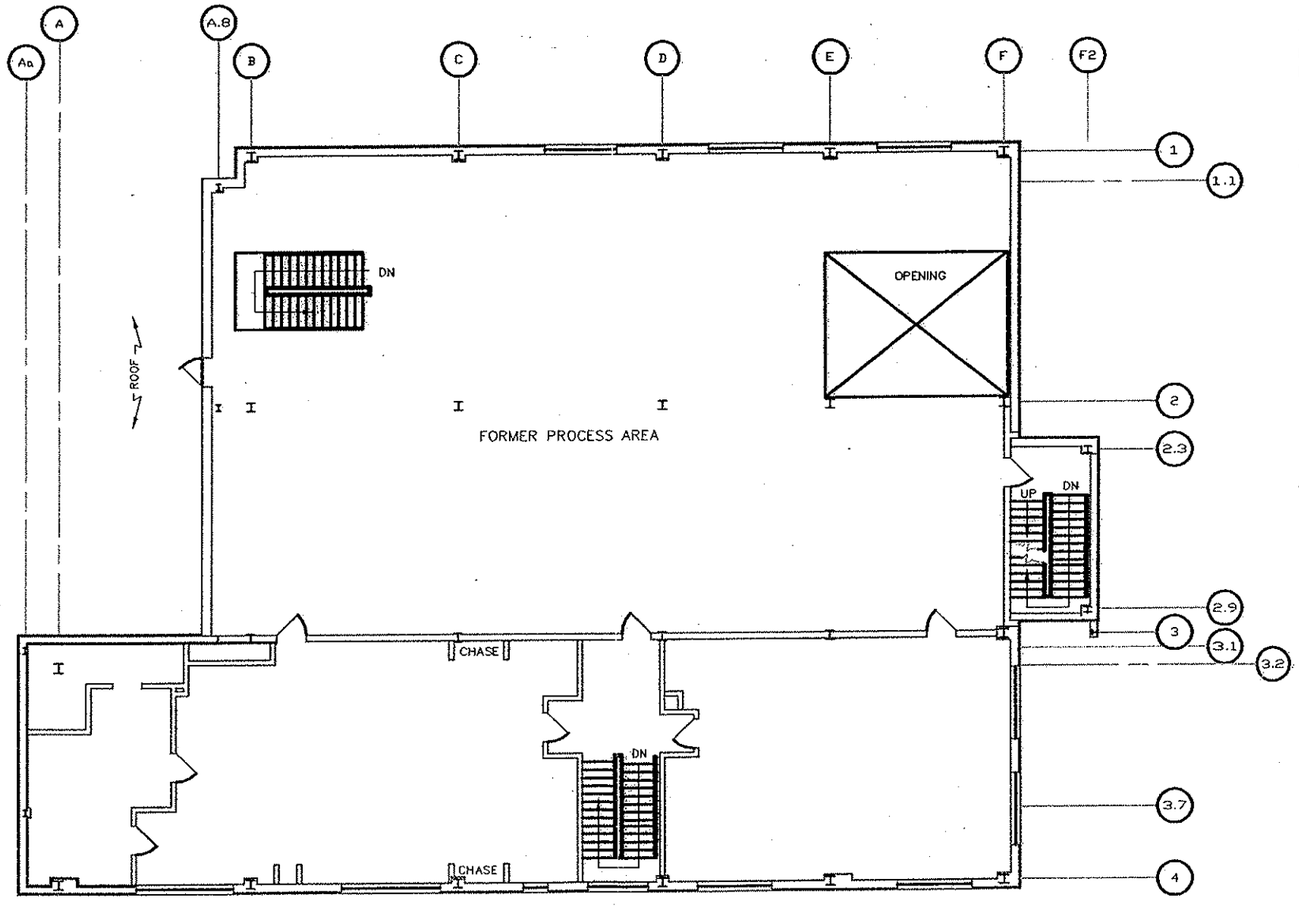
GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

BUILDING 114 - SECOND FLOOR PLAN

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

FIGURE **9B**

L: ONet*, OFF=REF*
P: PAGESET/PL1-BL1
1/6/05 SYR-65-N.R
C/20648001/20648B11.DWG



NOTES:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-921-1-114-3 ENTITLED 'THIRD FLOOR PLAN' CREATED BY GE PLASTICS-FACILITIES, DATED AUGUST 8, 1995.

2. ALL LOCATIONS ARE APPROXIMATE.

3. WALL THICKNESSES AND COLUMNS (AND OTHER BUILDING COMPONENTS) ARE NOT NECESSARILY SHOWN TO SCALE.

0 15' 30'

GRAPHIC SCALE

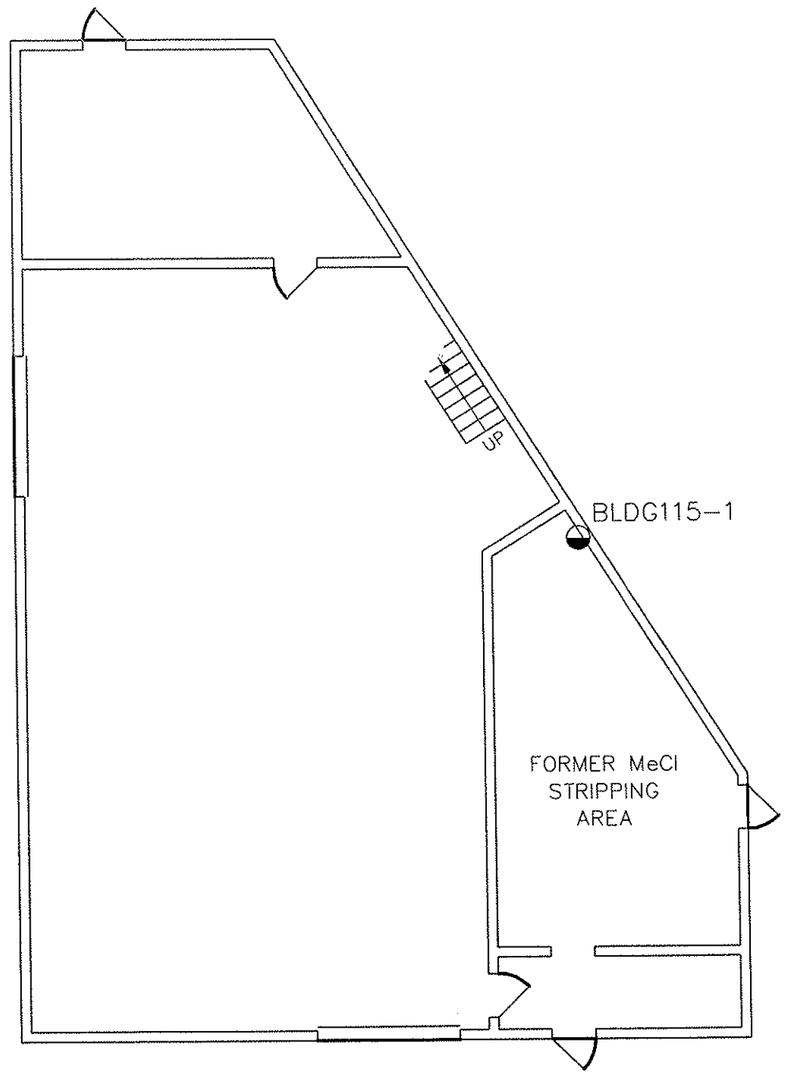
GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

BUILDING 114 - THIRD FLOOR PLAN

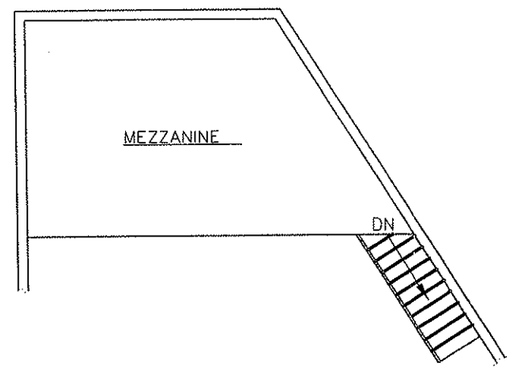
BBL® BLASLAND, BOUCK & LEE, INC. engineers, scientists, economists

FIGURE **9C**

L: ON=*, OFF=REF*
P: PAGESET/PLT-BL1
1/6/05 SYR-05-NJR
C/20648001/20648B12.DWG



FLOOR PLAN



MEZZANINE PLAN

NOTES:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-921-1-115-1 ENTITLED 'FLOOR PLANS' CREATED BY GE PLASTICS-FACILITIES, DATED AUGUST 8, 1995.

2. ALL LOCATIONS ARE APPROXIMATE.

3. WALL THICKNESSES AND COLUMNS (AND OTHER BUILDING COMPOPNENTS) ARE NOT NECESSARILY SHOWN TO SCALE.

LEGEND:

CONCRETE BLOCK WALL CORE SAMPLE LOCATION

0 10' 20'

GRAPHIC SCALE

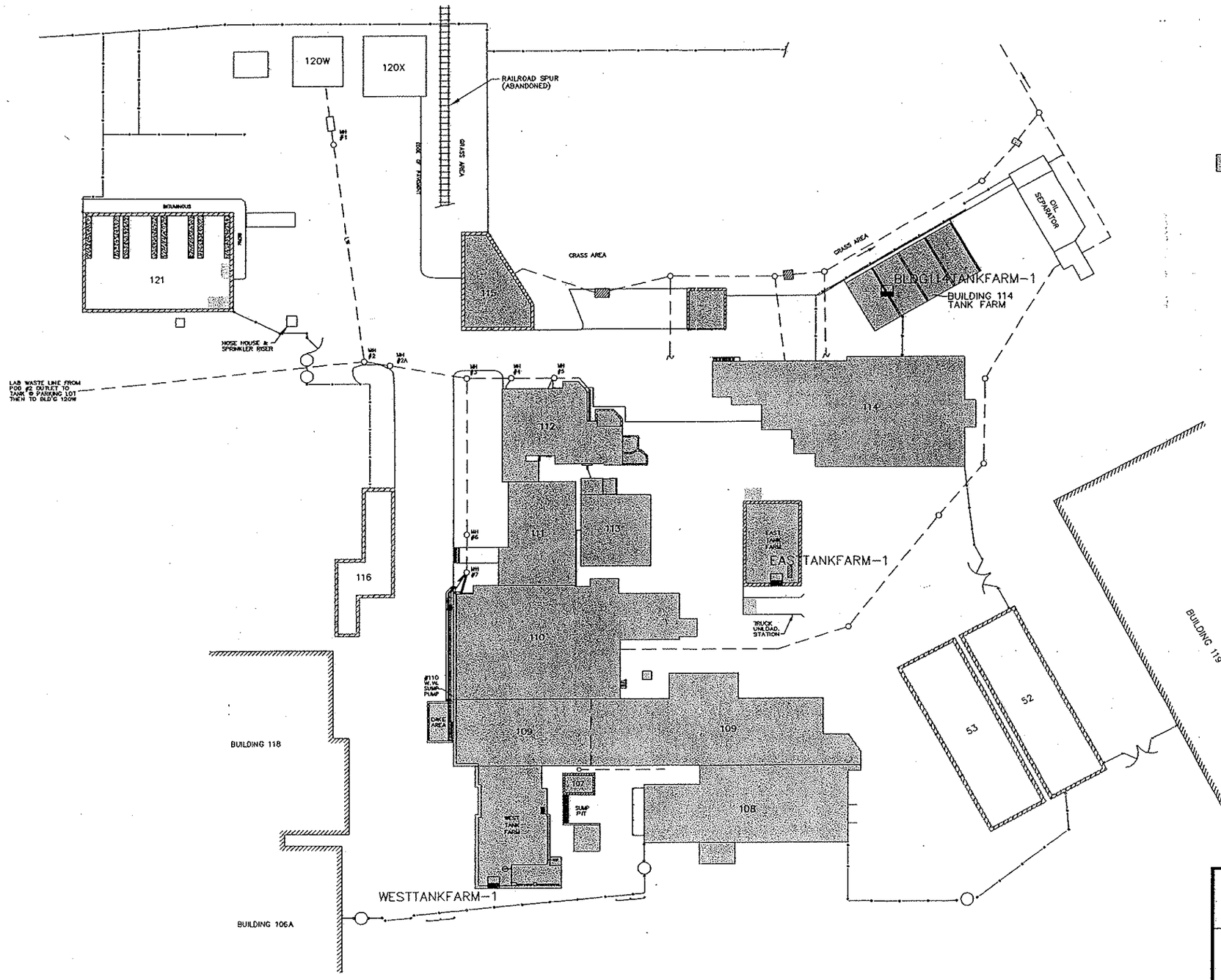
GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

BUILDING 115 - FLOOR PLANS

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

FIGURE 10

L: ON=*, OFF=REF*
P: PAGESET/PLT-BLI
1/6/05 SYR-85-NJR
C/20648001/20648B15.DWG



LEGEND:

- BUILDINGS ANTICIPATED TO BE REMOVED AS PART OF SITE NO. 1 BUILDING DEMOLITION PROJECT
- CONCRETE WALL CORE SAMPLE LOCATION

NOTES:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-1033-1 ENTITLED 'SITE DEMOLITION PLAN' CREATED BY HILL ENGINEERS, ARCHITECTS, AND PLANNERS, DATED FEBRUARY 15, 1999.
2. ALL LOCATIONS ARE APPROXIMATE.

NOT TO SCALE

GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION ASSESSMENT

TANK FARM BUILDING MATERIAL SAMPLE LOCATIONS

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

FIGURE 11

L: ON=*, OFF=REF*
P: PAGESET/PLT-BL1
1/6/05 SYR-85-NJR
C/20648001/20648B17.DWG

Attachment A

Estimated Building Material Quantities

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

Attachment A

DRAFT
CONFIDENTIAL

GE Advanced Materials
Pittsfield, Massachusetts
Site No. 1 Building Demolition
Pre-Demolition Assessment

Estimated Building Material Quantities

Building ID	Approximate Area (Square Feet)	Estimated Building Material Quantities (tons)			
		Concrete/Concrete Block/Brick	Steel/Metal	Miscellaneous C&D Debris	Estimated Total
Building 107	750	151	17	3	171
Building 108	8,400	517	24	10	551
Building 109	1st Floor: 16,200 2nd Floor: 4,500 3rd Floor: 3,900 Penthouse: 810	1,309	268	26	1,603
Building 110	1st Floor: 7,900 2nd Floor: 1,300 3rd Floor: 1,300	1,945	28	39	2,012
Building 111	5,200	189	28	4	220
Building 112	6,600	485	24	10	519
Building 113	1st Floor: 2,500 2nd Floor: 2,000	72	29	2	103
Building 114	1st Floor: 11,000 2nd Floor: 9,400 3rd Floor: 6,400	877	549	18	1,444
Building 115	2,000	393	7	8	408
Estimated Totals (tons):		5,939	975	119	7,031

Note:
Building material quantities do not include subgrade construction materials, including floor slabs, foundations, etc.

Attachment B

Summary of Documentation Review

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

Attachment B

GE Advanced Materials
Pittsfield, Massachusetts
Site No. 1 Building Demolition
Pre-Demolition Assessment

Summary of Documentation Review

General:

BBL met with Hill Engineers, Architects, Planners (Hill Engineers) at the site to review available documentation/information provided by GEAM regarding the structures scheduled for demolition. The document review was conducted to gain a general understanding of historical building use, site conditions, and previously identified and/or potential environmental concerns that may impact the planned demolition at the facility. Based on telephone conversations during the pre-demolition assessment, GEAM indicated that comprehensive documentation regarding historical operations and/or use for the buildings scheduled for demolition was not available. The following information was provided by GEAM during the document review process:

- *Site Demolition Study* (Hill Engineers, July 9, 1999, revised July 5, 2000).
- *Facility Wide Asbestos Survey* (ERM-Northeast, Inc., May 1995).
- Miscellaneous correspondence and reports related to previous asbestos removal activities and associated asbestos monitoring.
- Miscellaneous correspondence related to the closure of site operations and subsequent decommissioning and removal of process-related equipment formerly located within the buildings/structures.
- A spreadsheet summarizing equipment formerly located within Buildings 107, 109, 112, 113, 114, 115, the west tank farm, and the east tank farm, including information associated with materials/chemicals that were last known to be present in the equipment (dated August 19, 1998).
- A spreadsheet summarizing polychlorinated biphenyl (PCB) analytical results for wipe samples, paint chip samples, oil samples, and bulk insulation samples collected during 1998 and 1999 from equipment formerly located within Buildings 107, 109, 110, 112, 113, 114, 115, and the east tank farm.

Information identified during the review of documentation provided by GEAM is summarized below.

Site Demolition Study (Hill Engineers, (Hill Engineers, July 9, 1999, revised July 5, 2000)

The *Site Demolition Study* presents an evaluation of the cost benefits for demolishing the site buildings/structures.

Facility Wide Asbestos Survey (ERM-Northeast, Inc., May 1995) and Miscellaneous Asbestos-Related Correspondence and Reports

Information included in the *Facility Wide Asbestos Survey* and miscellaneous asbestos-related correspondence and reports indicates that asbestos-containing materials (ACM) were identified during previous survey activities and that abatement activities were performed to remove ACM from equipment previously decommissioned/removed and from select building components. However, ACM remains in the buildings scheduled for demolition and the information presented in the *Facility Wide Asbestos Survey* (May 1995) does not appear to be reliable for the identification of remaining ACM in the buildings.

Attachment B

GE Advanced Materials
Pittsfield, Massachusetts
Site No. 1 Building Demolition
Pre-Demolition Assessment

Summary of Documentation Review

Miscellaneous Site Closure/Equipment Decommissioning Correspondence

Miscellaneous correspondence (internal GE correspondence and external correspondence) related to the closure of former site operations and previous equipment decommissioning/removal activities. The miscellaneous correspondence (dated between 1996 and 2000) includes protocols for performing equipment sampling and decommissioning. An August 1998 correspondence indicates that "All bulk chemicals used in the various SMO processes in all the SMO buildings, including most waste chemicals, have been removed from the site and their containers cleaned and flushed. There is still various small amounts of chemicals being found from time to time, and these are being removed as they are found. For all intents and purposes this area is chemical free..."

Miscellaneous correspondence also indicates that PCBs were used as part of the former production process in the 1960s in Building 112. In addition, the correspondence indicates that PCBs were generated as an incidental by-product of the production process associated with the Ultem Pilot Plant in Building 114. The documentation suggests that remediation activities were performed to address PCBs associated with Building 112. However, documentation of such remediation efforts was not available during the pre-demolition assessment. The available correspondence indicates that there has been no known historical use of PCB materials during operations in Buildings 107, 109, 110, 111, and 113.

Equipment Summary Spreadsheet

The spreadsheet (dated August 19, 1998) presents a listing of equipment located within Buildings 107, 109, 110, 112, 113, 114, 115, and the east tank farm identified prior to and/or during equipment decommissioning/removal activities in 1998. The spreadsheet does not include a comprehensive summary of all equipment that has been historically used in the buildings. The spreadsheet indicates that equipment formerly located in the buildings/structures included tanks, mixers, agitators, scrubbers, heat exchangers, blowers, centrifuges, pumps, carbon beds, reactors, etc. In addition, the spreadsheet provides information regarding known chemicals/materials associated with select equipment on the list. Based on this information (and other miscellaneous correspondence), chemicals/materials previously processed and/or generated within the buildings scheduled for demolition includes, but is not necessarily limited to, the following:

- Acetone
- Acetone pyridine
- Acentonitrile
- Acetic acid
- Acetic anhydride
- Ammonia
- Amorphous nylon
- Aniline
- Benzene
- bis-phenyl-A (BPA)
- Bromine
- 2-Butanol
- Capryl alcohol
- Caustic SBI (Spiral Bound Infringement)
- Caustic sodas
- Chlorobenzene
- Ethyl alcohol (ethanol)
- Ethylene dibromide
- Ethylene glycol
- Eugenol
- Formaldehyde
- Hexamethylenetetramine
- Hexane
- Hydrochloric acid
- Isobutanol
- Isopropyl alcohol
- Laminating resin (LR)
- Methanol
- Methylcabazate
- Methylene chloride
- Muriatic acid
- N-phenyl amine
- ortho-Dichlorobenzene (ODCB)
- Phenol
- Phosgene
- Polysiloxane (D10)
- Potassium hydroxide
- Propylene glycol
- Sodium formate
- Sodium hydroxide
- Sodium bicarbonate
- Sodium phenate
- Sulfur trioxide
- Sulfuric acid
- tert-Butylamine
- Tetrahydrafuran
- Toluene
- Triethylamine
- Xylene(s)
- Xylenol

Attachment B

GE Advanced Materials
Pittsfield, Massachusetts
Site No. 1 Building Demolition
Pre-Demolition Assessment

Summary of Documentation Review

PCB Analytical Results Spreadsheet

The spreadsheet includes a summary PCB analytical results for wipe samples, paint chip samples, oil samples, and bulk insulation samples collected during 1998 and 1999 from equipment formerly located within Buildings 107, 109, 110, 112, 113, 114, 115, and the east tank farm. In general, the analytical results indicate that PCBs were detected in 3 wipe samples (including 1 wipe samples collected from a painted equipment surface) at concentrations greater than 10 micrograms per 100 square centimeters ($\mu g/100\ cm^2$), and in 1 paint chip sample at a concentration greater than 50 parts per million (ppm) (note: the samples collected from equipment located in Buildings 109 and 112). A summary of the analytical results for samples collected from equipment formerly located within each building is presented below.

- Building 107:
  - PCB analytical results for each of the 3 wipe samples collected from painted equipment surfaces in Building 107 were non-detect (less than laboratory detection limits).
- Building 109:
  - PCBs were non-detect in 79 of 84 wipe samples collected from non-painted equipment surfaces. PCBs were detected greater than laboratory detection limits in 5 of the wipe samples, with a maximum concentration of 7.5 $\mu g/100\ cm^2$.
  - PCBs were non-detect in 57 of 59 wipe samples collected from painted equipment surfaces. PCBs were detected greater than laboratory detection limits in 2 of the wipe samples, with a maximum concentration of 27 $\mu g/100\ cm^2$.
  - PCBs were detected at concentrations greater than laboratory detection limits in 11 of 22 paint chip samples collected from equipment surfaces, with a maximum concentration of 15.6 ppm.
  - PCBs were non-detect in each of the 4 oil samples and 11 insulation bulk samples collected from equipment.
- Building 110:
  - PCBs were non-detect in 26 of 32 wipe samples collected from non-painted equipment surfaces. PCBs were detected greater than laboratory detection limits in 6 of the wipe samples, with a maximum concentration of 5 $\mu g/100\ cm^2$.
  - PCBs were non-detect in each of the 11 wipe samples collected from painted equipment surfaces.
  - PCBs were non-detect in each of the 6 paint chip samples, 4 bulk insulation samples, and the 1 oil sample collected from equipment.
- Building 112:
  - PCBs were non-detect in 64 of 74 wipe samples collected from non-painted equipment surfaces. PCBs were detected greater than laboratory detection limits in 10 of the wipe samples, with a maximum concentration of 90 $\mu g/100\ cm^2$.
  - PCBs were non-detect in 39 of 42 wipe samples collected from painted equipment surfaces. PCBs were detected greater than laboratory detection limits in 3 of the wipe samples, with a maximum concentration of 7.6 $\mu g/100\ cm^2$.
  - PCBs were non-detect in 14 of 23 paint chip samples collected from equipment surfaces. PCBs were detected at concentrations greater than laboratory detection limits in 9 paint chip samples, with a maximum concentration of 200 ppm.
  - PCBs were non-detect in each of the 6 oil samples and 7 bulk insulation samples collected from equipment.
- Building 113:
  - PCBs were non-detect in 12 of 13 wipe samples collected from non-painted equipment surfaces. PCBs were detected greater than laboratory detection limits in 1 of the wipe samples with a concentration of 3.5 $\mu g/100\ cm^2$.
  - PCBs were non-detect in each of the 12 wipe samples collected from painted equipment surfaces.
  - PCBs were non-detect in each of the 2 paint chip samples, 2 oil samples, and 2 bulk insulation samples collected from equipment.

Attachment B

GE Advanced Materials
Pittsfield, Massachusetts
Site No. 1 Building Demolition
Pre-Demolition Assessment

Summary of Documentation Review

PCB Analytical Results Spreadsheet (cont'd)

- Building 114:
  - PCBs were non-detect in 64 of 67 wipe samples collected from non-painted equipment surfaces. PCBs were detected greater than laboratory detection limits in 3 of the wipe samples, with a maximum concentration of 8.4 $\mu g/100\ cm^2$.
  - PCBs were non-detect in 39 of 40 wipe samples collected from painted equipment surfaces. PCBs were detected greater than laboratory detection limits in 1 of the wipe samples, with a concentration of 1.7 $\mu g/100\ cm^2$.
  - PCBs were detected at concentrations greater than laboratory detection limits in 7 of 10 paint chip samples collected from equipment surfaces, with a maximum concentration of 11.5 ppm.
  - PCBs were non-detect in each of the 4 oil samples and 3 bulk insulation samples collected from equipment.
- Building 115:
  - PCBs were non-detect in each of the 8 wipe samples collected from non-painted equipment surfaces, and each of the 4 wipe samples collected from painted equipment surfaces.
  - PCBs were detected at concentrations greater than laboratory detection limits in each of the 3 paint chip samples collected from equipment, with a maximum concentration of 3.2 ppm.
  - PCBs were detected at concentrations greater than laboratory detection limits in the 1 bulk insulation sample collected from equipment, with a concentration of 0.77 ppm.
- East Tank Farm:
  - PCBs were non-detect in each of the 2 wipe samples collected from non-painted equipment surfaces, 2 wipe samples collected from painted equipment surfaces, and 2 paint chip samples collected from equipment.

Attachment C

Summary of Meeting with Current GEAM Personnel

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

Attachment C

GE Advanced Materials
Pittsfield, Massachusetts
Site No. 1 Building Demolition
Pre-Demolition Assessment

Summary of Meeting with GEAM Personnel

General:

On December 3, 2004, BBL met with Mr. Keith Dodge and Mr. William Pike, current GEAM personnel (identified by GEAM) familiar with historical operations within the buildings scheduled for demolition. Mr. Dodge has worked at the facility since approximately 1977. Mr. Pike worked at the facility on a part-time basis between approximately 1980 and 1988, and on a full-time basis since 1988. Items discussed during the meeting included: known historical building use/operations; materials, chemicals, and processes used in the buildings; and potential environmental concerns associated with the buildings. Items discussed during our December 3, 2004 meeting are summarized below.

Building 107

- Building 107 was formerly used for chemical storage and support of operations in Building 109.
- Formerly contained an approximately 8,000- to 10,000-gallon storage tank (removed during the 1980s).
- Building 107 also formerly contained a carbon bed used for vapor treatment/stripping of volatiles.

Building 108

- Building 108 was formerly used in Lexgard® processing operations between approximately 1977 and 2003.
- Building 108 also includes laboratory and maintenance areas.

Building 109

- Southern portion of Building 109 was formerly used to support Lexgard® processing operations.
- Northern portion of Building 109 (all four floor levels) was a primary chemical processing area. Operations within the northern portion of Building 109 were supported by storage facilities at Building 107 and the West Tank Farm.
- The central portion of Building 109 includes former laboratory areas and a machine shop/maintenance room.
- A transformer (potentially containing polychlorinated biphenyls [PCBs]) was formerly located in the machine shop/maintenance room in Building 109. In addition, a transformer (potentially containing PCBs) was formerly located to the east outside of Building 109.
- Process equipment with stacks extending onto the building roof, historically "spit" materials onto the building roof.
- Equipment and piping within Building 109 was decommissioned and removed between approximately 1999 and 2001.
- Numerous chemicals and materials were used during operations in Building 109 (see Attachment B).

Building 110

- Building 110 has historically been used for a variety of production operations, undergoing many changes through the years (including operation as a phenol plant and other potential unknown operations).
- Historically, floors inside the building were periodically washed using solvents (potentially for other buildings also).
- Building 110 includes former laboratory areas, a machine shop, and a maintenance room.

Attachment C

GE Advanced Materials
Pittsfield, Massachusetts
Site No. 1 Building Demolition
Pre-Demolition Assessment

Summary of Meeting with GEAM Personnel

Building 111

- Building 111 consists primarily of offices and conference rooms.
- Physical testing of materials were formerly performed in Building 111.

Building 112

- Building 112 formerly used in the production of laminating resin (LR).
- Former chemical processing and storage were performed in multiple rooms in Building 112, including the still room, workup room, laboratory, finishing room, and "tea" (triethylamine) room.
- Building 112 also includes rooms formerly used for the storage/distribution of Phosgene (a toxic chemical intermediate that also historically was used as a chemical warfare agent). Former phosgene storage containers and process lines were previously flushed and removed.
- A release of an arsenic-based compound historically occurred on the first floor of Building 112. Concrete removal/scarification activities were previously performed to address the incident.
- Process equipment with stacks extending onto the building roof, historically "spit" materials onto the building roof.
- Numerous chemicals and materials were used during operations in Building 109 (see Attachment B).

Building 113

- Historically used for the drying of products/materials.
- Process equipment formerly located within Building 113 included tumble dryers and extruders.
- Currently used as a waste accumulation area for universal wastes and other waste materials.

Building 114

- Building 114 constructed as part of two phases (Building 114 and Building 114X).
- Process operations were conducted on all floor levels within the building.
- A heavy metal catalyst room was formerly located on the first floor of Building 114.
- A laboratory area was located on the first floor of Building 114.
- Oil heaters for the building were formerly located on the first floor.
- Numerous chemicals and materials were used during operations in Building 114.

Building 115

- Building 115 used for shipping and receiving of materials/products and for chemical storage.
- Building 115 formerly contained a carbon bed for vapor treatment/stripping of methylene chloride.

Appendix B

Hazard Inventory of Buildings 107, 108, 109, 110, 111, 112, 113, 114, & 115

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

CONFIDENTIAL

General Electric Advanced Material - Pittsfield:

HAZARD INVENTORY OF BUILDINGS 107, 108, 109, 110, 111, 112, 113, 114 & 115

Chemcept, Inc.

Prepared By: Chemcept Inc.

Prepared For: Blasland, Bouck and Lee, Inc.
Chuck Guest

Date: 12/13/04

Content overview:

Starting December 6, 2004, Chemcept Field Technicians performed a comprehensive chemical sweep and hazard inventory of the GE Advanced Material Buildings: 107, 108, 109, 110, 111, 112, 113, 114 and 115. This inventory included the perimeters, rooftops and tank containment yards. Chemcept started the chemical sweeps on Monday December 6th, 2004.

This report covers the following items:

I. Process implemented to perform the chemical sweep.

II. Hazards Identified.

III. Summary of Hazardous Assessment.

IV. Appendix A- Spreadsheet containing quantities and locations of potential hazards; with notes if necessary.

V. Appendix B- Map of each building with its corresponding numbered area or room.

I. Process:

- Chemcept Field Technicians searched each accessible space in Buildings 107-115. Floor tiles and ceiling panels were removed whenever necessary. Steel floor plates were moved and replaced for investigative purposes. Catwalks and crawlspaces were accessed, unless deemed unsafe. Hazards found in these areas were included in the inventory.

- Chemcept Field Technicians used the current identification system utilized by another Advanced Material vendor. This system identifies the building number, followed by the floor level and then the room location.

- General Notes:

1. Paint peeling in various areas of the buildings, which may contain lead or asbestos.

2. The wooden floors are contaminated with various greases, oils, solvents and chemicals used during the production of materials at the plant.

3. Contamination of floors, walls and ductwork is visually present in production areas. Known contaminants are listed in the report.

4. Nitrogen, oxygen, compressed air, coolant system and oil lines run throughout the buildings. The pipes were followed to the ends to confirm that they are turned off and/or disconnected from their sources. Isolated and/or unknown lines are identified in the report. Oil lines that are disconnected may still contain residual material. Gas lines may contain oils from gauges or unknown sources.

5. Emergency systems, water and electricity were still on in all of the buildings, as of December 10, 2004. Chemcept technicians did not disturb any suspected operational system gauges or electrical control systems (i.e.: sprinkler systems, pressure gauges, switches, thermostats). However, their locations in the buildings were noted in the report, where applicable.

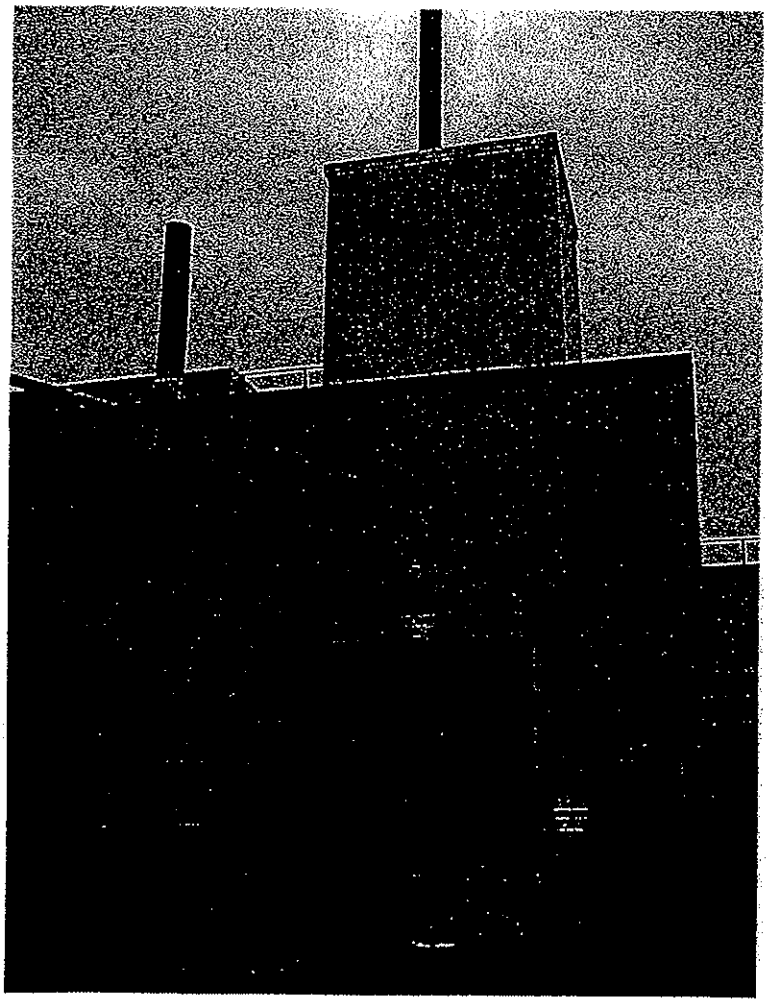
6. The following items throughout the buildings may contain asbestos: Paint, floor tiles, insulation, electrical wire wrappings, patching compounds, caulk, transite boards and other wall coverings. Great care was taken not to disturb any known or suspected items.

II. Hazards identified:

Aerosol spray cans of various chemicals, deodorants, sanitizers and lubricants;
Bio hazardous materials resulting from rodents, molds, or decay;
CFC's contained in equipment (air conditioners, refrigerators, etc.);
Cutting oils and lubricants;
Cylinders;
Emergency lights with lead acid or NiCad batteries;
Facility use chemicals (Paint, Degreasers, Cleaners, etc.);
Fluorescent bulbs containing Mercury;
In-line oil and air filters;
Lead metal wrapped wiring;
Light fixtures with ballast containing PCB's;
Mercury contained in switches, thermometers and thermostats;
Mercury vapor lights;
Motors, generators and pumps containing oil;
Oils contained in heavy machinery: light, hydraulic, machining, heavy gear oil;
PCB contaminated machinery, work areas;
Radioactive smoke detectors;
Radioactive source exit signs;
Roof cement, floor tars;
Sprinkler heads containing lead;
Transformers, dry types;
Transformers, wet types;
Visually contaminated air filters;
Water fountain / refrigeration unit compressors containing oil;
Wiring, paint, insulation, floor tiles possibly containing asbestos;

III. Hazard Assessment, Buildings 107 to 115:

A. Building 107



Building 107

Building 107: Formerly contained a storage tank supporting operations in building 109. Also contained a carbon bed used at one time for vapor stripping.

1. **Building 107, first floor**

General Notes for Building 107:

Birds and rodents have accessed the building and their residence is evident in the excessive amount of droppings. The location of this damage has been identified in this report. The ductwork and pipes in this building are isolated, cut, disconnected or broken and therefore may contain unknown contaminants. Attempts at identification of these lines were ineffective. The locations of identifiable pipes are noted in the report.

107-01:

Two fan motors on hot water operated heaters, may contain oil.
One dry chemical fire extinguisher near entrance.
Three electrical thermostats on wall.
Drainage pits in floor are visibly contaminated with solids. They may be contaminated with chemicals used during the production processes.
Bird droppings on floor, possible biohazard.
Explosion proof switches on east wall may contain Mercury.
Exhaust ductwork on east wall and through rooftop are visibly contaminated with unknown solid materials.
All pipes leading from Building 107 to 109 have been cut or disconnected, except for one of unknown identity.

107-Loft:

One can of welders flux.
One unlabeled pint-sized container of unknown liquid.

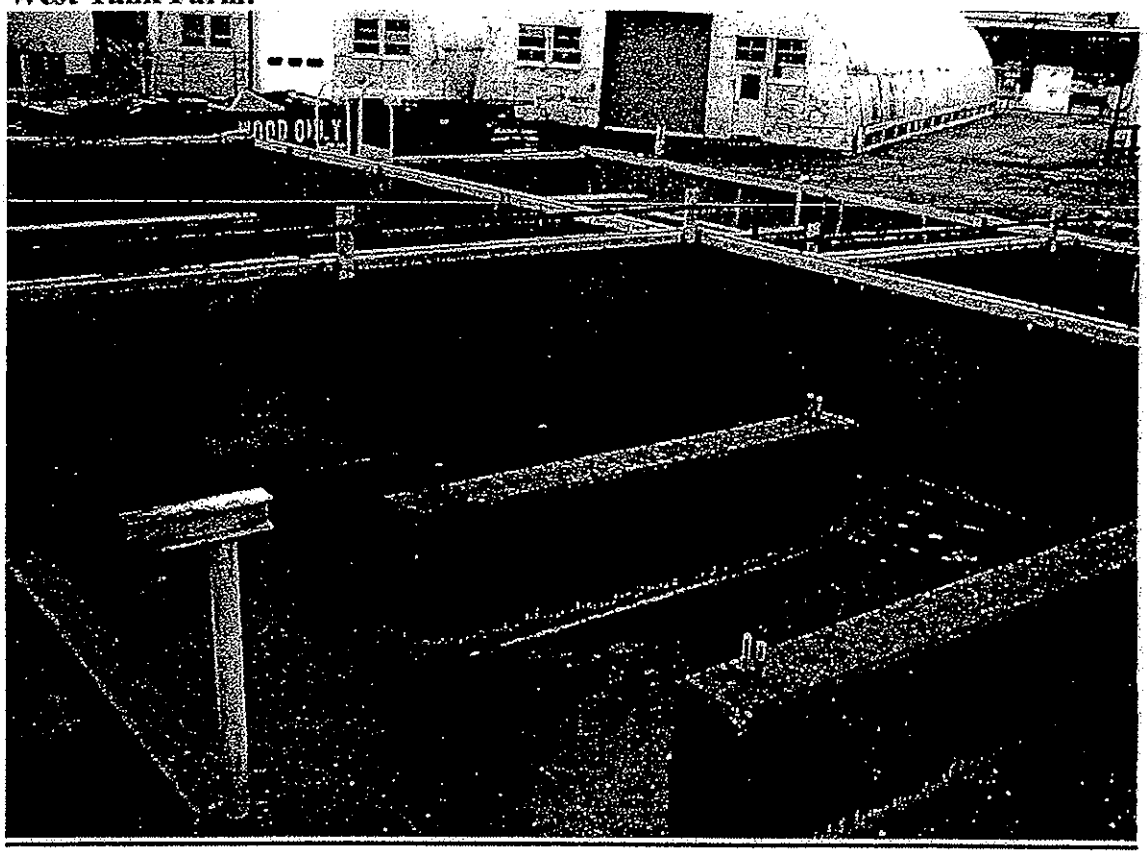
107-Perimeter

Manhole on east side of building contains unknown liquid (two feet deep) with solids on bottom of pit.

107-Roof:

One exhaust fan motor may contain oil.
Large exhaust ductwork.

West Tank Farm:



West Tank Farm

West Tank Farm: Tank Farm next to 114:

30'x 30x 4'high. Concrete walls. Empty. Visibly contaminated with dirt, gravel.

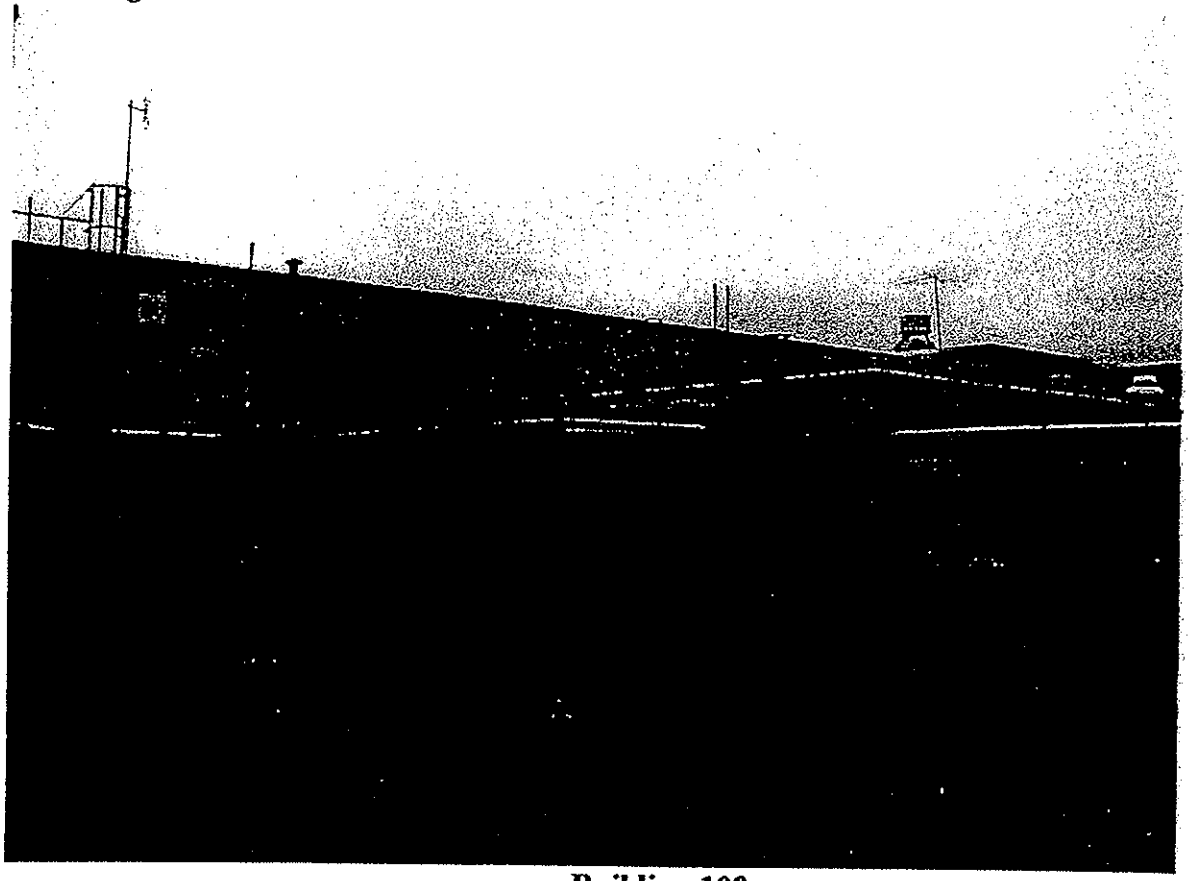
Pipes on outside wall disconnected and valves in closed position.

6" diameter stainless steel corrugated piping connected to building 114.

Formerly contained storage tanks holding chemicals including:

Water, Methanol/Toluene, Water/Toluene, DI water, Methanol/Toluene/Water, Toluene, Methanol/Water and Caustic.

Building 108



Building 108

Building 108: Formerly used in production of Lexgaurd, GE's bulletproof glass.

Building 108, First Level

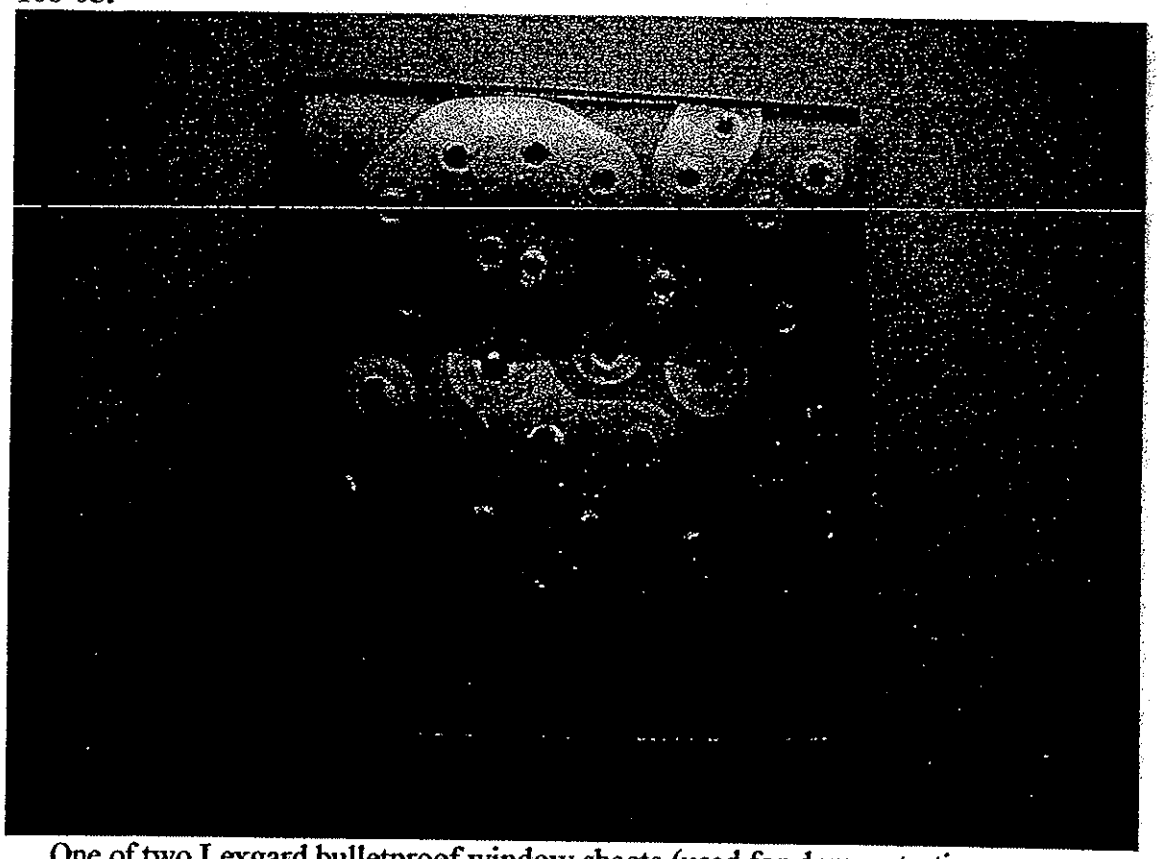
General Notes for Building 108: The south side of the building is currently being used for the storage of materials that GAM may keep. The end of the assessment had not made a determination of these "still in use" items. This building was used for the production, handling and shipping of the GE Advanced Materials "Lexgard" bulletproof glass.

108-02:
Three thermostats containing Mercury vials.

108-03:
One thermostat containing Mercury.

108-04:
Hallway.

108-05:



One of two Lexgard bulletproof window sheets (used for demonstration purposes) contains fragments of various lead and copper bullets.
One computer station set up in office (CPU, monitor, printer).

108-06:

Two thermostats containing three Mercury vials each.

108-07:

One thermostat containing Mercury.
Two alcohol thermometers.
Lexgard bulletproof window used for demonstration purposes contains fragments of 20 various lead bullets.

108-08:

One thermostat containing Mercury.

108-09:

Two thermostats containing Mercury.

108-10:

Hallway.

108-11:

One thermostat containing Mercury.
One box Boraxo soap.
One inline water filter on water line.

108-12:

One thermostat containing Mercury.
One inline water filter on water line.

108-13 Hallway:

One dry chemical fire extinguisher.
One luminescent exit sign may contain Tritium, a radioactive source.

108-14:

One electric operated thermostat.
Three inline airline traps, contain oil and/or water.
Three electrostatic air filtration units. Motor may contain oil, filters visibly contaminated with dirt and debris.
Four Exide Electronics "Power Distribution Modules"-may contain oil.
Pallets containing old phones, electronics and other potential Universal Waste materials.

108-15:

One steam operated heater, fan motor may contain oil.
JLG Lift, powered by two separate propane tanks. Wheel hubs and boom chain contain oil and grease. Machine is operated by hydraulic oil and contains reservoirs and pressurized arms. Motor contains oil and coolant.
Six GE "Weathertron" Air Conditioner/Heater on pallets on the floor. All units are disconnected, but may still contain CFC's. Motor and compressor contains oil. Filters are visibly contaminated.
One 10 ft. diameter autoclave for Lexgard process, insulation may contain asbestos. One 100 HP motor contains oil. One hydraulic pump and reservoir contains oil, operates door. Two hydraulic pumps next to wall – each contains a reservoir and oil in the lines. Both are fed from a 60-gallon reservoir, which contains oil.
Two coffee cans oil and debris.
One 5-gallon pail hydraulic oil.
Two 1-L bottles oil.
One oily filter on floor.
One-pallet rubber tires.
Two vending machines on pallets. Each contains a compressor, one fluorescent light fixture and ballast.
Facility use chemicals on shelf: One can of 3-in-1 oil; one tube grease; one can bug remover; can carpet stain remover; one can carpet deodorizer; one can foam protectant; one aerosol can of Pledge room deodorizer.
Two facility use radios, each contains a Nickel Cadmium battery.

Two pallets each containing an outdoor A/C unit, not drained of their CFC's. Each has a motor and compressor that contains oil.
One loose compressor on a pallet contains oil.
One pallet of potential Universal Waste electronic items and printers.
Two inline water line traps.
One laundry hamper, contains oily rags.
One 50 lb. Bag winter ice remover next to door.
One overhead door opener motor, may contain oil.
One "Air door" heater unit above overhead door, contains four fan motors, which may contain oil.
One dry chemical fire extinguisher.
Two 500 lb. Capacity load movers. Chains, wheels and bearings contain grease and oils.
Six inline airline traps, contain oil and/or water.
Four large dry-type transformers on pallets.
One pallet contains nine HID Lights.
One Delta Saw "Package Maker". Unit and ductwork contains sawdust from wood, plastic and cardboard. Motors may contain oil. Ductwork caulk may contain asbestos.

108-16:

Hallway.

108-17:

One 8,000 BTU A/C unit, still contains CFC's. Compressor contains oil.
One vacuum cleaner, filter and hose visibly contaminated with unknown debris.
One electric operated thermostat.

108-17 Attic:

Two fan motors on hot water operated heaters, may contain oil.
Exhaust fan motor, may contain oil. Fan and vent coated with unknown dirt and debris.
Large hot water expansion tank stored in this area.
One inline airline trap which contains oil and/or water.
Sign on pipe insulation reads – "Contains Asbestos".

108-18:

One electric operated thermostat.
One electric Air cleaner, filter visibly contaminated with dirt and debris.

108-19:

One electric operated thermostat.

108-20:

One fan motor on ceiling heater may contain oil.

One electric operated thermostat.
Lab table may contain lead or asbestos, estimated dimensions of 22'L x 30"D x 1" thick.
Liquid soap in hand soap dispenser.
Exhaust ductwork visibly contaminated with dirt and debris.

108-21:

One 75 PSI Autoclave, used for Lexgard contains: One Mercury gauge; One 50 HP motor and one 5 HP motor that may contain oil. Insulation may contain asbestos.
One refrigerator not drained of CFC's. Compressor contains oil.
Three in line airline traps, contains oil and/or water.
One electric operated thermostat.
One 1-lb. Foaming cleanser contains bleach.
One tube of tri-polymer sealant.
Vacuum pump, reservoir and motor contain oil.
One fan motor on ceiling heater may contain oil.

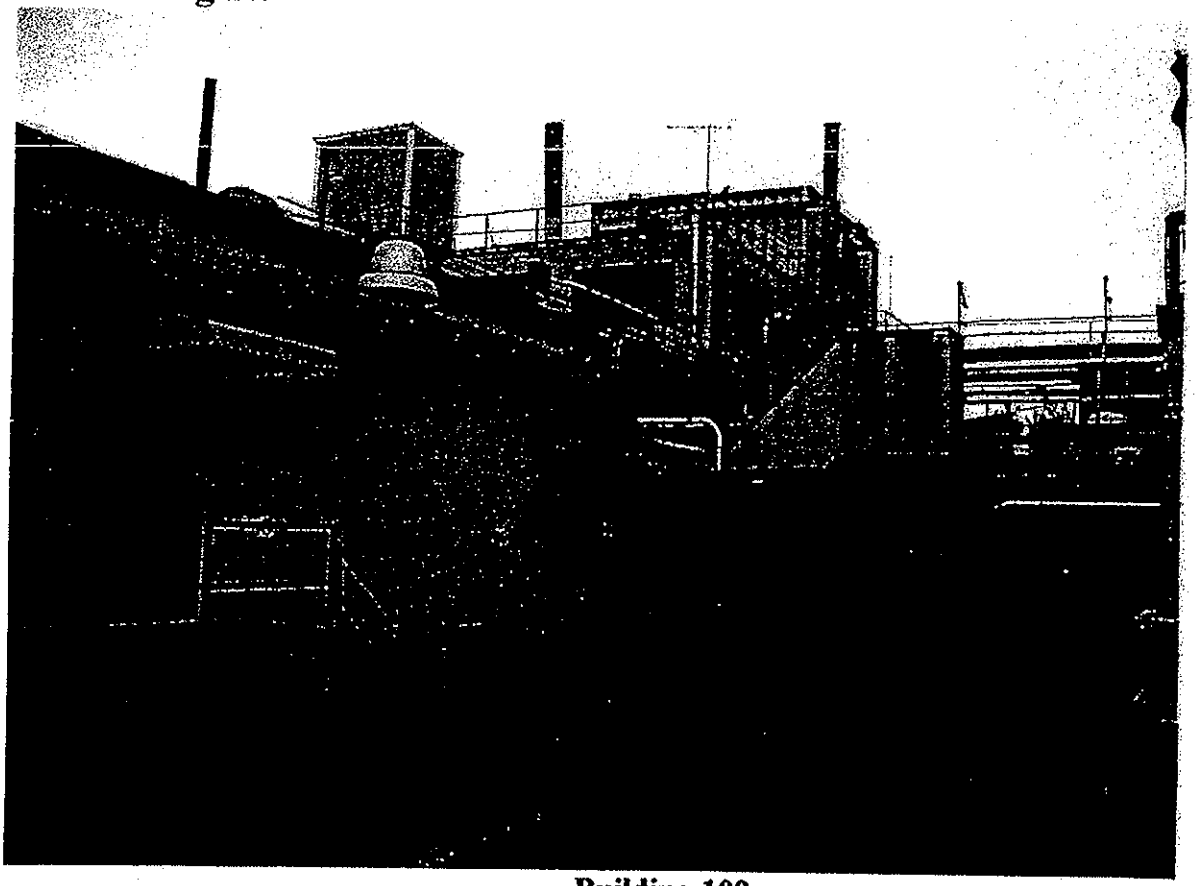
108 Perimeter:

Empty concrete burm 6x6x10. Burm is visibly contaminated with dirt, stones old concrete.
Large possible hot water expansion tank, empty.
Large dust collection system from saw inside building, room 108-15.
Visibly contaminated with sawdust, plastic chips from saw and dust from cardboard cutting.
Air compressor with 15 HP motor. Compressor unit contains oil and two filters.

108 Roof:

One large A/C unit with motors and containing CFC's.
Small A/C unit with motors and containing CFC's.
Exhaust vent with fan and motor.

C. Building 109



Building 109

Building 109: Northern portion of building was formerly used in plastics processing and manufacturing. Operations in building 109 were supported by building 107 and the West tank farm. Chemicals supplied to 109 by the tank farm were Methanol and caustics. Other chemicals used in this building were: Toluene, Methylcarbazate, Phenol, Bromine, D-10 (Polysiloxane) and sodium formate.

109-1-01:

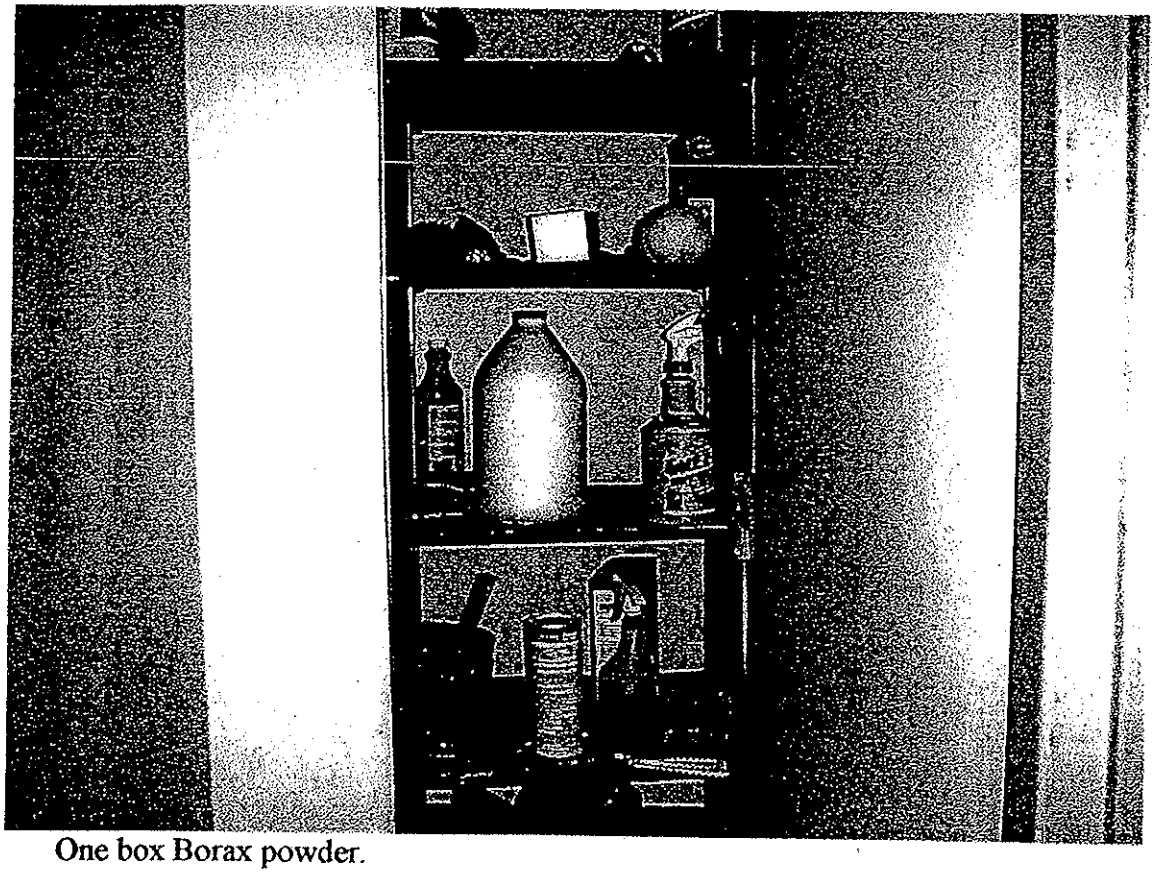
One dry-chemical fire extinguisher in hallway.
One luminescent exit sign may contain Tritium, a radioactive source.
Ashtray by door filled with liquid, suspect water from roof leak.

109-1-01 Loft:

Note: Chemcept technicians could not access all areas of this location due to safety hazards. Therefore, not all hazards have been identified in this area.

One live wet-type transformer contains Trichlorotriflouroethane. Switches and gauges may contain Mercury.
Live substation next to transformer contains oil.
One Americium-241 (radioactive source) smoke detector on ceiling.
Ductwork caulk may contain asbestos.
One 5-gal. Paint on floor.
One 1-gal. GE "Glyptal" Paint on floor.
One 10-gal. Container of unknown liquid on floor.
One 5-gal. Container of unknown liquid.
One 5-gal. Container of unknown solids.
One 1-qt. Jar of oil.
One 10-gal. Container of molecular sieves.
One Nitrogen gas meter, valves open and lines cut.
One Climate Changer unit, contains CFC's. Motor and compressor contain oil.
One A/C Unit on floor, contains CFC's. Motor and compressor contains oil. Circulation motors may contain oil.
Ductwork from lab hoods and ventilation are located in this area. The ductwork is visibly contaminated with materials used in the hoods. Ten motors are located on the ductwork, which may contain oil.
Large animal droppings present, possible biohazard.
Three 8 ft. fluorescent bulb fixtures present (inaccessible from room below). Each contains bulbs and ballasts.
Two vacuum pumps, motor and reservoirs contain oil.
Two inline airline traps, contain oil and/or water.
Low-pressure steam, nitrogen, air and water lines that service the labs below are accessible from this area.

109-1-03 Closet:



One box Borax powder.
One can Stainless steel cleaner.
One can furniture polish.
One can Lysol deodorizer/sanitizer.
One can Wax remover.
One can Ajax.
One 1-gal. Deodorizing cleaner.
One 1-qt. Neutralizer.
Two 1-qt. Spray buff.
One 5-gal. Cleaner.
One 5-gal degreaser.
One-box toilet deodorizer tablets.
One box Ivory soap for bathrooms.

109-1-04:

Insulation on radiator pipes may be asbestos.
One A/C unit in window, not drained of its CFC's. Motor and compressor contain oil.
Unknown white powder in coffee can.
One thermostat containing Mercury vials.

109-1-05:

Areas 109-1-05 through 109-1-07 were being used for storage of "Still-in-use" items. These items include (as of 12/6/04): One pallet metal office parts; one pallet of boxes containing phones; One pallet of potential Universal Waste electronics; two pallets of wire on spools; One pallet of various new electrical parts; two new refrigerator/freezer combination units, motors and compressors contain oil.
One thermostat containing Mercury vials.
One electrostatic air filtration units. Motor may contain oil, filters visibly contaminated with dirt and debris.
One box loose U-shaped bulbs.
One box loose floodlights.
One box loose fluorescent lights – small replacements for incandescent lighting.
Two inline airline traps, contain oil and/or water.

109-1-06:

One electric operated thermostat.
Exhaust ductwork from ceiling contains visibly contaminated filter.
Twelve pallets of new boxes different sized air filters.

109-1-07:

One electric operated thermostat.
Two steam operated heaters, fan motors may contain oil.
One overhead door opener motor, may contain oil.
One "Air door" heater unit above overhead door, contains four fan motors, which may contain oil.
One computer CPU, monitor and printer system for Autoclave in area 108-1-15, potential Universal Waste items.
Airlines run throughout the area. Lines may contain oil and water.
One dry chemical fire extinguisher.

109-1-07 HVAC Loft:

One Mercury thermometer on Hot Water line.
Asbestos contained in transite walls of room.
One McQuay "Seasonmaster" with re-lubricate-able ball bearings. Unit still contains CFC's. Motor and compressor contain oil. Filters visibly contaminated with dirt and debris.
One Honeycomb "Dessicant dehumidifier", disconnected. Contains two motors with oil and grease fittings.

109-1-08:

One dry chemical fire extinguisher.
Two live GE "Motor Control Centers" for the 109-1-05 through 109-1-07 production areas, may contain oil.
One computer and monitor, potential Universal Waste items.
One electric space heater and electric thermostat.
One A/C unit on wall, motor and compressor contain oil.

109-1-09 Compressor room:

Cabinet contains 18-1 gal. Jugs of cleaner and floor stripper.
One 5-gal. Jug Pump oil.
Four 5-gal. Jug Air compressor oil.
Two 100 HP motors on two separate air compressors contain oil and grease fittings. Each compressor contains a filter unit and coolant lines.
One of the compressors contains a "Zeks Air Drier" – 150 PSI capacity with an inline filter. Two fan motors on cooling system may contain oil.
Three coffee cans contain oil.
One aluminum pan contains oily rags and debris.
Two inline airline traps, contain oil and/or water.
Three loose motors in cabinet may contain oil.
Six 1-gal. Jugs Anti-foam emulsion in cabinet.
Floor and area visibly contaminated with oil and oily absorbent.
Two electric thermostats, still in use.
One A/C on wall still contains CFC's. Motor and compressor contain oil.
One hot water ceiling heater, fan motor contains oil.

109-1-10:

One pump motor on boiler may contain oil.
One motor on clothes washing machine may contain oil.
One motor on clothes dryer may contain oil.
One can of Ajax cleaner.
One box Tide clothes detergent.
Empty bottles of bleach cleaners on floor.
One 5-gal pail all purpose cleaner.
One 5-gal pail of degreaser.

109-1-12:

One ventilation fan motor may contain oil.

109-1-13:

Two electric heaters, fan motors may contain oil.

109-1-14:

One electric heater, fan motor may contain oil.
One exhaust fan boost motor may contain oil.
Walk-in lab hood interior is of poly-type construction. Gross contamination of the floor, walls, ceiling and ductwork is visible. Floor of hood contains oily liquid, speedi-dry contaminated with the same. Gas and water lines entering the hood are Vacuum, nitrogen, air, DI water and low-pressure steam.
One 1-gal Reactor inside of hood (140 psi/600 F capacity) visibly contaminated with unknown materials. All valves are closed and the system is isolated. Reactor may still contain materials.
One 3-gal Reactor outside of hood (195 psi/400 F capacity) visibly contaminated with unknown materials. Outside of reactor visibly corroded from use. All valves are closed and the system is isolated. Reactor may still contain hazardous materials.
Three "Variac" type variable electostats, switches may contain Mercury.
Glass drainpipe across back of hood, no trap, enters floor on right side of hood. Drainpipe is visibly contaminated with materials.
One 5.8 KW "Regloplas AG" Machine. Unit is powered by an electric motor and one compressor, which contain oil. Lines leading into machine still show pressure on the gauge. Machine has oil fill and drain plugs.
One coffee can contains oil.
One 5-gal bucket of speedi-dry.
One 1-gal can of unknown liquid.

109-1-15:

One A/C unit (shared with 109-1-18), still contains CFC's. Unit motor and compressor contain oil.
Four lab hoods, interiors are of poly-type construction. Gross contamination of the walls, ceiling and ductwork is visible. Lines entering the hood are Vacuum, air, water, nitrogen and low-pressure steam. Hood sink traps may contain hazardous materials.
Each hood contains one alcohol manometer.
One computer monitor on floor, potential Universal Waste.

109-1-16:

Two A/C units, still contain CFC's. Motors and compressors contain oil.

109-1-17:

One thermostat containing Mercury.
Eight lead-acid batteries in security system panels.
Five lead acid batteries in the sprinkler system panels.
One dry chemical fire extinguisher.
Live water line enters area on the north side of the room.

109-1-18:

One A/C unit still contains CFC's. Motor and compressor contains oil.
One exhaust fan, motor may contain oil.

109-1-19:

One A/C unit still contains CFC's. Motor and compressor contains oil.
One refrigerator still contains CFC's. Motor and compressor contains oil.
One Oriad Air circulation pump and air dryer contains: Two 7 ft. tall x 1 ft. diameter stacks attached o the airline. Gauge on one stack shows pressure in the tank. One hydraulic piston pump, contains oil in the arm and small reservoir.
Two inline airline traps, contain oil and/or water. Filter on one airline contains oil and water.

109-1-20:

One thermostat contains mercury.
Two boxes loose 4 ft. bulbs.
One box loose 8 ft. bulbs.
One box loose 2 ft. bulbs.
3 boxes loose u-shaped bulbs.
Broken bulbs and glass on floor.
One pedestal grinder, motor may contain oil. Unknown metal grindings on the floor and grinder stand.
One "Do-All" machine, motor and oil reservoir contain oil. Machine has a dry-type transformer and multiple grease fittings.
One A/C unit on floor still contains CFC's. Motor and compressor contain oil.
One hydraulic press with hydraulic arm, both contain oil.
Five hydraulic pumps, motors and reservoirs contain oil.
One microwave oven.
Facility chemicals found in area include: One aerosol can Spraysolv penetrating oil; one-quart Prestone super flush; one can unknown oily liquid; one-pint cutting compound; one emergency light battery, new and in the box.

109-1-21:

One electric operated thermostat.
Asbestos contained in transite wallboard.
One portable hydraulic lift truck has hydraulic oil leaking on the floor.

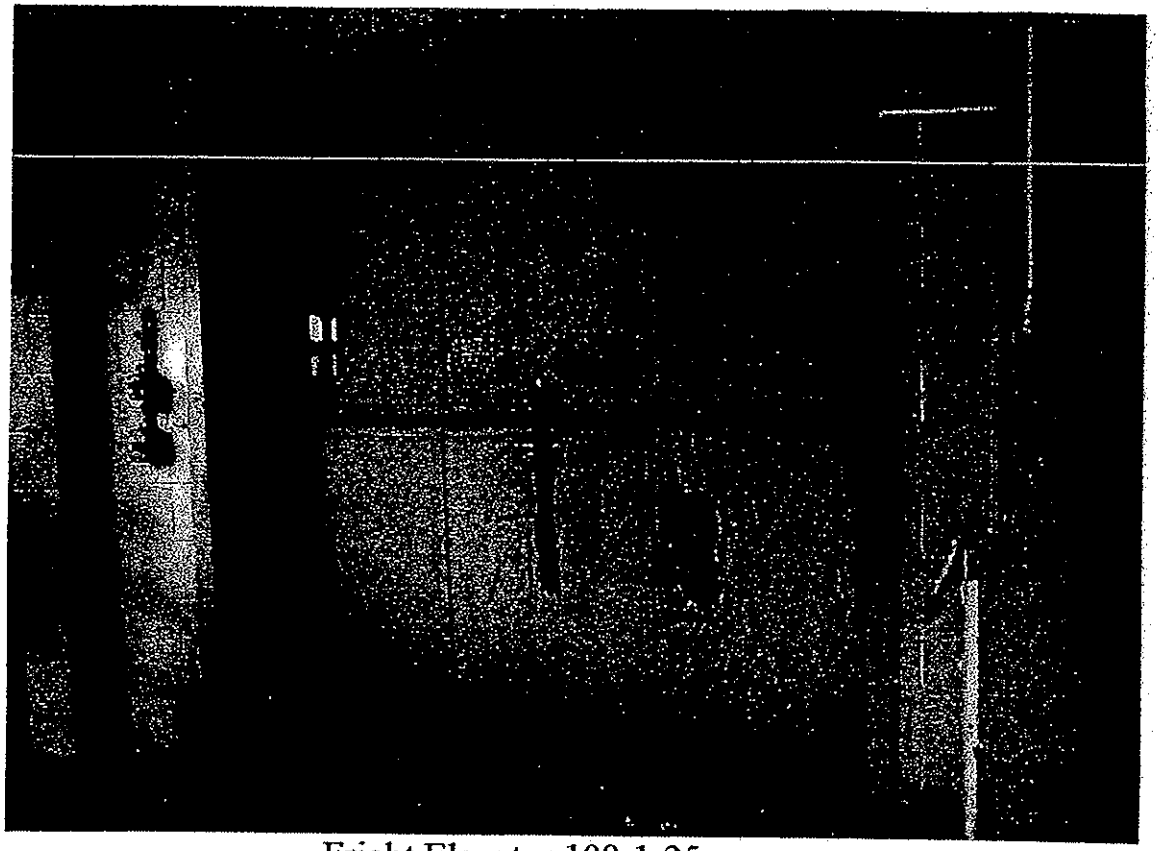
109-1-22:

One thermostat contains mercury.
One mercury thermometer.
One A/C unit still contains CFC's. Motor and compressor contains oil.
One lab hood, interiors are of poly-type construction. Gross contamination of the walls, ceiling and ductwork is visible. Lines entering the hood are Vacuum, air, and water. Hood sink traps may contain hazardous materials. Hood contains one alcohol manometer.
"MAG" and "LP Gas" lines run along east wall, not disconnected, considered live.
Flammable waste container on floor contains oily contaminated rags.
One dry chemical fire extinguisher.
Two bags of winter de-icer.
One luminescent exit sign, considered radioactive.
One hydraulic press contains oil in the arm, lines and reservoir.
One diaphragm pump, motor and reservoir contain oil.
One pump, motor and reservoir contain oil.
One lathe machine, two motors may contain oil. Oily metal chips and oily liquid present in the catch basin of the machine.
Six individual foil pans contain oily liquid.
One sink trap, may contain hazardous materials.
One can spray grease remover.
Small electric motor, may contain oil.

109-1-23:

Airline runs along the east and south walls, disconnected.
"MAG" and "LP Gas" lines run along east wall, not disconnected, considered live.
Three inline airline traps, contain oil and/or water.
One box of Borax soap.
One 1-gal Liquid hand soap cleaner.
One inline airline trap contains oil and/or water and a filter.
One luminescent exit sign, considered radioactive.
One Oriad Air circulation pump and air dryer contains Two 7 ft. tall x 1 ft. diameter stacks attached o the air line. Gauge on one stack shows pressure in the tank. One hydraulic piston pump contains oil in the arm and small reservoir.

109-1-25:



Fright Elevator 109-1-25
Unable to get in or below elevator.

109-1-24:

One overhead door opener motor contains oil.
Natural gas, nitrogen and an unidentified gas line run through the area.
Two dry chemical fire extinguishers.
Drainage pipe along the north and east wall drain into a sump pump system on the east side of this area. Pump motor and lines may contain oil. System drainage for unknown liquid – possibly a hazardous material.
System line labeled for Bromine quench drainage, potential hazard.
East side of this area contains a pit in the floor, 10 ft x 4 ft. x 4 ft. (LxWxD), filled with 2 inches of oily liquid and residue. Potentially contains production use chemical contamination.
Center of room contains a pit in the floor, 5 ft. x 5 ft. x 4 ft. (L x W x D), with unknown oil liquid and solids. Potentially contains production use chemical contamination.
Ductwork visibly contaminated.
Pipes leading from Building 107 cut on west side of this area.
One luminescent exit sign, considered radioactive.
Ceiling fan, motor may contain oil.

Ductwork 18-inch diameter x 50 ft long visibly contaminated with production chemicals.
One Electric operated thermostat.
Two loose HID bulbs on floor of this area.
Floor drains throughout area, 12 inch x 12 inch (W x D), visibly contaminated with dirt and debris.
Two water line traps on Northeast wall.
One water line trap on Northwest wall.
One hot water ceiling heater, fan motor may contain oil.
One can of aerosol spray lube.

109-1-25:

Unable to access inside or underneath elevator due to power shut off and lock out tag out by General Electric Company for safety precautions.
Elevator is hydraulic operated and should have large hydraulic reservoir underneath elevator car.

109-1-26:

Two inline airline traps contain oil and/or water.
12 ft. x 12 ft. x 5 ft. (L x W x D) pit contaminated with dirt and debris.
Airlines that run into the area have been disconnected or cut.
Fill pipe from the ceiling has been disconnected, visibly contaminated.
Dead mouse on floor of pit, possible biohazard.
One hot water heater, fan motor may contain oil.

109-1-27 Elevator Service room:

Elevator shaft is height of building and drops into ground the same length.
This shaft is filled with an unknown amount of hydraulic oil.
Hydraulic oil reservoir tank holds approximately 75 gallons of oil. Pump motor and lines contain oil.
Two gallons of oil contained in metal pan.
One coffee can filled with oil.
Two aerosol cans of spray lube on top of reservoir tank.
One electric operated thermostat.

Building 109, Second Level

109-2-01:

Five inline airline traps, contain oil and/or water.
One electric operated thermostat.
Nitrogen gas line feeds the entire perimeter of the room.
Two gauges, possibly Mercury, in-line.
Four PVC exhaust vents for duct system visibly contaminated with debris.
One luminescent exit sign may contain Tritium, a radioactive source.

109-2-02:

Six Inline airline traps contain oil and/or water.
One 1-gal Unknown liquid in the northwest corner of the room.
Bird droppings in northwest corner of room, possible biohazard.
Two nitrogen lines, one meter on west wall of this area.

109-2-03:

Two luminescent fire extinguisher signs may contain a radioactive source.

109-2-04:

Two electric operated thermostats.
One inline airline trap contains oil and/or water.
Live electrical control panel, may contain oil or asbestos insulators.

109-2-05:

One electric operated thermostat.

109-2-06:

One electric operated thermostat.
Live electrical control panel, may contain oil or asbestos insulators.
Peeling paint may contain asbestos or lead.

Building 109, Third Level

109-3-01:

One gauge, possibly mercury, on line.
Hot water heater fan, motor may contain oil.
One 1-Ton capacity crane, motor and gearboxes contain oil.
One empty can aerosol spray foam insulation.
Peeling paint in room may contain asbestos or lead.
Ventilation pie visibly contaminated with production use chemicals, potential hazards.
One inline airline trap contains oil and/or water.

109-3-02:

Two inline airline traps, contain oil and/or water.

Building 109, Fourth Level

109 Penthouse:

Exhaust ventilation ductwork disconnected. Remainder is visibly contaminated with production use chemicals, potential hazards.
One ½-Ton capacity crane, motor and gearboxes contain oil.
Two inline airline traps, contain oil and/or water.

Bird and/or rodent droppings on floor and vent of hopper, possible biohazard.
Water filter on water line.

109-Freight dock:

Live steam and condensate lines run across the dock. Nitrogen gas line runs throughout area. Not disconnected.

109-Perimeter:

Eight Mercury Vapor lights.
Sprinkler lines, cut and or capped.
Stainless steel pipe of unknown source with gage reading "0" pressure, capped.
Vacuum pumps numbered 1 and two visibly contaminated and dust in bags.
Pump on what could have been compactor area.
Exhaust vent from inside.
Manhole Three-foot diameter, 18" of water on bottom.
6'x 12' burm empty some water and dirt.
Disconnected duct system from exhausts vents.
Three-foot square wooden box empty with dirt on bottom.
Two four-inch diameter lines disconnected and cut.
Stainless Steel vent in large tank area between buildings 109 and 107.
Hazardous Waste storage shed 50' from building, now in use. PCB signage on shed. Explosion proof electrical fittings.

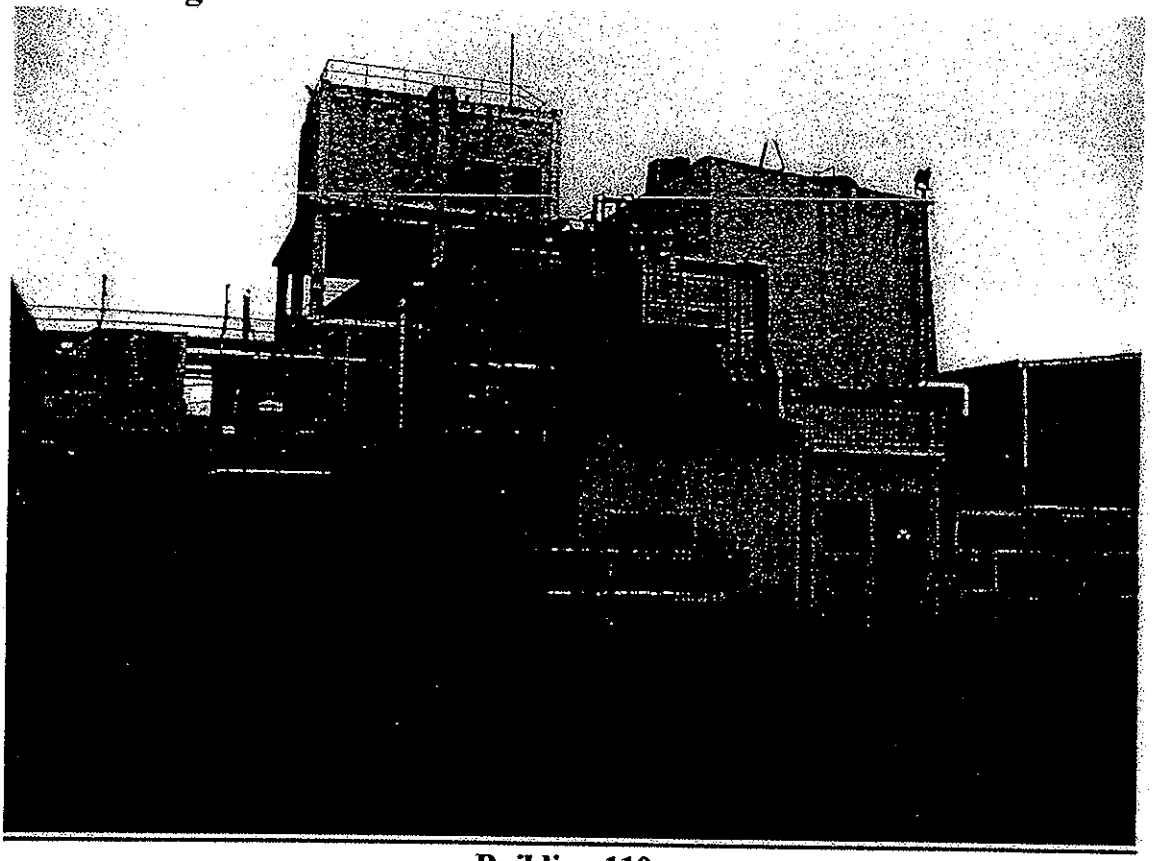
109 Roof:

Two Mercury Vapor lights.
Two exhaust venting systems with motors.
Gage on vent containing Mercury.
Cool water tank with motor.
Three air exhaust vents with motor.
A/C - Heater unit with motors and containing CFC's and visibly contaminated filters.

109 Penthouse room on roof:

One sprinkler head.
Two boxes air filter, unused.
Possible gas lines, unmarked.

C. Building 110



Building 110

Building 110: Formerly used in plastics processing and manufacturing. In the 1940's and 1950's building 110 was also used in the processing of Phenol. Other know chemicals that were used in the building history were: Caustic/water.

110-1-01 Hallway:

Two in-line traps that may contain oil residue. One trap has copper tubing which is draining liquid (possibly water) into a plastic 5-gallon pail, presently ¾ filled.
One CO2 fire extinguisher.
Two electric thermostats.
An expansion tank for hot water.

110-1-02:

Incandescent lighting in this room.

110-1-03:

Possible asbestos containing caulk used on ventilation ductwork.

110-1-05:

Disconnected Nitrogen gas meter.

40' of possibly contaminated ductwork.
A dump station 2'x 4'x 5' deep, no pumps at this station, contains sludge at bottom of tank,
Two in-line filters on airlines that may contain oil residue.
One 30-gallon fiber drum containing trash.

110-1-06:

One Mercury thermostat.
On electrical thermostat.
Exit sign possibly containing Tritium.

110-1-07:

This room is now being used for storage of office furniture, and office equipment. One microwave oven, four television sets are among stored items.
Dust collection system ductwork remains, is contaminated with dirt and dust.

110-1-08:

Dump station 2x 4x 5', no sump pumps at this station. Sludge and 2" of liquid on bottom of tank.
One Mercury thermostat.
Exit sign possibly containing Tritium.

110-1-09:

This room in now being used for equipment storage. Items included are:
Two CPU's, ten television sets, nine computer screens and one printer.
One electric thermostat.
Chiller unit.
A two-gallon pail containing oily speedy dry.

110-1-10:

Two signs that may contain Tritium.
Dust exhaust system contaminated with dust from previous operation.
One CO2 fire extinguisher.
Nitrogen lines in this room, disconnected.
On electric thermostat.

110-1-11:

Ice making machine, contains a compressor with oil and possible CFC's.
Exit sign that may contain Tritium.
One electric thermostat.

110-1-12:

One electric thermostat.

110-1-13:

Two chemical hoods containing lines for water, air and gas. Lines are not hooked up. Paneling inside hood marked containing asbestos.
Duct work over vents possibly contaminated.

110-1-14:

Large ductwork possibly contaminated.

110-1-15:

Two large in-line filters on water line appear contaminated.
One in-line trap may contain residue oil.
Lab countertop may contain asbestos.

110-1-17:

Now in use for storage of office furniture, desk and partitions.
In-line trap on hot water line, possibly containing oil residue.
Peeling paint on wall, lead tester taped to wall marked "Not containing Lead."

110-1-19:

A/C unit with CFC's not drained.

110-1-20:

Sprinkler system main valve room.

110-1-22:

Sprinkler system main valve room.

110-1-24:

Peeling paint on wall tested 9-23-98, does not contain Lead.

110-1-26:

Insulation on elbow of pipe marked containing Asbestos.
Plastic pint bottle marked "Betadine Scrub."
One Mercury thermostat.

110-1-27:

Metal cutting lathe contains oily chips in bed.
Oil in glass jar on lathe.
One CO2 fire extinguisher.
Two in-line air filters that may contain oil residue.
One-gallon jug windshield washer fluid. (Toxic)
One Mercury thermostat.

110-1-28:
Motor containing oil

110-29:
Two motors containing oil and one hydraulic door closer.

110-2-01:
One Mercury thermostat.
A/C unit with CFC's not drained.
Hoods and two drying ovens. Hoods contain lines for, air, gas, vacuum, cold water. All disconnected.
Sink traps may be contaminated.

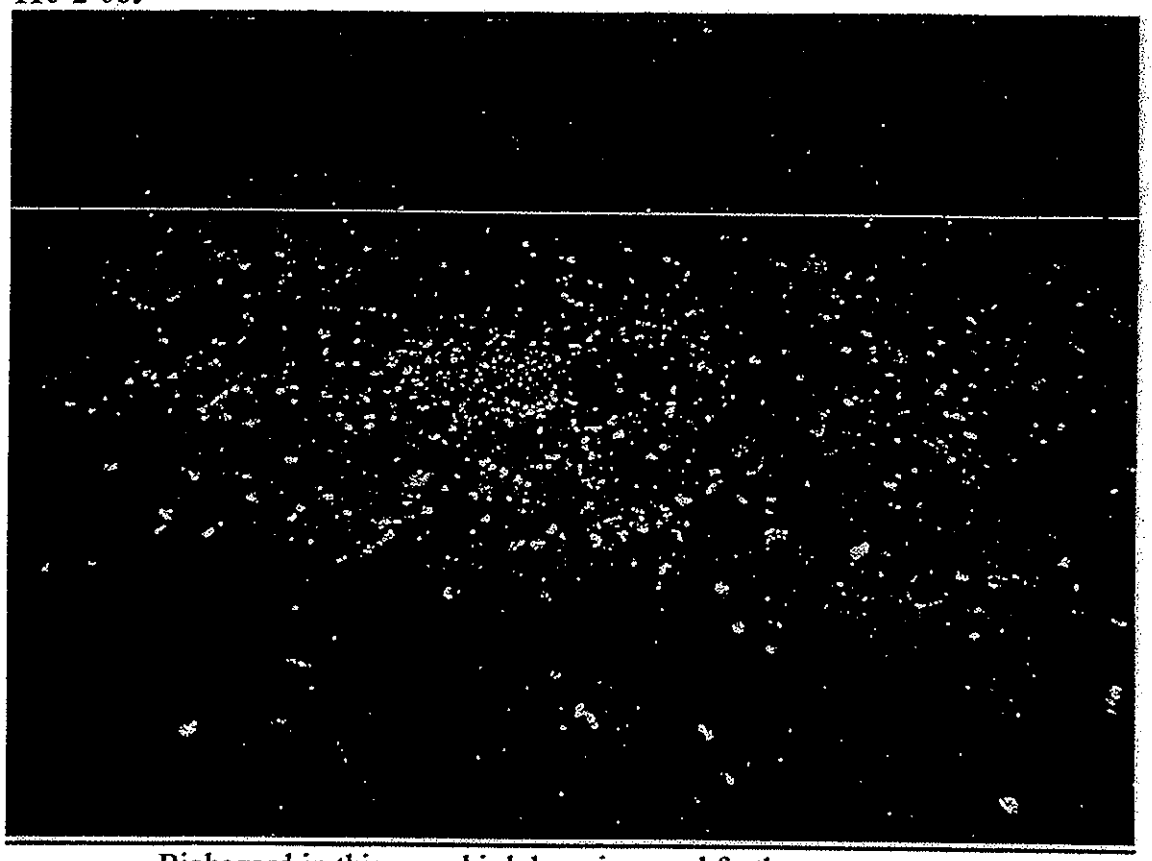
110-2-02:
One Mercury thermostat.

110-2-03:
Exit sign may contain Tritium.

110-2-04:
Two 20-gallon fiber drums labeled as, "Waste solid" unknown contaminants.
One one-gal oil pail, contains rags.

110-2-05:
Motor with pump. Pump has oil fill and drain caps.

110-2-06:



Biohazard in this area, bird droppings and feathers.
Two one-gal coolant containers.

110-2-07:

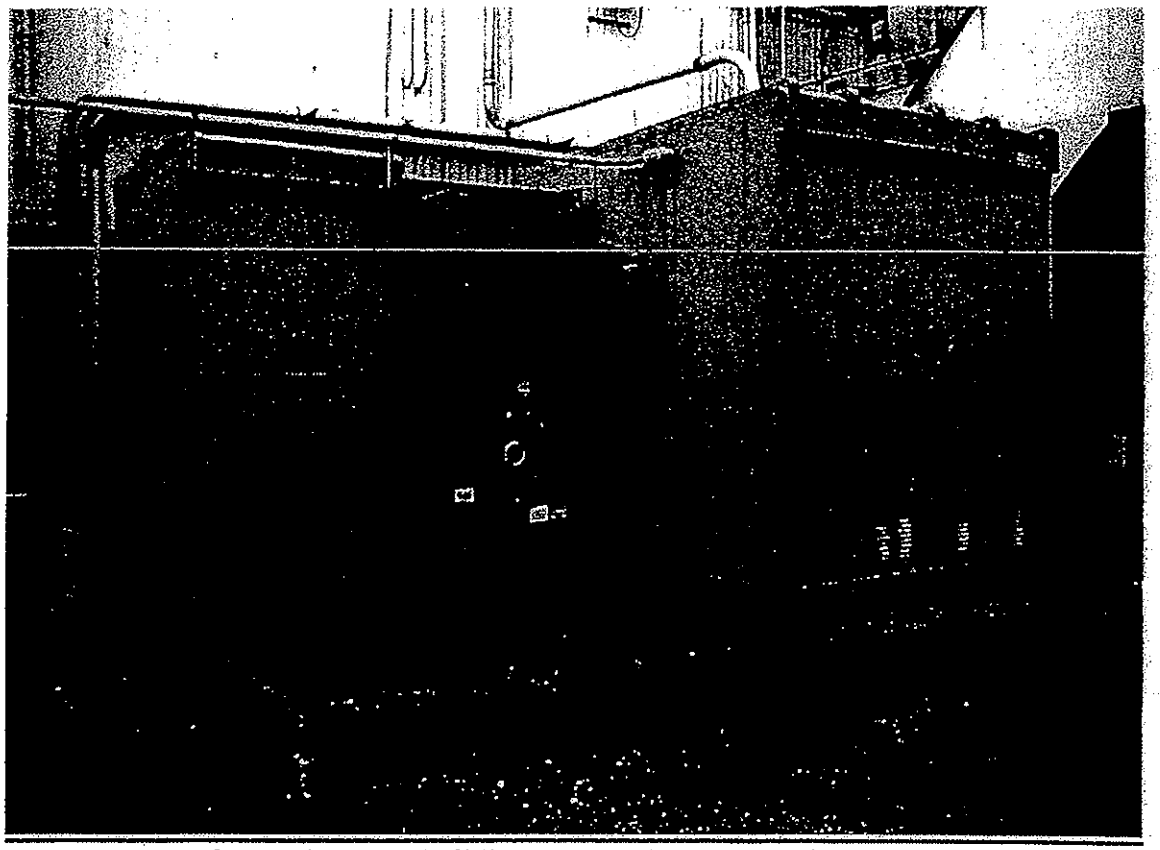
Biohazard in this area- bird droppings and feathers.
One ½-ton crane with motor that contains oil.
Contaminated exhaust ductwork.
Asbestos on door.

110-2-08:

Biohazard- bird carcass.
One electric thermostat.
One hot water heater.
One CO2 fire extinguisher.

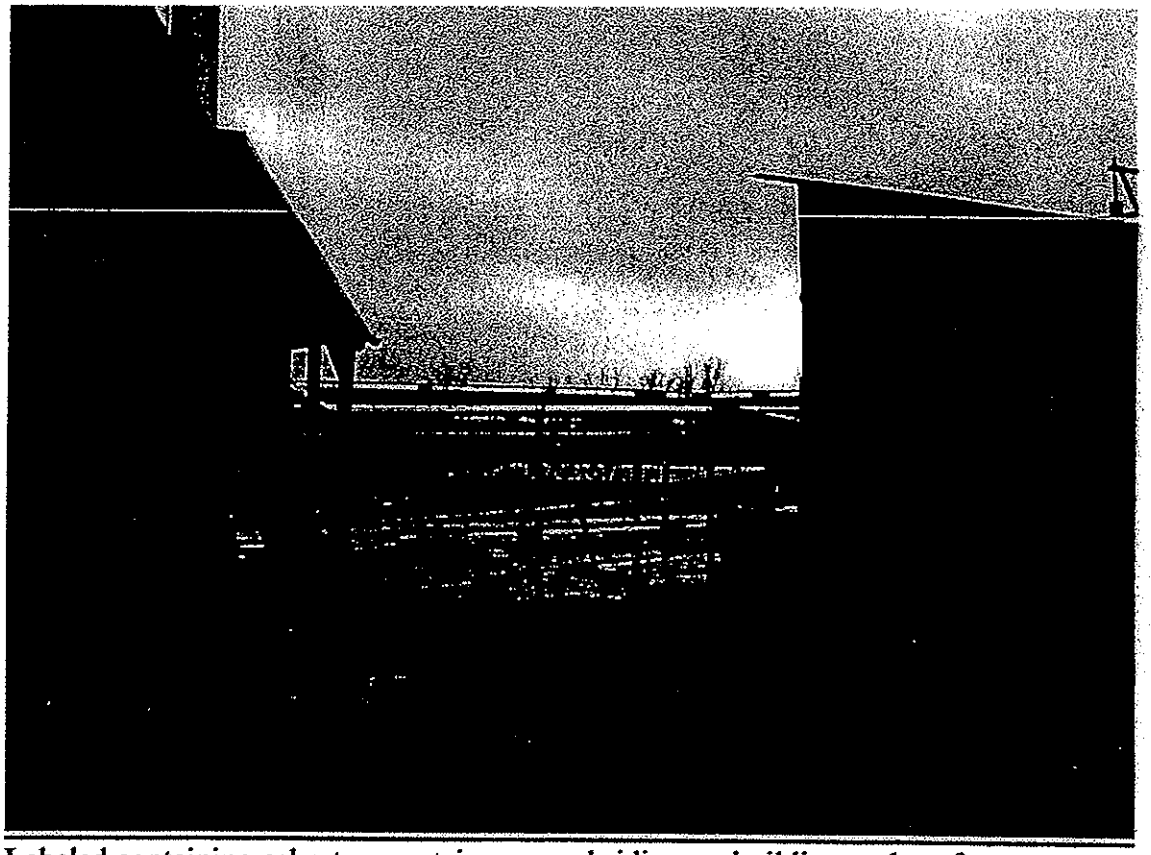
110-Perimeter:

Lines from cylinder area to building cut. No gas cylinders present.
Asbestos siding on all exterior stairways around building 110 labeled as such.
Pipe rack still in use holding 40 pipes 20' long, 50'of plastic hose.
Exhaust motor, not connected.
Exhaust motor to ductwork from building 113.
Diesel fuel tank area, empty, no tank.
Asbestos siding, labeled, on exterior stairways to roof areas.



Wet transformer between buildings 109 and 110. Transformer contains: Trichloro-Trifluoroethane Fluid (Non-Flammable) for cooling. Sign on transformer about fluid reads: "A substance which harms public health and environment by destroying ozone in the upper atmosphere."

110- Roof:

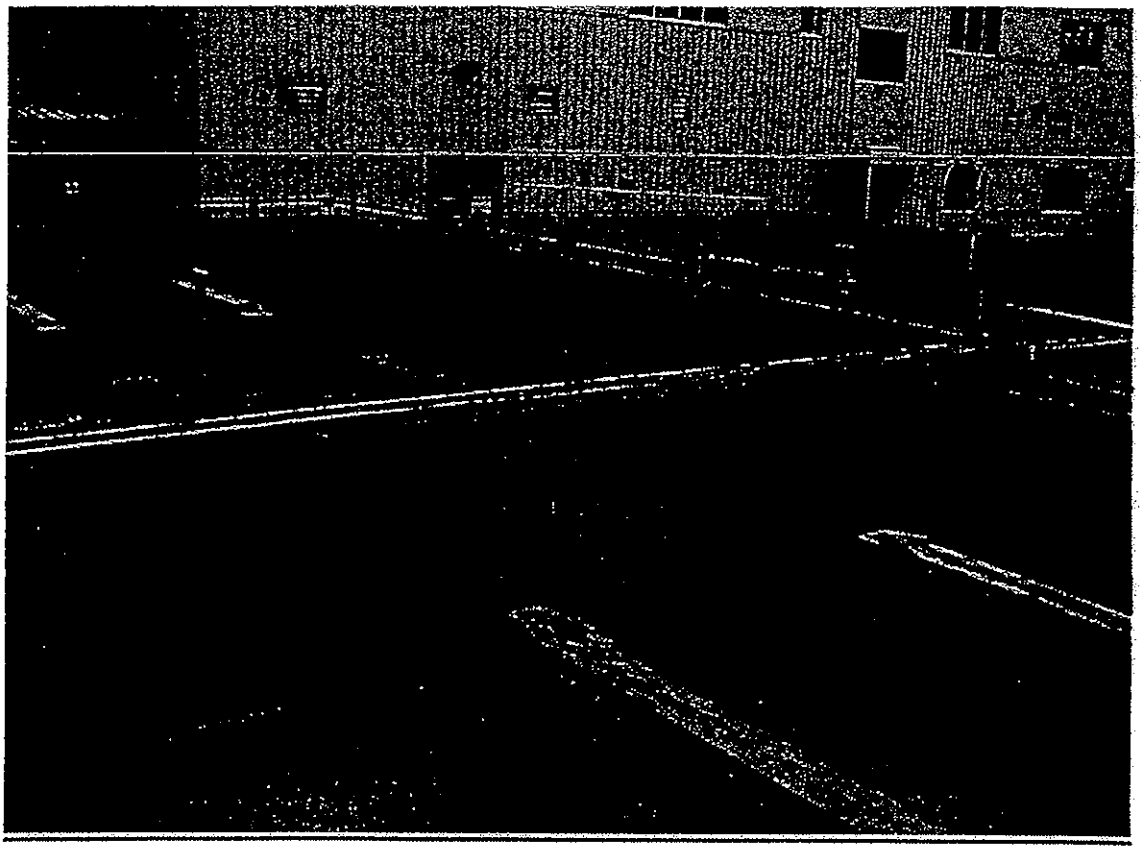


Labeled containing asbestos on stairways and siding on building and roof structures. Four large exhaust systems with motors and contaminated ductwork. One climate changer coated with substance marked, "containing asbestos fibers."

110-B-Level Roof:

Eight roof vents with motors.
One used paintbrush.
Two exhaust fans with motors.
Duct work from building 109 possibly contaminated.
Three A/C units containing CFC's not drained.
Climate changer with an asbestos insulation coating, labeled on unit.
Dust collector unit possibly contaminated.
One 60 HP motor on vent system. System also has filters and joint caulk that may be contaminated.
Large A/C unit with compressor, having motor and oil. CFC lines have not been drained.

East Tank Farm:



East Tank Farm

East Tank Farm: Formerly contained storage tanks holding chemicals including: Caustics, Methanol, Toluene and D-10 (Polysiloxane),

B. Building 111

Building 111

Building 111 was formerly used for physical/materials testing. No history of formerly used or stored chemicals.

111-1-01:
One CO2 fire extinguisher.

111-1-02:
Ceiling heater with motor.
Hot water tank.

111-1-03:
One Mercury thermostat.

111-1-04:
One A/C unit "Trane Uni-Trane." Contains CFC's, compressor with oil.

111-1-05:
One A/C unit contains CFC's and oil

111-1-06:

One Mercury thermostat.
One CO2 fire extinguisher.
Ceiling heater with motor.
Fax Machine.

111-1-07:

One electric thermostat.

111-1-08

One Mercury thermostat and two electric thermostats.

111-1-09:

One electric thermostat.

111-1-11:

One A/C unit contains CFC's and oil.

111-1-12:

One electric thermostat.
Three A/C units containing CFC's and oil.

111-1-13:

One A/C unit contains CFC's and oil.

111-1-14:

Pan of oil and debris.
30 lb. bag Silica Gel, Davidson Chemical Company.
50 lb. bag Filtering Agent, Degussa Chemical Company
10 lb. bag Filtering Agent, Cab-O-Sil.

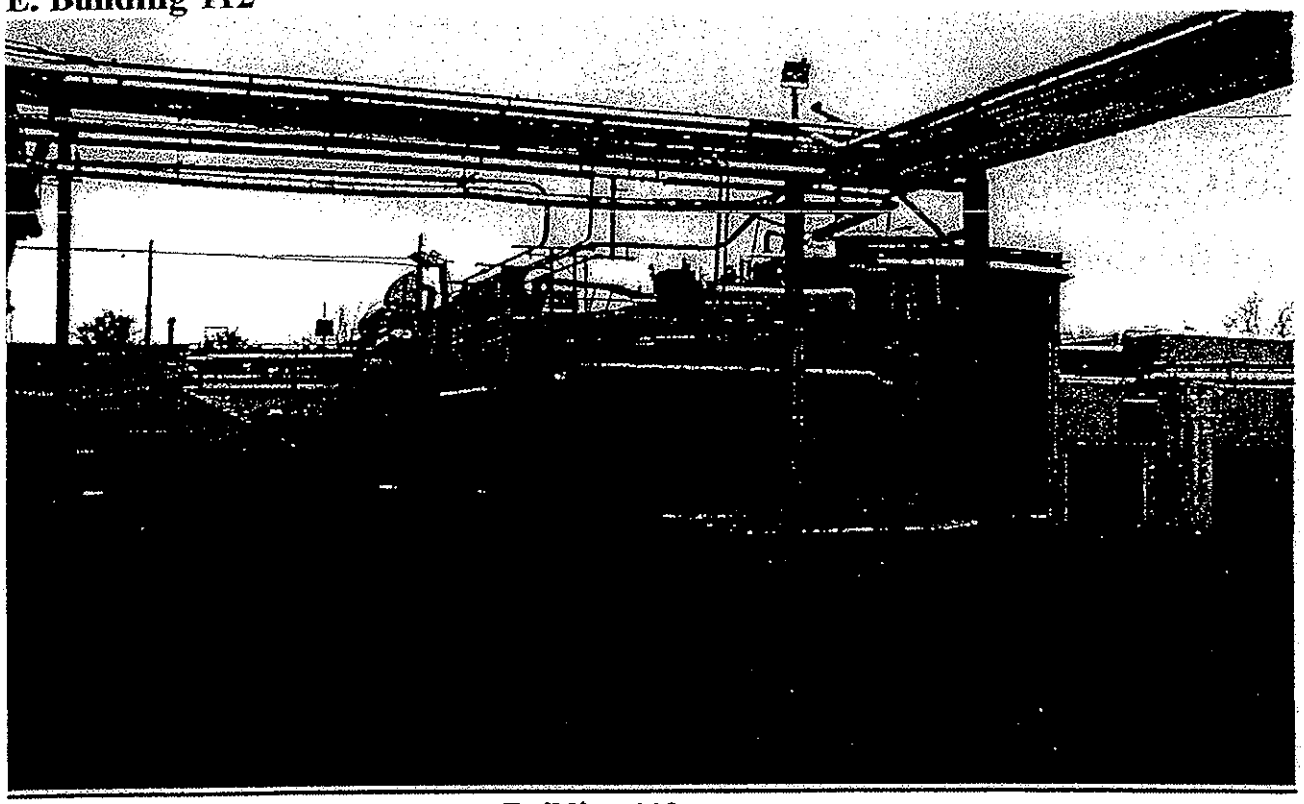
111- Perimeter:

Burm between buildings 111-113. 20'x 10'x 8" deep. Burm is empty, contaminated with dirt and gravel.
One Mercury Vapor light on perimeter of this building.

111-Roof:

One large A/C unit. Motors and compressors contain oil. CFC's not drained.
Exhaust unit with motor.
Pipe lines not labeled, disconnected on ends.

E. Building 112



Building 112

Building 112 was formerly used for production of LR (Laminating Resin- a silicon based product). Formerly used a variety of chemicals including: Ammonia, phosgene, caustics, LR powder, Methlenechloride, and muriatic acid.

112-01:

One Electric thermostat.
Bottle shampoo.

112-02:

Two Mercury thermostats.
One electric hot water tank.
Exit sign possibly containing Tritium.

112-03:

Phosgene was used in this area. One time Phosgene alarm system.
One CO2 fire extinguisher.
Exit sign possibly containing Tritium.

112-06:

High-pressure airlines, disconnected.
Photometric Analyzer machine.

Three oven possible asbestos inside the ovens. Visible contamination.
Lab bench possible asbestos.
Hood 112-54 Asbestos lined, gas lines disconnected.
Corner hood also lined with asbestos sheeting.
Constant temperature bath with mercury thermometer and motor.
Two alcohol monometers, one on each hood.
1oz. red gauge oil.
30" Mercury thermometer in hood.
In line air trap, possible oil residue.
Sink trap on lab bench possible contamination.

112-07:

Stainless steel exhaust system with visible signs of corrosion.
Pipes insulated with possible asbestos.
In-line traps possible oil residue.
Instrument air and breathing airlines disconnected.
Sump pump with motor. Pump has oil fill and drain plugs.

112-08:

4'x 4' with 18" liquid on bottom.
Sump pump and motor, containing oil.

112-09:

Corrosion on metal ceiling.
Glycol coolant lines

112-10:

Glycol lines cut off in this room.
Three electrical units on wall with fill and drain plugs.
CO2 fire extinguisher.
Possible Tritium sign.

112-11:

Bird and rodent droppings on the floor, potential biohaz.
One exhaust fan, motor may contain oil.

112-12:

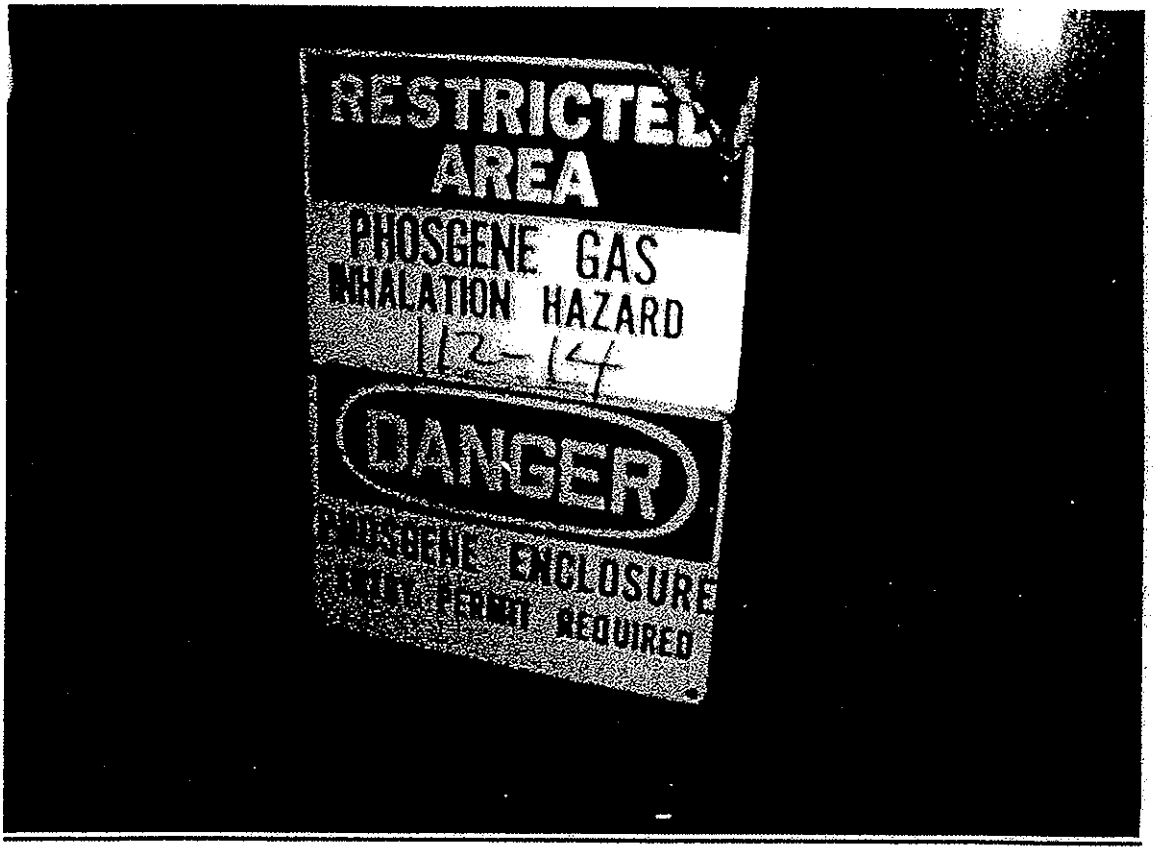
Two steam operated ceiling heaters, fan motors may contain oil.
Two exhaust ducts, disconnected, visibly contaminated.
One electric operated thermostat.
Deionized water line
City water line runs through this area. It is capped, and considered live.
Steam line runs through this area. A gauge shows pressure is still in the line and is considered live.
Two inline airline traps, contain oil and/or water.

Ceiling is heavily corroded, may be contaminated with chemicals used during production.
One luminescent exit sign, may contain Tritium, a radioactive source.\
Ammonia gas cylinders were used in this area.

112-13:

Exhaust ductwork, disconnected, visibly contaminated.

112-14:



Phosgene gas cylinders were used in this area.
Ceiling is heavily corroded, may be contaminated with chemicals used during production.
Piping and gas lines that ran into this room have been cut or disconnected, they are of an unknown source-assume phosgene.
Emergency blowout ceiling visible for catastrophes with phosgene gas cylinders.

112-15:

One empty aerosol can of insulating spray foam on the floor.
Stainless steel vent and damper visibly contaminated with the chemicals used during production.

112-16:

One ceiling heater, fan motor may contain oil.
One inline airline filter, contains oil and/or water.
One electric operated thermostat.
One dry chemical fire extinguisher.
One can aerosol paint found in area.

112-17:

Roof has deteriorated in this area and leaks profusely. The floor is covered with liquid and algae, assumed to be rainwater damage.
Empty flammable cabinet, previously used for phenol solution storage.
Stainless steel exhaust system visibly contaminated with the chemicals used during production.

112-18:

Exhaust duct and ductwork visibly contaminated with the chemicals used during production in this area.
Secondary containment container visibly contaminated. Dimensions of container are 3 ft. x 3 ft. x 8 in. (L x W x D).
One inline airline trap contains oil and/or water.

112-19:

Dichloromethane inlet and outlet lines on south wall have been disconnected from its source outside of the building. These lines may contain residual chemical contamination.
Nitrogen gas line meter disconnected from its source.
One 1-gal. Empty jug of "Smoke simulation" liquid.
Ductwork visibly contaminated with the chemicals used during production in this area.

112-Perimeter:

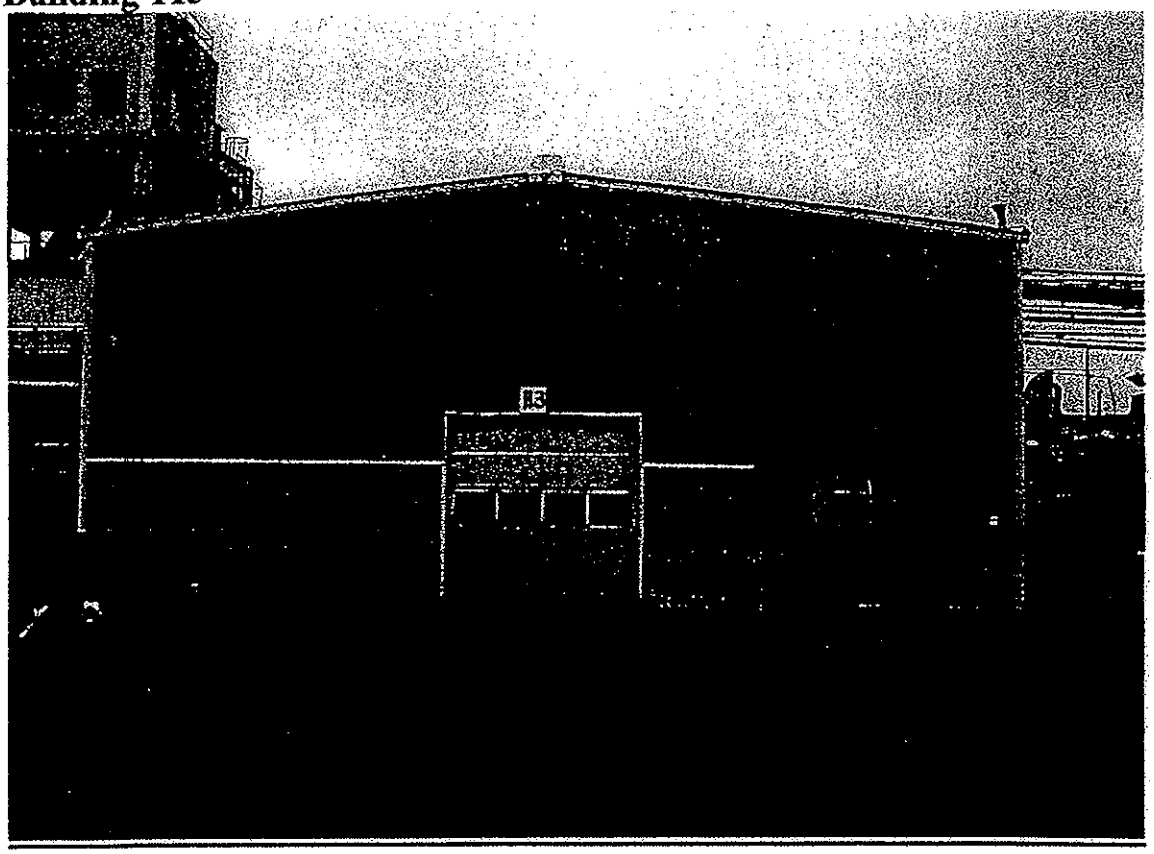
Two Mercury Vapor lights.
Trench for pipes, containing some runoff water, leaves and dirt.
Two small tank farms now empty. Bottom covered with dirt, leaves and gravel.
Electrical controls on West side of building.
Two Dichloromethane lines that are disconnected, no source.
Three-inch PVC pipe cut ion ends.
Steam pump in operation east side of building.
Cylinder storage station, empty.
A/C unit with two compressors containing oil and not drained of CFC's.

112- Roof:

Large ventilating system, visibly contaminated.
Large A/C unit with compressors containing oil and not drained of CFC's.

Medium size A/C unit, compressors containing oil. CFC's have not been drained.
Six exhaust vent with fans and motors.
Galvanized exhaust vent pipes visibly rusted.
3'x 5' corrugated fiberglass.

F. Building 113



Building 113

Building 113 was formerly used for drying products. Also used for material storage. No known history of chemical use or storage.

113-01:

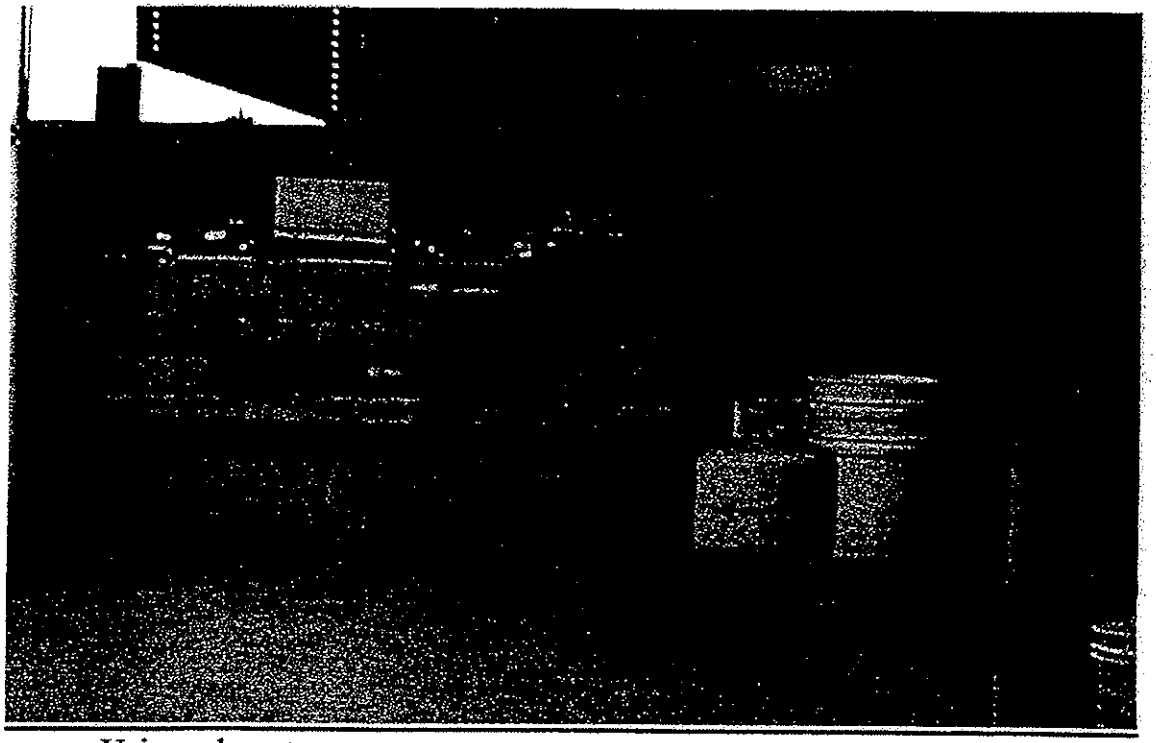
Note: This area was being used as a temporary Universal Waste storage area as of December 10, 2004. The waste stored at this time was recorded for reference purposes only.

Two motors and pumps containing oil.

One empty 55-gal drum, labeled "Sampled by BBL, 8/1/03"
Two boxes loose 8 ft. long bulbs.
Two dry chemical fire extinguishers.
One garage door opener motor, chain and motor contain greases and oil.
Inline airline trap contains oil and/or water.
One inline airline filter, may contain oil and/or water.
Sump pump system motor may contain oil.
Two system pumps and motors contain oil.
Feed-line and storage bin also contaminated with the same yellow material. Motor may contain oil. Ductwork caulk consistent with asbestos containing caulk.
15 HP motor and pump on pallet. Motor, pump and reservoirs contain oil.
Garage door opener with motor on pallet.
Pump and motor on pallet contains oil.
Electric generator with filters and pumps that contain oil.
De-icing and snow melting compressor containing oil and CFC's.
55-gal vacuum contaminated with dirt and solids.
One self-illuminating sign possibly containing Tritium.

113-01 (con't.):
Three flammable cabinets.
Cabinet #1: Three five-gal gasoline.

Three five-gal cans gas and oil mix.
Cabinet #2: Six five-gal can oil.
One five-gal can parts cleaner.
One five-gal can degreaser.
Cabinet #3: Eight five-gal cans oil.
Four one-quart bottles of oil.
One-gal die oil.
One-quart degreaser.
One 100ml bottle Corrosive remover.
One can chrome polish.



Universal waste storage area:
Pallet Lead/Acid batteries, car type.
55-gal. Drum labeled- Lead/Acid batteries.
20-gal lab pack labeled- Alkaline batteries.
20-gal lab pack labeled- Lithium batteries.
20-gal lab pack labeled- Nickel Cadmium batteries.
20 lb. Propane tank.

113-01-Loft:

One pump with motor on steam line.
One airline in-line trap and air filter.
Vacuum unit above hopper visibly contaminated with yellow powder.
Ceiling heater with fan motor.

Gas line cut in building valves in open position.
3'x 11/2 secondary containment burm.
Small motor operating gate.
Small motor for exhaust fan.

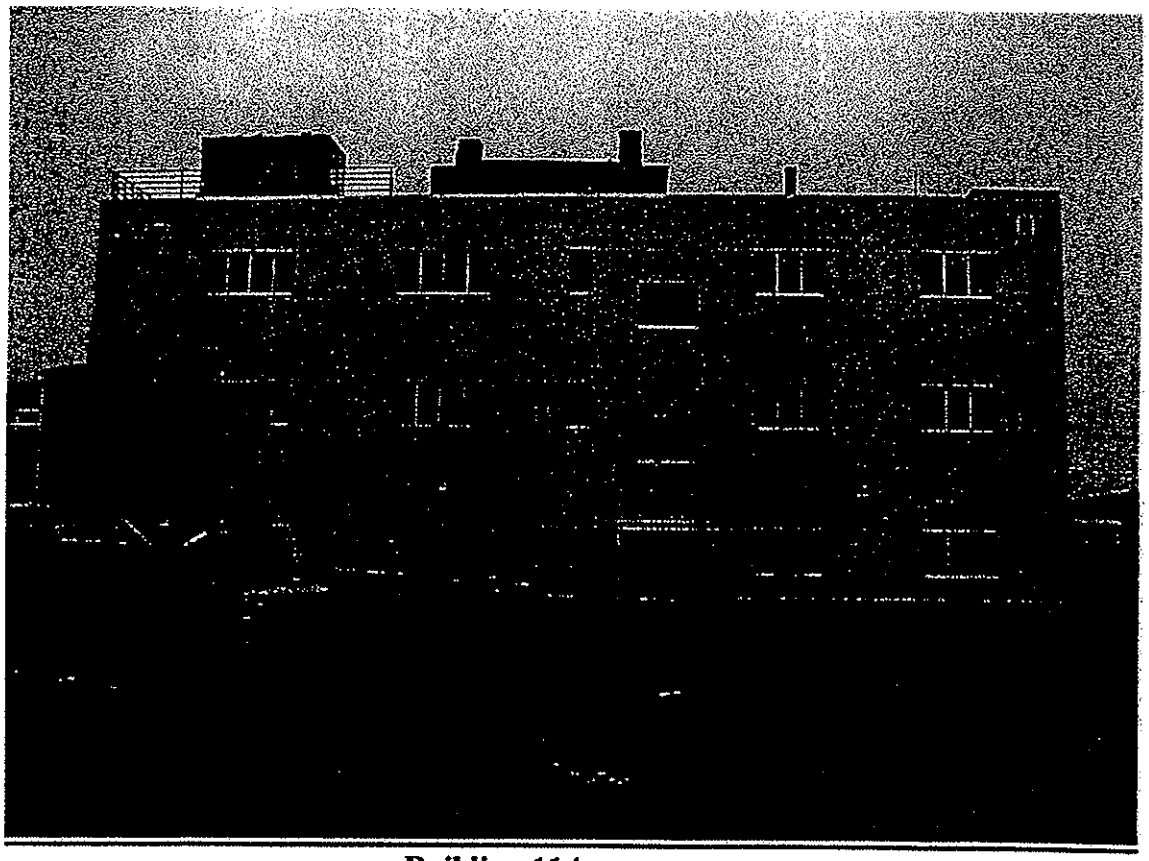
113- Perimeter:

Disconnected Exhaust duct, east side of building.
One Mercury Vapor light, south side.

113-Roof:

One vent pipe.

Building 114:



Building 114

Building 114: Formerly used in the production of Butane Diol and Ulten. Chemicals used in this building included: Solvents, Acids and meleic hydride.

114-1-01:

Three 1-gallon jugs of cleaner.

One wall heater with a small motor.

114-1-02:

Two CO2 fire extinguishers.
Three signs that may contain Tritium.

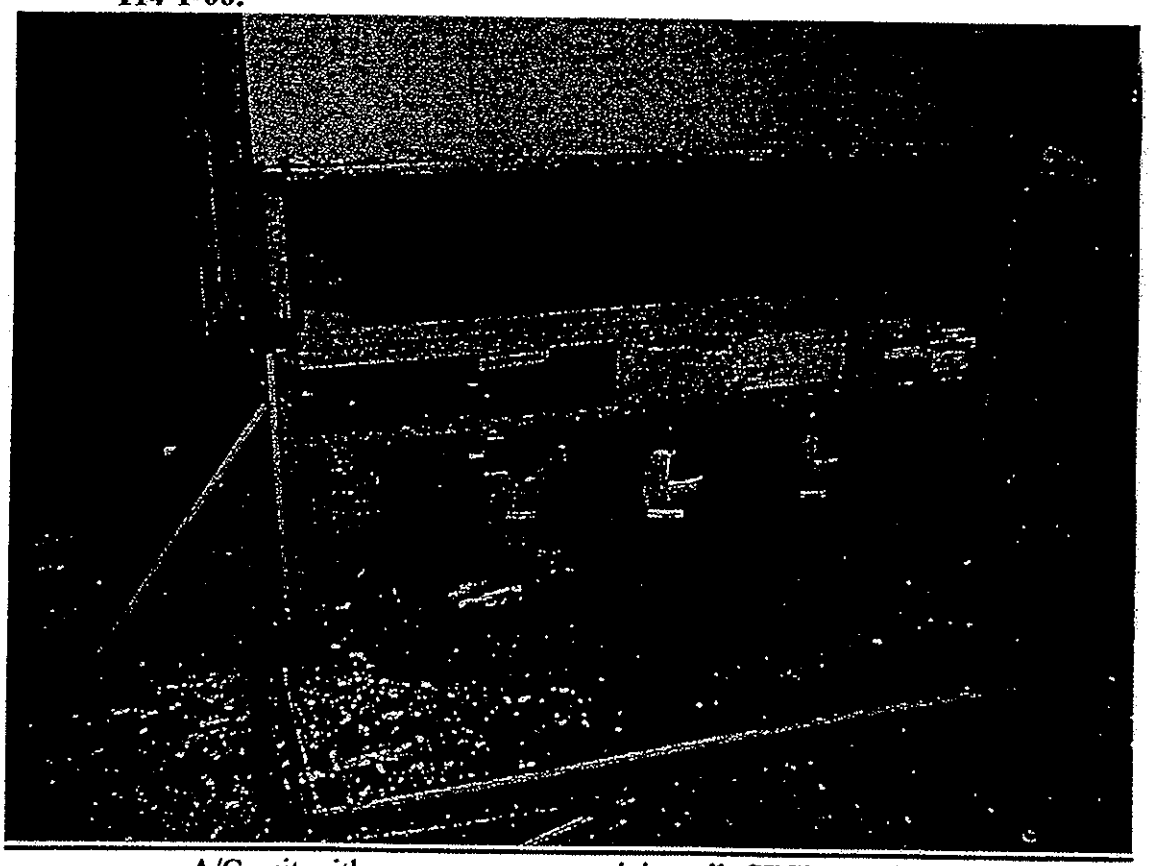
114-1-04:

One electric thermostat.
One sign possibly containing Tritium.

114-1-05:

One spray cleaner and one 5-HP shop vacuum with contaminated filter.

114-1-06:



A/C unit with compressors containing oil. CFC's not drained.

114-1-07:

Three signs that may contain Tritium.
55-gallon fiber drum containing trash.
Two empty fiber drums.
Four pallets of ice melt.
One plastic jus labeled spring water.
One bag speedy dry.
Phenol and water, Phenol and oil, waste areas. Nothing present at this time.

Copper pipes showing corrosion.
One garbage can containing unknown liquid.
One garbage can containing a bag carbon.
A pump containing oil under stairway with motor attached.
Large crate nailed shut. No identification. Possible machine.
City water lines cut. Potable lines cut.
Fluorescent bulb crusher.
Floor traps show visible contamination with unknown solids.
Venting system visibly contaminated.
55-gallon vacuum contaminated with dirt and residue from this area.

114-1-08:

Three in line air trap with possible oil residue.
In-line water filter that is visibly contaminated.
Two Sump pumps and motors with fill and drain plugs for oil.
Sump 4'x 3'x 3' deep, 3" unknown liquid and solids.
Pallet Jack containing hydraulic oil.
Nitrogen lines disconnected and capped.
Exhaust ventilation ducts contaminated with original sources.
Two self-illuminating signs, possibly containing Tritium.
Water meter.
Crane hoist with motor.
Two empty vented flammable cabinets.
Two ceiling heating units with fan motors.

114-1-09:

One Mercury thermostat.
Four Lead Acid batteries.

114-1-10:

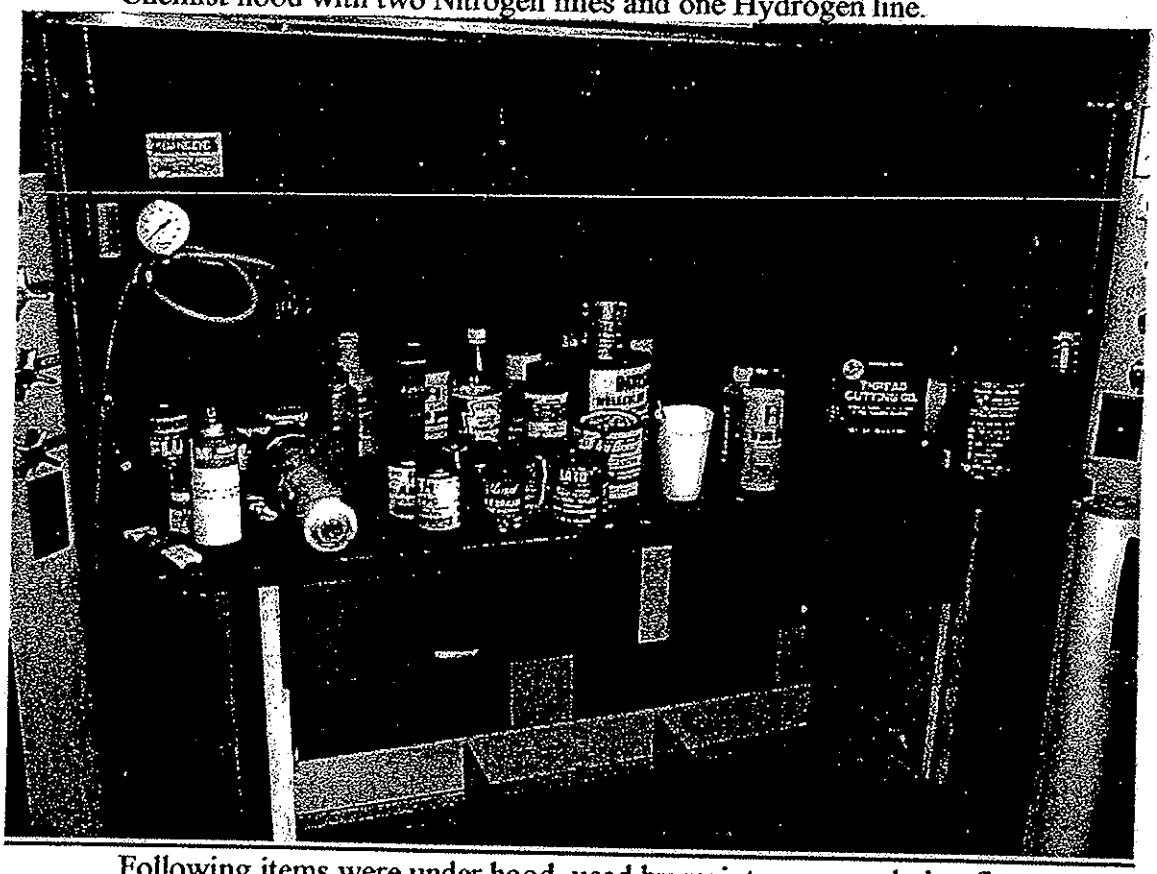
One 16-oz. Propane cylinder.
One tube grease.
Ceiling heater with motor.
Two one-gallon jugs cleaner.
One spray Teflon tape.
Two cabinets, pad locked, still in use.
Two one-gallon plastic jugs of cleaner.

114-1-11:

Five-gallon pail with oily rags.
Drill press with motor containing oil.
Automatic pipe threading machine, contaminated with cutting oil.
Two self-illuminating signs possibly containing Tritium.

114-1-11: (con't.)

Chemist hood with two Nitrogen lines and one Hydrogen line.



Following items were under hood, used by maintenance and pipe fitters:

Two-pints gasket sealer.
Two-pints anit-sieze compound.
Two-half pints pipe cement.
Two rolls solder. Containing lead.
One tube grease.
One-pint thread sealing compound.
One-quart white vinegar.
One-gallon thread cutting oil.
Four oz. Lube oil.
One-pint anti-fog cleaner.
One-pint rust remover.
One-gallon molecular sieves.
One-gallon, latex paint.
One-quart contact cement.
Two cans aerosol paint.
One-quart plumbers putty.
Three-half-pint flux.
One water filter
One-pint flux.
One can aerosol spray adhesive.One 3-cc syringe with a 23-gauge needle.

114-1-13:

Two one-gallon plastic jugs of cleaner.
One aerosol spray paint.
Two 16oz. hand lotion.
One self-illuminating signs possibly containing Tritium.

114-1-15:

Ceiling heater with fan motor.

114-1-16:

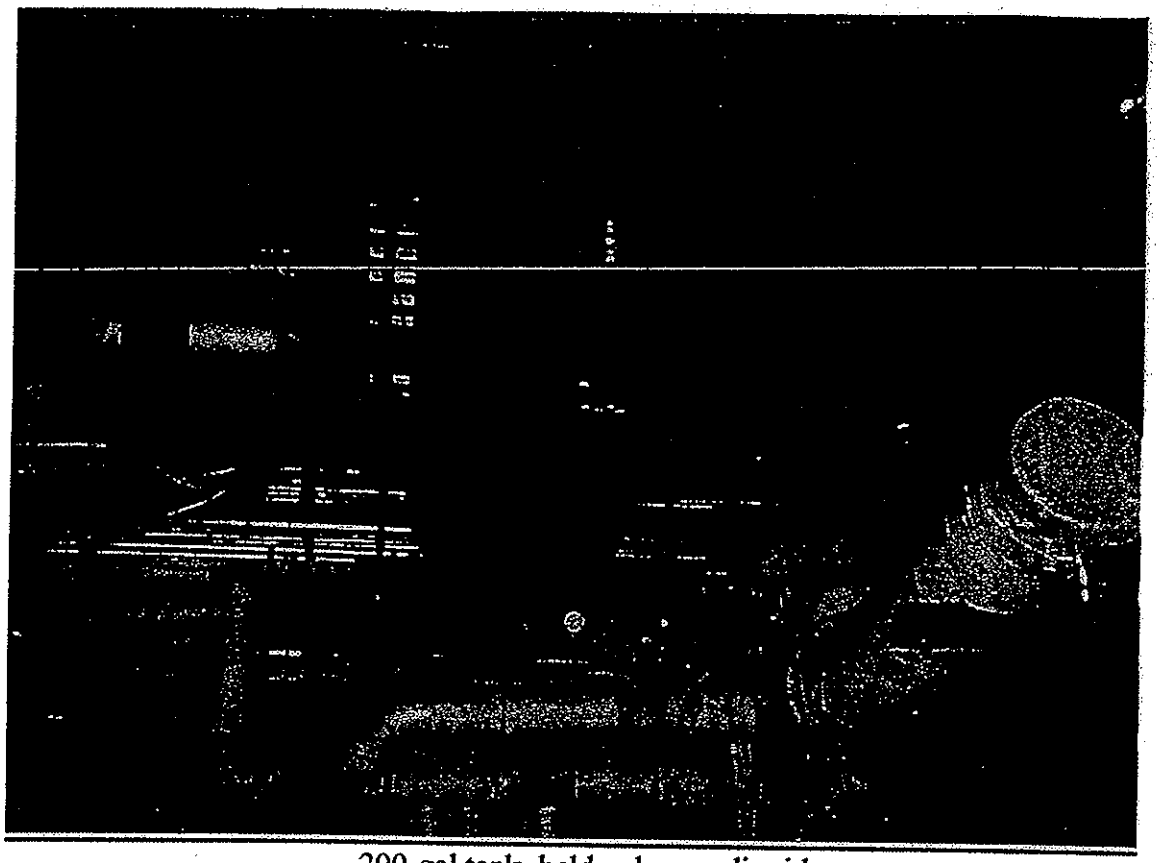
500 ml Poly Ethylene Glycol.
One-gallon Snoop leak detector.
Fan with motor.
Ceiling heater with motor.

114-1-16 Shed:

Shed next to 114-1-16 is empty.

114-1-17:

Four empty 55-gal drums contaminated with anti-freeze.
Two temperature control system pumps may contain unknown liquid.
Two pumps with motors containing oil, pan under pumps containing oil spill over.
Two pumps with motors on hot water lines.
Two five-gal pails containing unknown liquid
In-line air trap may contain oil residue.
Roof exhaust fan with motor.
One CO2 fire extinguisher.
One self illuminating sign may contain Tritium.
Exhaust system with two motors and filters contaminated with dirt and dust along with past building usage.



200-gal tank, held unknown liquid.

Hot water heater, 100-gal.
Ceiling heater with motor.
Five capacitors possibly PCB contaminated.

114-1-18:

Floor contaminated by oil spills and leaks.

114-1-20:

One electric thermostat.

114-1-22:

Two-quarts of ammonia
Two one-gallon jugs cleaner.
One-gallon bleach.
One box cleaner.

114-1-23:

One electric thermostat.
One ceiling heater with fan motor.

Building 114 Level 2:

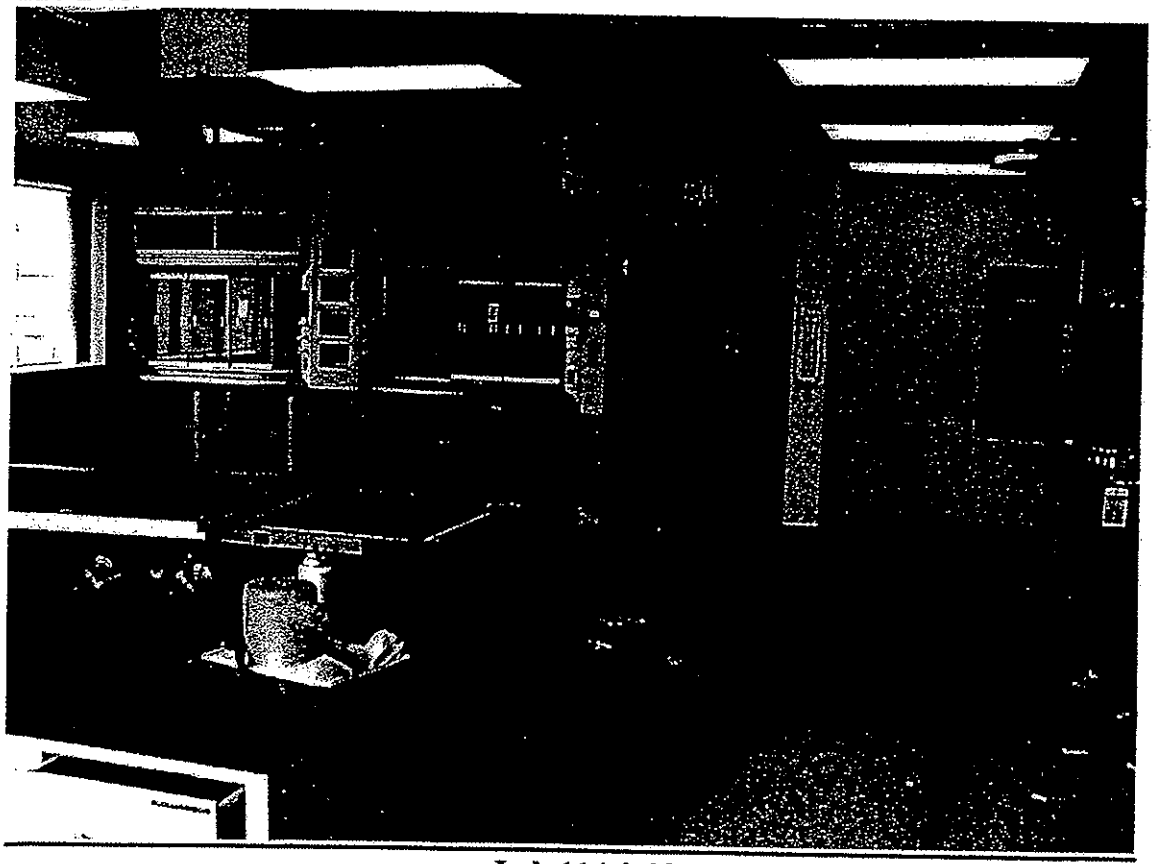
114-2-01:

One self-illuminating sign possibly containing Tritium.
One CO2 fire extinguisher.

114-2-02

Empty flammable cabinet.
Two self-illuminating signs possibly containing Tritium.
Two hoods possibly contaminated.
Nitrogen gas lines inside hoods, disconnected.
Lab sink trap possibly contaminated.
Lab vacuum in room visibly contaminated.

114-2-03



Lab 114-2-03

Four self-illuminating signs possibly containing Tritium.
Five in-line water filters.
Four chemist hoods in this lab with internal Nitrogen lines.
Duct work, gas lines, and power disconnected from hoods.

Duct work over hoods possibly contaminated.
Empty gas cabinet with vents.
Pipe system containing unknown liquid.
Two-inch plastic lab dish with oily bottom.
100g lab jar labeled soap- white powder.

114-2-04:

Two lead acid batteries in emergency lights.
Two motors containing oil.
One hydraulic door closures.

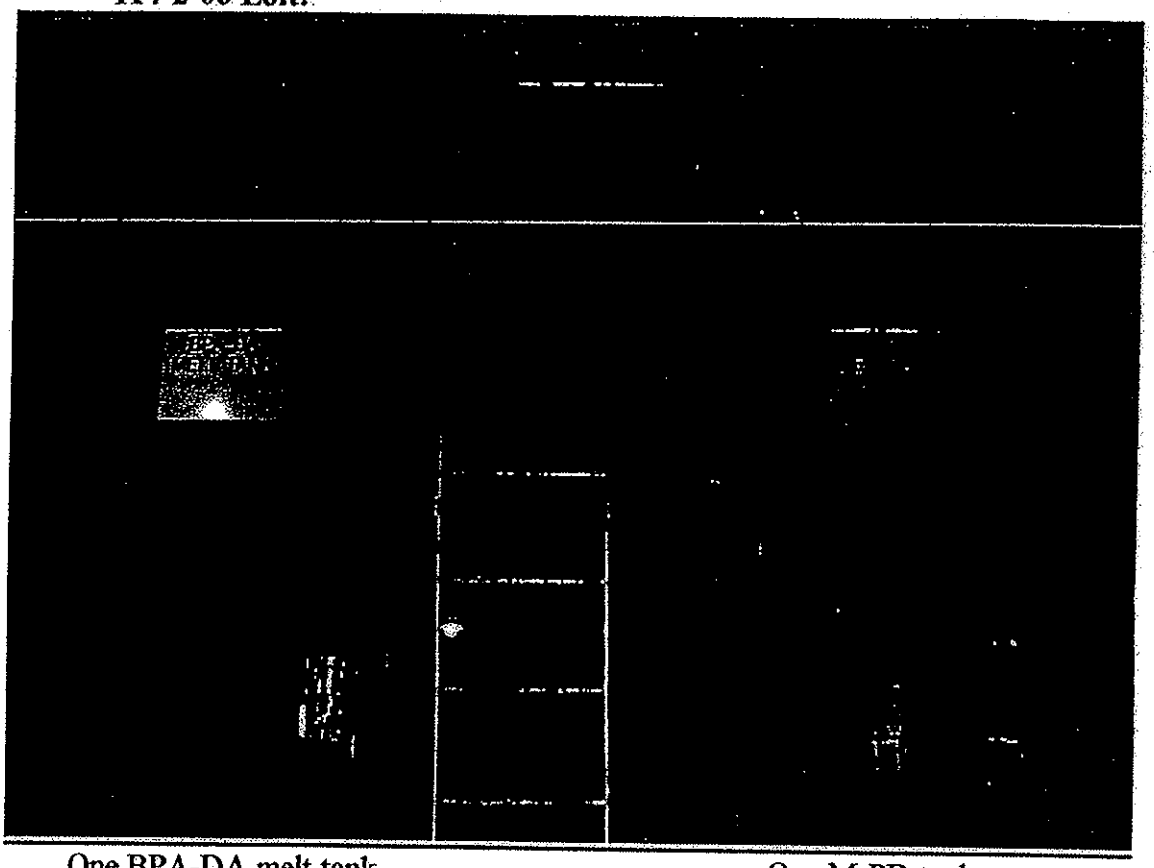
114-2-05:

Two emergency lights with lead acid batteries.
One hydraulic door closures.

114-2-06:

This room in contaminated with dried oil or tar like substance.
3 one-gal plastic jugs of cleaner.
One five-ton crane with gearboxes and motors containing oil.
Extension cord recoil wheel with motor.
Four self-illuminating signs possibly containing Tritium.
Five sections of exhaust ductwork with motor.
Ceiling mounted heater with motor.
Large duct system with filters filters visibly contaminated.
Three in-line air traps possibly containing oil.
Metering box in center of room with in-line air trap possibly containing oil.
Biohazard, bird droppings and feathers, Northeast area of room.
Venting ductwork visibly contaminated.
Hot water pump and motor containing oil.
Hot water tank, 200-gal, with pump and motor containing oil.
Ceiling, I-beams coated with tar like substance, possibly from room above.
Five in-line air traps possibly containing oil.
Three gages possibly containing Mercury on in line vacuum system.
One self-illuminating sign possibly containing Tritium.

114-2-06 Loft:



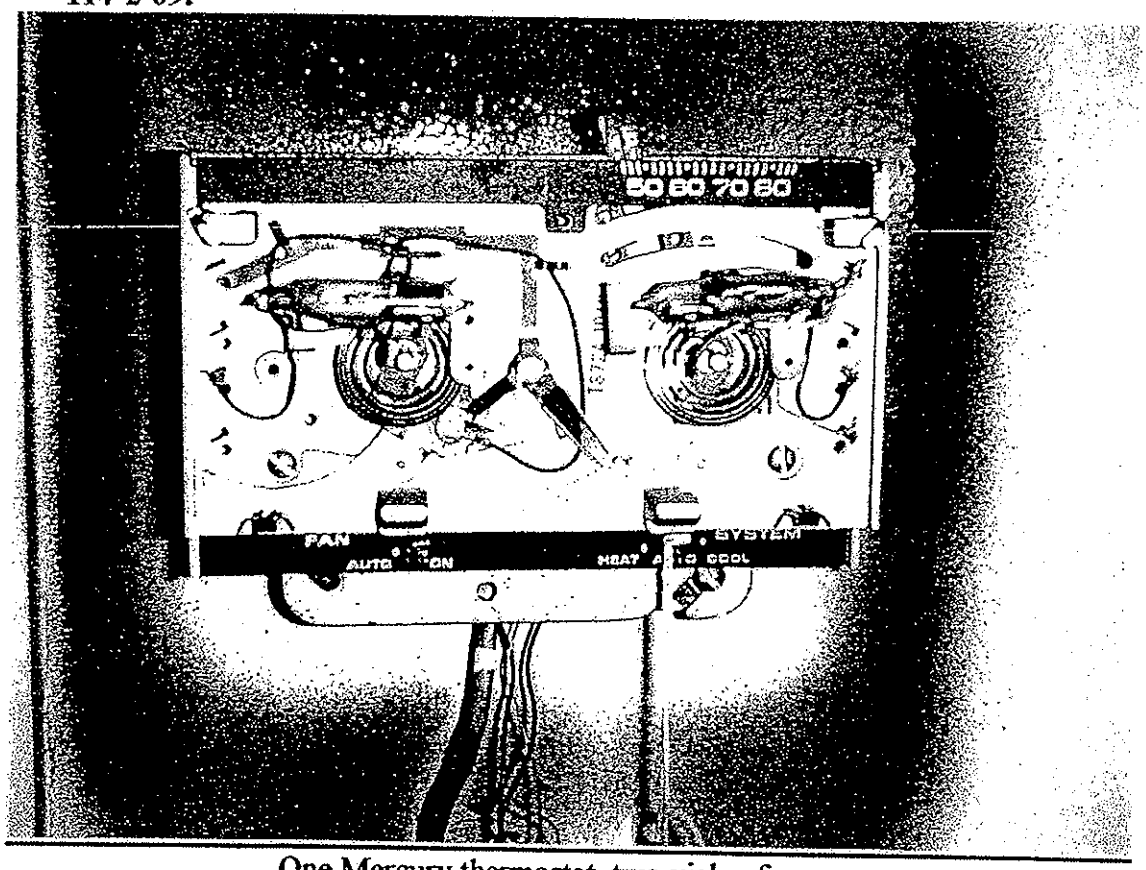
One BPA-DA melt tank.
One bag speedy dry.

One M-PD tank.

114-2-07:

One self-illuminating sign possibly containing Tritium.

114-2-09:



One Mercury thermostat, two vials of mercury.

114-2-13:

One electric thermostat.

Level 3:

114-3-01:

One smoke detector.

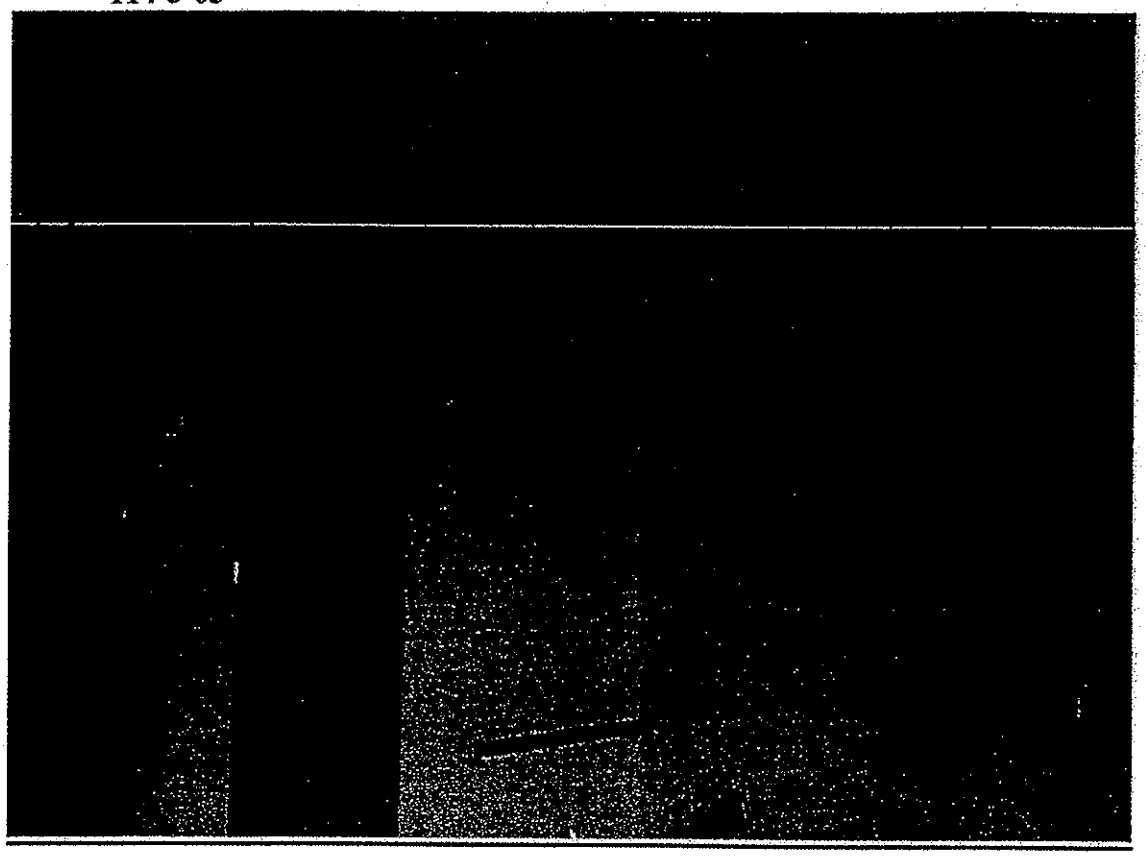
114-3-02:

One 3-oz. can Marvel Mystery oil.
One contaminated Phenol Desacant.
Electric thermostat.

114-3-03:

One self-illuminating sign that may contain Tritium.

114-3-03



Three in-line water filters.

114-3-04:

One 5-gal pail lube oil.
One self-illuminating sign that may contain Tritium.

114-3-05:

One hydraulic door closures

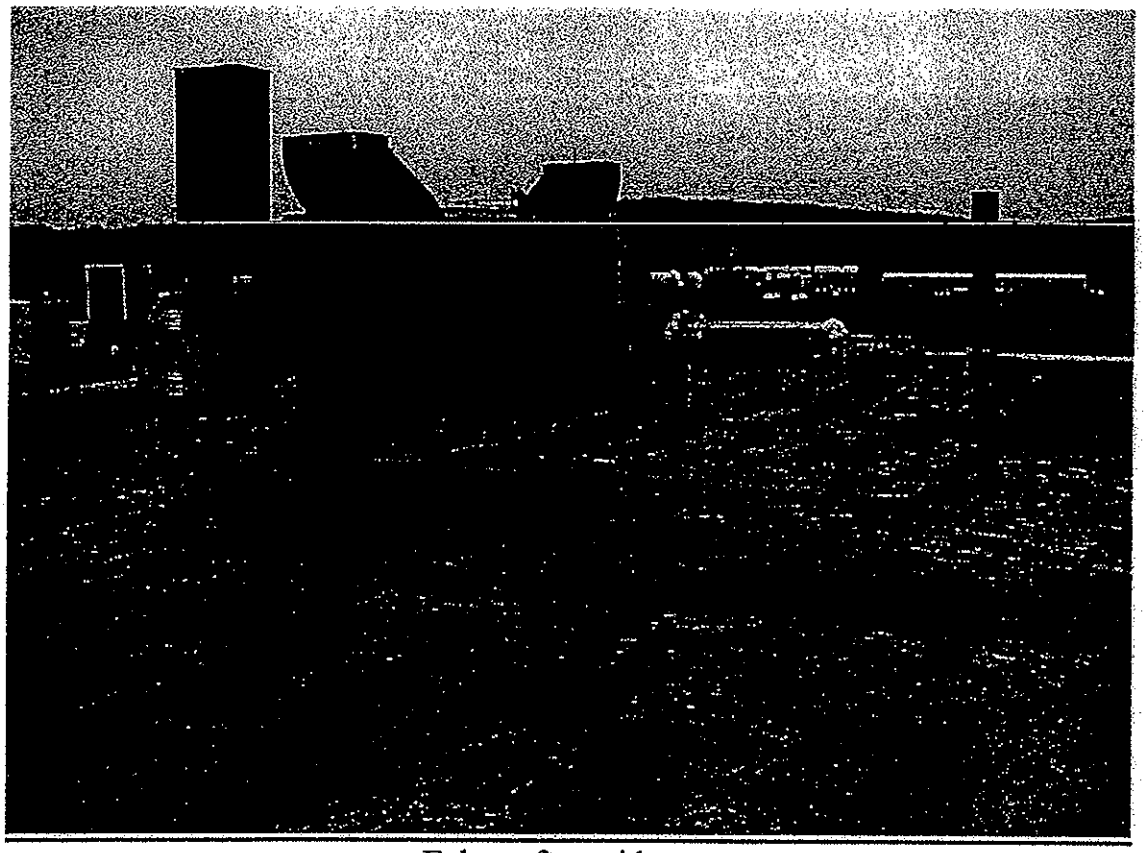
114-3-06:

Seven motors containing oil.
Three hydraulic door closures.

114- Perimeter:

Three A/C units with motors, containing CFC's.
Sub Station
Exhaust system with motors.
Five Mercury Vapor lights.
Pipes and lines to building are disconnected.

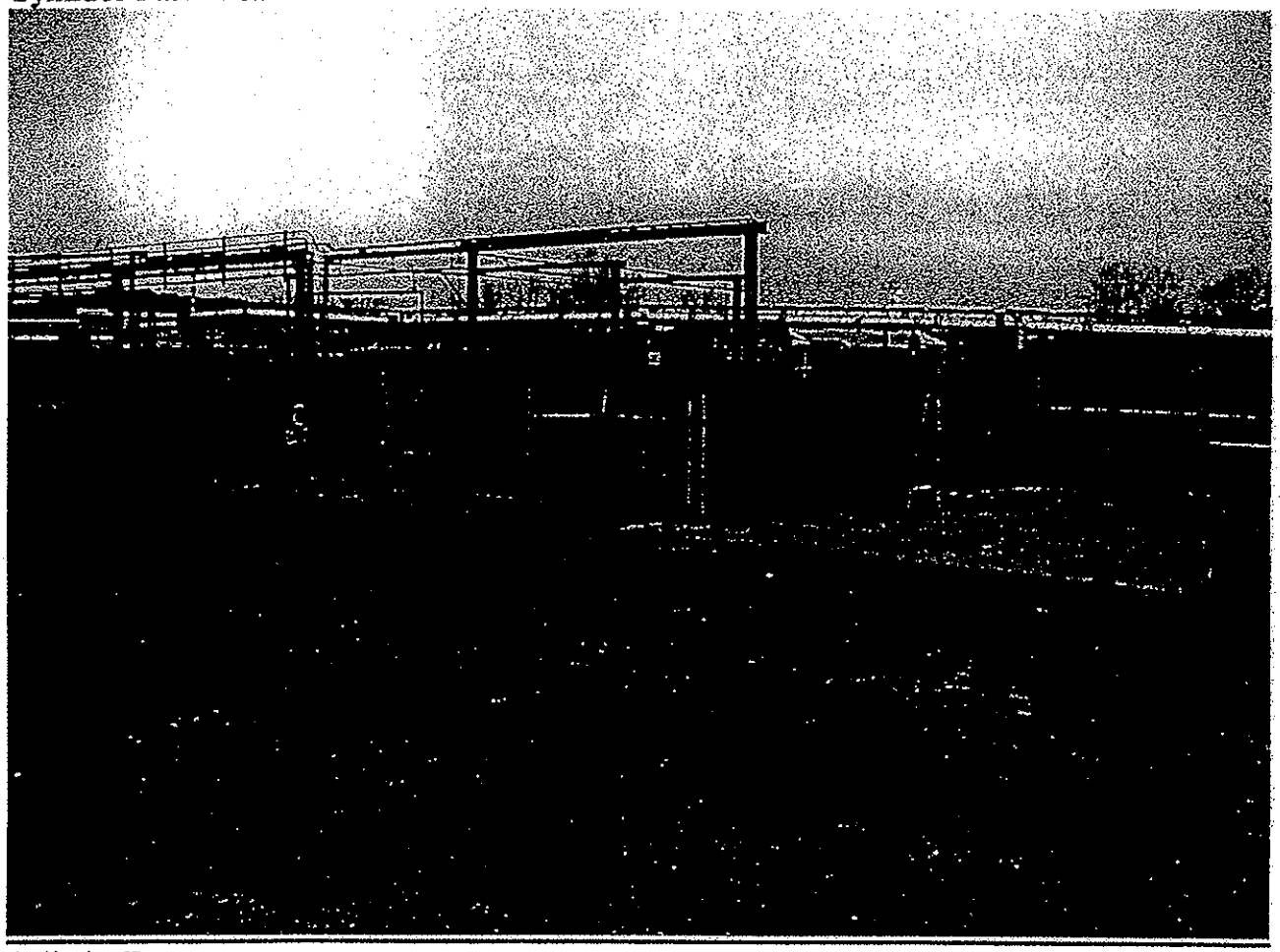
114 Roof



Exhaust fans with motors

Two Mercury Vapor lights.
11 Exhaust vents and duct work with: motors, fans, oil and grease fittings.
Two large A/C heating units with motors and containing CFC's.

Cylinder Farm near 114:



Cylinder Farm:

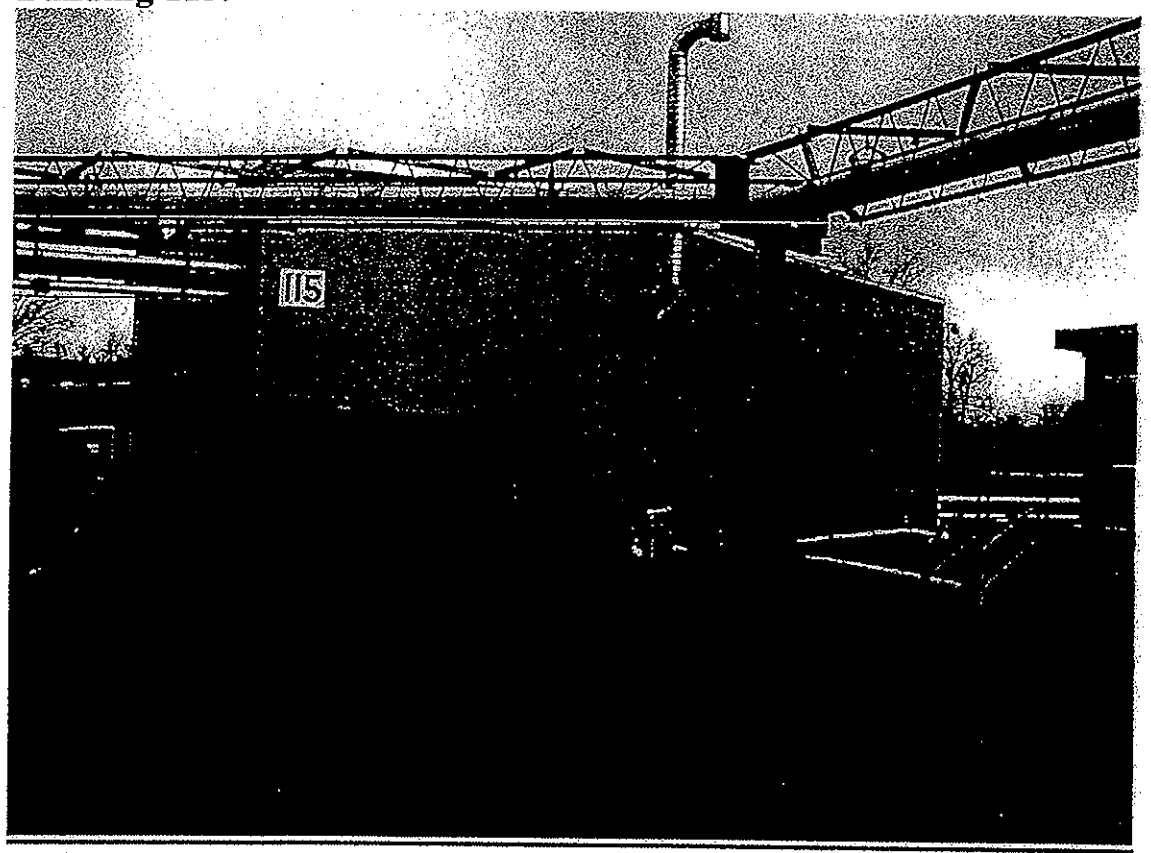
Bay 1: Once held Carbon Monoxide gas, Nitrogen, Oxygen.
Two pumps with motors that may contain oil.
Gage possibly containing Mercury.
1000-gal metal tank.
Six Mercury Vapor lights.

Bay 2: A training cylinder.

Bay 3: One Mercury Vapor light.

Bay 4: Gas meter.
Four Mercury Vapor lights.

Building 115:



Building is now being used for temporary hazardous material storage and labpacking area. Chemcept preformed a chemical sweep of this building omitting hazardous material still being used by General Electric Advanced Materials Division and Hazardous waste waiting to be disposed.

Building 115: Formerly used for Methlene chloride stripping. Also used for chemical storage, shipping and receiving. Methylene chloride is the only chemical found in its history information available.

115-01:

Various chemicals that will be disposed of by years end.
Numerous drums of various sizes to be used for lab packing.
Flammable cabinets still in use containing numerous containers of: oil, gas, paint and battery acid. Other items also inside cabinets: Small cylinder of Polymetric Isocyanate, 1-gal acetone and 1-liter Acetone.
Three pallets of ice melt.
Cubic yard box of loose ice-melt.
20-gal propane cylinder.
Portable pump with hoses.
Front-end bucket loader, propane powered.
Locked cabinets still in use.
Dumpster full of scrap cardboard.

115- Perimeter:

Empty cylinder storage area.
Open 6" drainage pipe.
12" diameter exhaust vent ductwork.
Eight-inch diameter lightweight aluminum pipe along south wall to building does not enter building 115.

115-Roof:

One exhaust vent with fan and motor.

IV. Appendix A

Spreadsheets

Building 107

Bld # 107 Rm. #	HID Lights	CFC Equip.	Lt. Fix.	Lt. Fix. Ballast	Fluor. Bulbs	Sprink. Heads	Hyd. Door Closures	Motors W/ oil	Emerg Lts. Batteries	Trans. Dry Type	Additional Notes
Level 1											
A1	4					12	1	2			Manufacturing
A1 Loft	2					5					Storage
107 Perimeter	2							1			Outside
107 Roof								1			Roof
Totals	**8**	**0**	**0**	**0**	**0**	**17**	**1**	**4**	**0**	**0**	

Building 108

Bld # 108 Rm. #	HID Lights	CFC Equip.	Lt. Fix.	Lt. Fix. Ballast	Fluor. Bulbs	Sprink. Heads	Hyd. Door Closures	Motors W/ oil	Emerg Lts. Batteries	Trans. Dry Type	Additional Notes
Level 1											
1			1	1	0	1	2		1		Entrance
2			4	4	16	2	1		1		Reception Area
3			3	3	12	2					Office
4			2	2	8	2			2		Hallway
5			3	3	12	2					Office
6			3	3	12	2					Office
7			3	3	12	2					Office
8			3	3	12	2					Fit Test
9			7	7	28	4					Office
10			2	2	8	2	1				Hallway
11			2	2	8	1					Rest Room
12			3	3	12	2					Rest Room
13			4	4	10	4	3				Hallway
14			24	24	78	8					Manufacturing
15			26	26	52	12		4			Storage
16			4	4	8	4			1		Hallway
17			3	3	12	1					Office
18			4	4	16	1					Break Room
19			2	2	8	1					Office
Attic			16	16	16	8					Storage
20			6	6	12	5	3		1		Lab
21			8	8	8	3	1	3		1	
Perimeter			1	1	2			1			
Roof		2						1			
Totals	0	2	134	134	362	71	11	9	6	1	

Building 109

Bld # 109 Rm. #	HID Lights	CFC Equip.	Lt. Fix.	Lt. Fix. Ballast	Fluor. Bulbs	Sprink. Heads	Hyd. Door Closures	Motors W/ oil	Emerg Lts. Batteries	Trans. Dry Type	Additional Notes
Level 1											
Hall 01			10	10	37	9	3		2		Hallway
1		1	2	2	6	12					HVAC units
Loft 1	1	1	7	7	14	22		3	1	7	Loft
2			2	2	8	3				2	Hallway
3			0	0	0	0					Closet
4		1	4	4	16	6					Office
5			12	12	36	6			1		Office
6			15	15	48	8				4	Office
7			17	17	34	16	1		1		Office
8			2	2	4	2	2				Office
9			6	6	12	6			1		Locker Room
10						4					Rest Room
11			5	5	9	5					Locker Room
12			0	0	0						Shower
13			8	8	16	8	1		1		Locker Room
14							2	2			Lab
15			6	6	12	4					Lab
16			4	4	16	4				2	Work Area
17			1	1	2	1			1		Valve Room
18		1	3	3	6	2		1			Security
19			2	2	8	2				1	Work Area
20			7	7	14						Work Shop
21			2	2	8	2	1				Work Area
22			9	9	10	4					Lab
23			4	4	9	4	1			3	Work Area
24	34					40	3	1			Manufacturing
25											Elevator
26	2					4					Testing Lab
27										1	Elevator Room
Dock	3					4					Loading Dock
Level 2											
1	2					4	1				Manufacturing

Building 109

2	30					35	1	1			
3	1						1				Office
4			7	7	10	4	2		1	5	Electrical
5			2	2	8	2					Office
6			1	1	4	2	1				Electrical
Level 3											
1	30					40		4			Manufacturing
2	2					4	1				
3	2					5	1	1			
Level 4											
1	4					12					Penthouse
Perimeter	5	1						2			Perimeter
Roof	2	2				1		7			Roof Top
Totals	**118**	**7**	**138**	**138**	**347**	**287**	**22**	**22**	**9**	**25**	

Building 110

Bld # 110 Rm. #	HID Lights	CFC Equip.	Lt. Fix.	Lt. Fix. Ballast	Fluor. Bulbs	Sprink. Heads	Hyd. Door Closures	Motors W/ oil	Emerg Lts. Batteries	Trans. Dry Type	Additional Notes
Level 1											
# 1			5	5	10	9	1	1	1		Hallway
2			0	0	0	0					Storage
3	3					2		1			Storage
4			1	1	2			1		3	High Voltage
5	10	1	8	8	9	20		2			Work Area
6		1	2	2	4	2		2			Work Area
7			3	3	6	20		2			Storage
8			1	1	2	2	1				Manufacturing
9		1	1	1	2	1		2			Utility room
10	7					8		1			Manufacturing
11		1	1	1	2	2		1	1		
12			1	1	2			2			Storage
13			8	8	8	4				1	Lab
14			8	8	8	4					Lab
15			8	8	8	4					Lab
16			5	5	20	2					Work Area
17			5	5	6	6				1	Electrical
18			2	2	4	1					Foyer
19		1	9	9	12	6			1		Hallway
20			6	6	24	3					Office
21			2	2	8	1					Office
22			4	4	16	2					Utility Room
23			4	4	16	2				1	Office
24			4	4	16	2					Office
25			4	4	16	2					Office
26			4	4	16	2					Office
27	1		20	20	56	10	2	1		2	Machine Shop
28			3	3	6			1		4	Work Area
29			2	2	4	2	1	2			Work Area
30	1		2	2	8	3					Work Area
Level 2											
1	1		16	16	32	8	3	3	1	1	Manufacturing
2			8	8	16	4			1		Work Area
3			8	8	16	4			1		Work Area

Building 110

4	1					1					Work Area
5	1						1				Work Area
6						2					Work Area
7	2		4	4	8	6	1	2			Work Area
8			1	1	2	4	1	1		3	High Pressure
Level 3											
1	2	1						4		1	Offices
Level 4						6					Offices
Perimeter	2					2		2			
Roofs											
Level 1&2	3							14			Roof Top
Level 3		2						4			Roof Top
Wet Trans								2			Transformer
Control			1	1	1						Control Pump
Totals	34	6	160	160	365	159	11	45	6	17	

Building 111

Bld #111 Rm. #	HID Lights	CFC Equip.	Lt. Fix.	Lt. Fix. Ballast	Fluor. Bulbs	Sprink. Heads	Hyd. Door Closures	Motors W/ oil	Emerg Lts. Batteries	Trans. Dry Type	Additional Notes
Level 1											
1			12	12	28	12	4		1		Hallway
2			3	3	5	2	1	1		1	Rest Room
3			2	2	8	2					Rest Room
4		1	4	4	16	2					Office
5		1	6	6	24	2					Office
6			3	3	6			1			Office
7		2	12	12	48	10					Office
8	2	2	6	6	24	7					Office
9		1	2	2	8	1					Office
10			1	1	4	1					Communication
11		1	8	8	32	2					Office
12		3	8	8	34	5					Office
13		1	6	6	24	2					Office
14			1	1	2	2	1				Storage
Perimeter	1		12	12	24						N. Entrance
Roof		1						1			Roof
Totals	3	13	86	86	287	50	6	3	1	1	

Building 112

Bld # 112 Rm. #	HID Lights	CFC Equip.	Lt. Fix.	Lt. Fix. Ballast	Fluor. Bulbs	Sprink. Heads	Hyd. Door Closures	Motors W/ oil	Emerg Lts. Batteries	Trans. Dry Type	Additional Notes
Level 1											
1			3	3	12	2	1				Rest Room
2			4	4	16	2	1				Bresk Room
3							3				Entrance
4										2	Electrical
5			3	3	6	3					Control Center
6			14	14	54	8	1	1			Lab
7	6						2	2			Work Room
8	1							1			Work Room
9	1						1				Work Room
10	3		1	1	2	3	1				Hallway
11	4					4	1				Work Room
12	7						3	1			Ammonia Room
13	1										Work Room
14	1										Phosgene Room
15			2	2	4	3	2				Work Area
16			1	1	2	1	1	1			Work Area
17	4					4	2				Work Area
18	1					2	1				Work Area
19	4					5					Work Area
Perimeter	3	2								2	Perimeter
Roof	1	2						11			
Totals	37	4	28	28	96	37	20	17	0	4	

Building 113

Bld # 113 Rm. #	HID Lights	CFC Equip.	Lt. Fix.	Lt. Fix. Ballast	Fluor. Bulbs	Sprink. Heads	Hyd. Door Closures	Motors W/ oil	Emerg Lts. Batteries	Trans. Dry Type	Additional Notes
Level 1											
1		1	22	22	68		1	9	1	1	Storage Area
Upper 1							5	2			
Perimeter	1										
											Perimeter
Totals	1	1	22	22	68	0	6	11	1	1	

Building 114

Bld # 114 Rm. #	HID Lights	CFC Equip.	Lt. Fix.	Lt. Fix. Ballast	Fluor. Bulbs	Sprink. Heads	Hyd. Door Closures	Motors W/ oil	Emerg Lts. Batteries	Trans. Dry Type	Additional Notes
Level 1											
1						1	2	1			Entrance
1-MS			2	2	4	3					Stairway
2			5	5	10		2				Work Area
3			4	4	8	1	1				Work Area
4			8	8	16	2					Work Area
5			6	6	12	2	1				Work Area
6		1	7	7	14	2					Work Area
7	27				4	85		3			Work Area
8	11					20		7			Work Area
9			6	6	24	6					Work Area
10			14	14	42	4	4	4	2		Storage
11			4	4	8	4		2	2		Pipe Fitters
12											Work Area
13			2	2	4	2	1				Break Room
14			1	1	4	2					Rest Room
15			1	1	4	1		1			Parts Room
16	7							3			High Pressure
17	4					12	2	7	2		Manufacturing
18						3		1		1	Storage
19			1	1	2	3	2				Switch Room
20			6	6	12	3	1				Work Area
21			5	5	10	2	1				Rest Room
22			1	1	1						Storage
23			2	2	4	1	1	2			Work Area
Level 2											
1			2	2	4	2	2				Work Area
2			16	16	64	9			4		Lab
3			19	19	69	9			5		Lab
4			4	4	16	4	1	2	2		Lab
5			1	2			1		2	1	Storage
6	34					94	4	7			Manufacturing

Building 114

7			1	1	4	1	1				Manufacturing
8			2	2	8	1	5		2		Hallway
9			3	3	32	2				1	Office
10			2	2	8	1	1				Office
11			2	2	8	1	1				Office
12			2	2	8	1	1				Office
13			2	2	8	1	1				Office
14			2	2	8	1	1				Office
Level 3											
1			4	4	8	2	2		2		Hallway Landing
2		1	17	17	68	6			3		Lab
3			15	15	60	6	2			5	Lab
4			4	4	16	2		2	1		Storage
5			1	1	2		1			3	Storage
6	24				10	74	3	7			
SS 1-3	3					5	1	1	7		
Roof	2	2						11			Roof Area
Perimeter	5	4						1			
Totals	117	8	174	175	584	381	46	62	34	11	

Building 115

Bld # 115 Rm. #	HID Lights	CFC Equip.	Lt. Fix.	Lt. Fix. Ballast	Fluor. Bulbs	Sprink. Heads	Hyd. Door Closures	Motors W/ oil	Emerg Lts. Batteries	Trans. Dry Type	Additional Notes
Level 1											
1&2			18	18	36	40					In use
3			1	1	2	2	1		1	1	In use
Perimeter	3										Outside
Roof											
Totals	3	0	19	19	38	42	1	0	1	1	

TANK FARM

Bld # Rm. #	HID Lights	CFC Equip.	Lt. Fix.	Lt. Fix. Ballast	Fluor. Bulbs	Sprink. Heads	Hyd. Door Closures	Motors W/ oil	Emerg Lts. Batteries	Trans. Dry Type	Additional Notes
Cylinder	Farm	East of	114								
Bay 1	6							2			
Bay 2	3										
Bay 3	1										
Bay 4	4										
Totals	14	0	0	0	0	0	0	2	0	0	

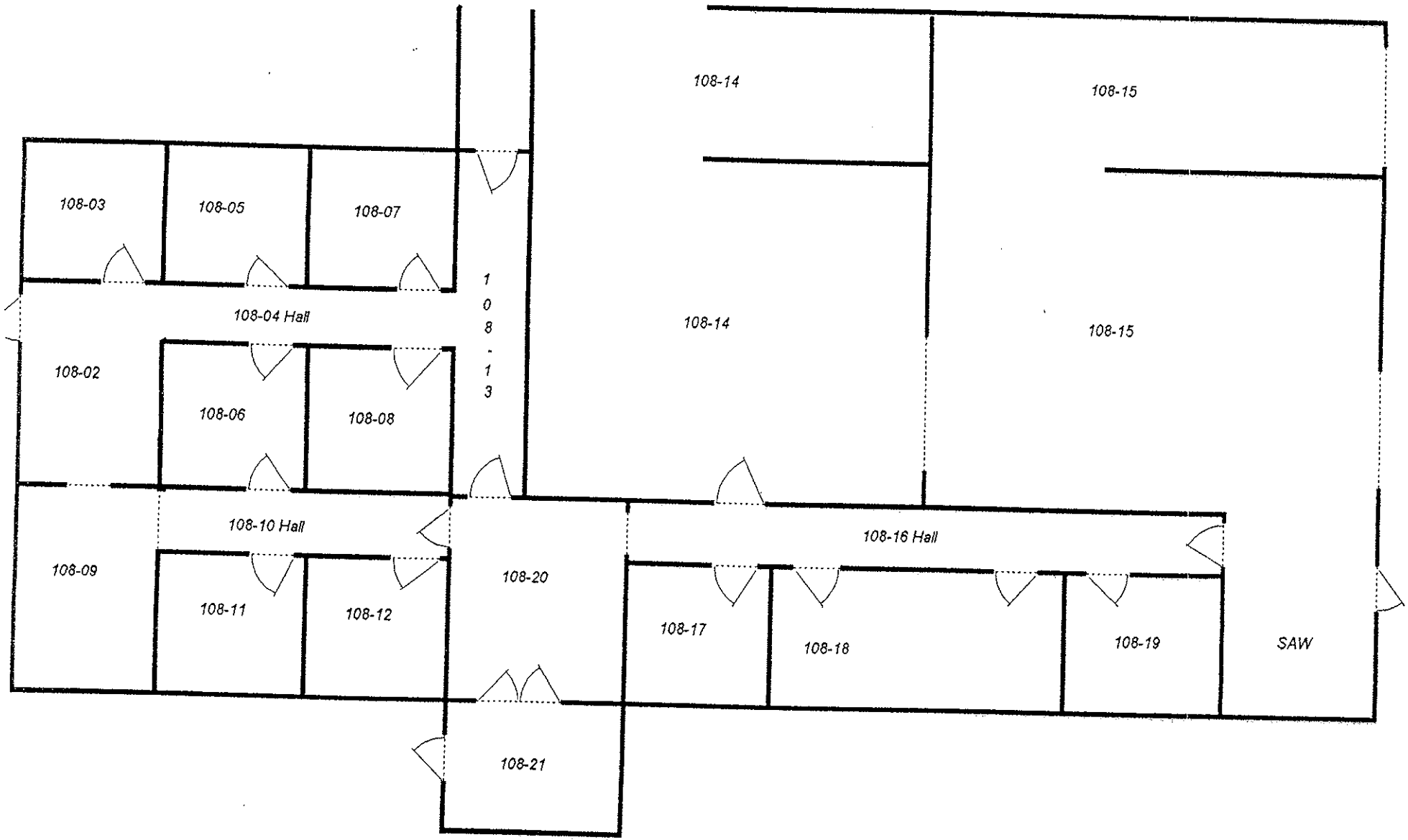
Tank	Farm	West of	114
Empty			

V. Appendix B

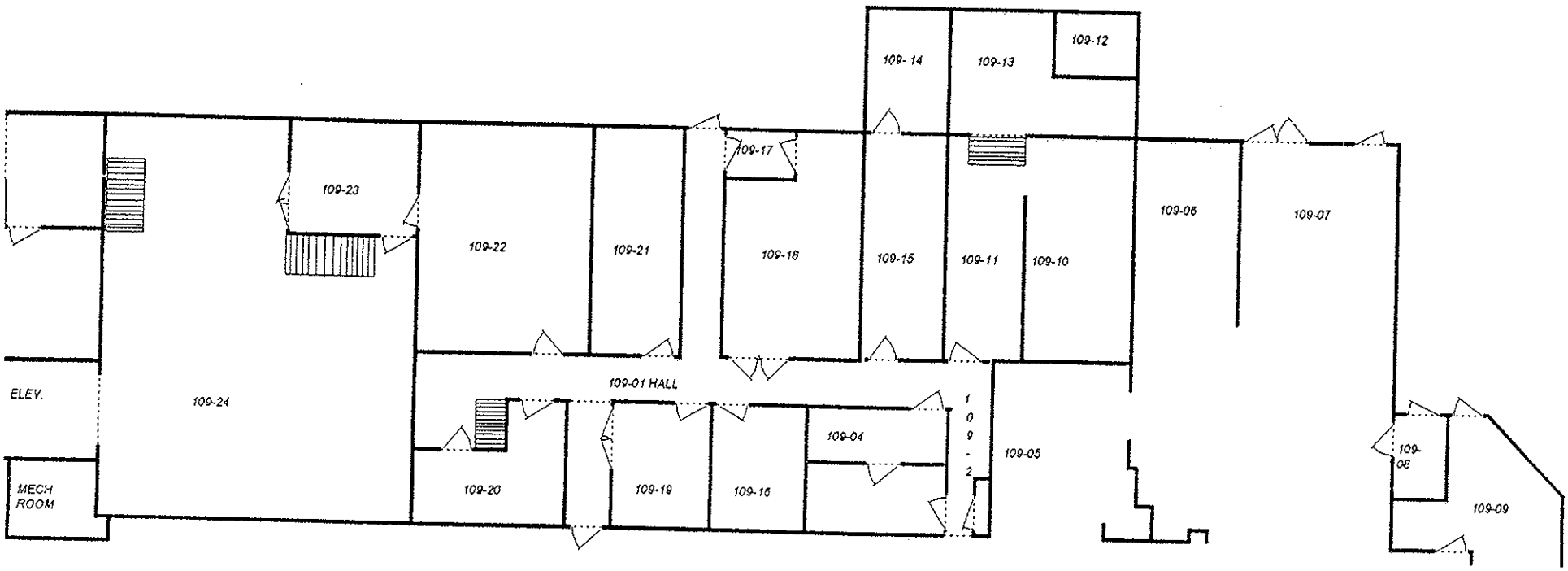
Maps

BUILDING 107

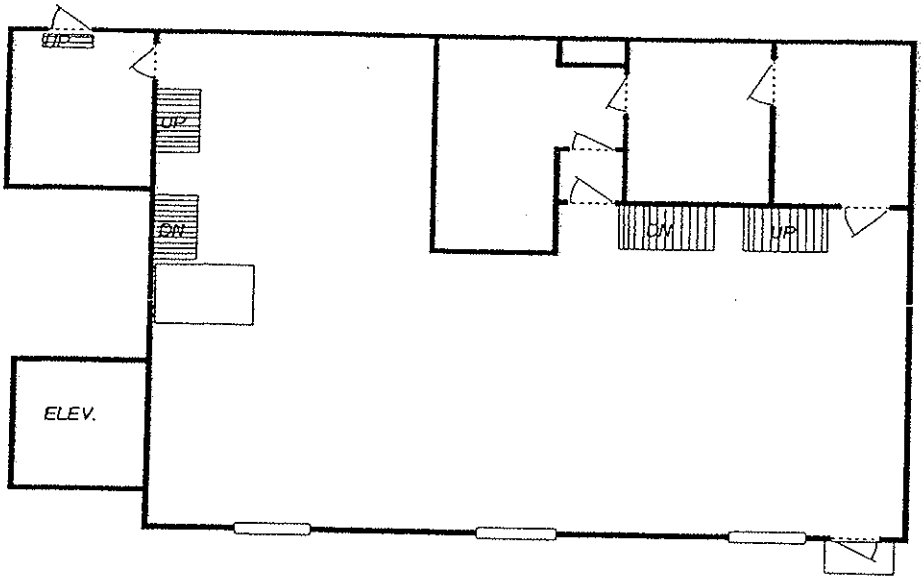
BUILDING 108



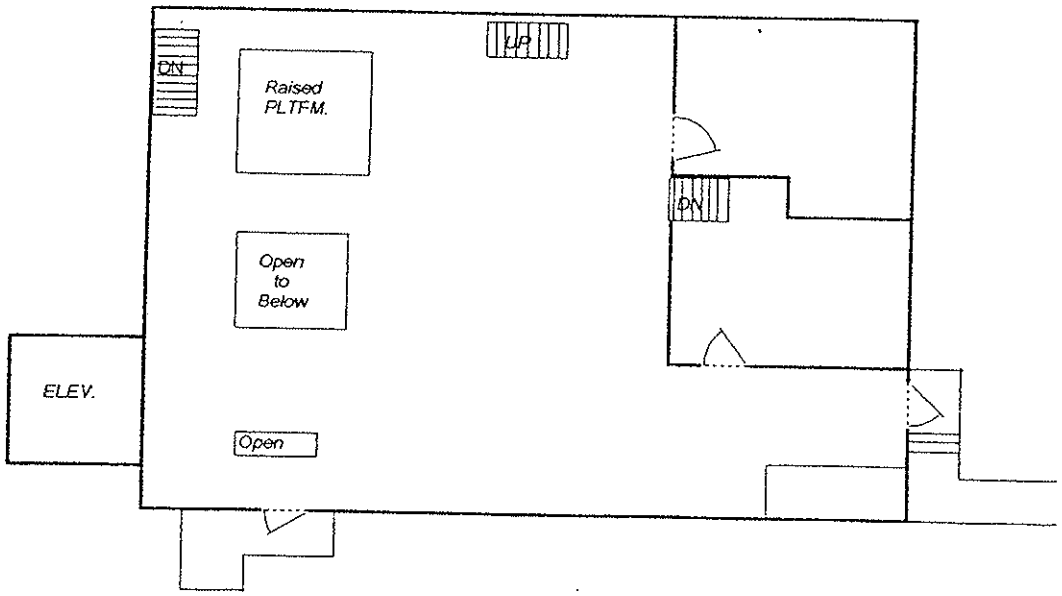
BUILDING 109 1ST FLOOR



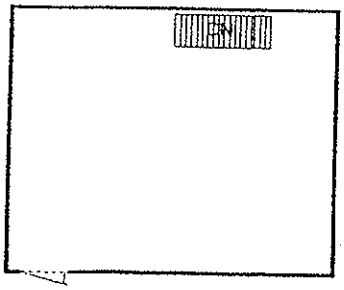
BUILDING 109
2ND FLOOR



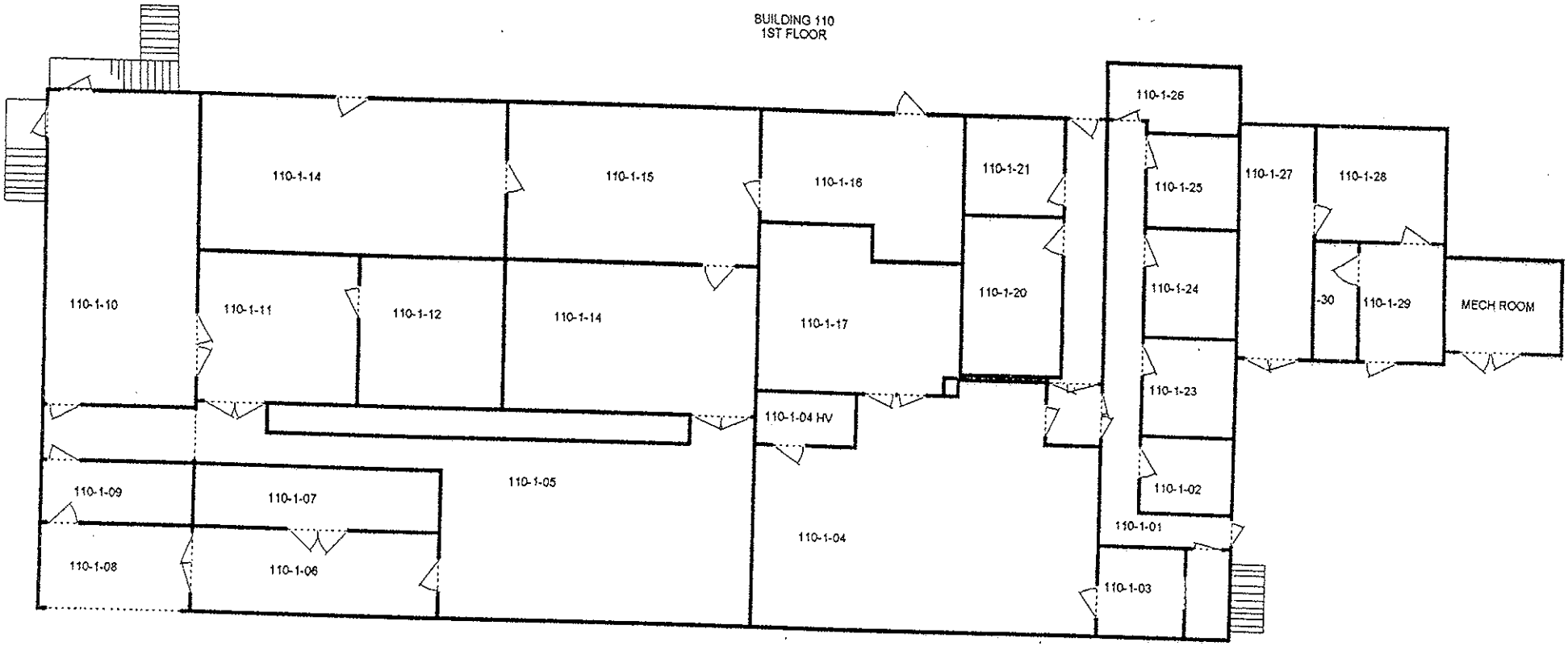
3RD FLOOR



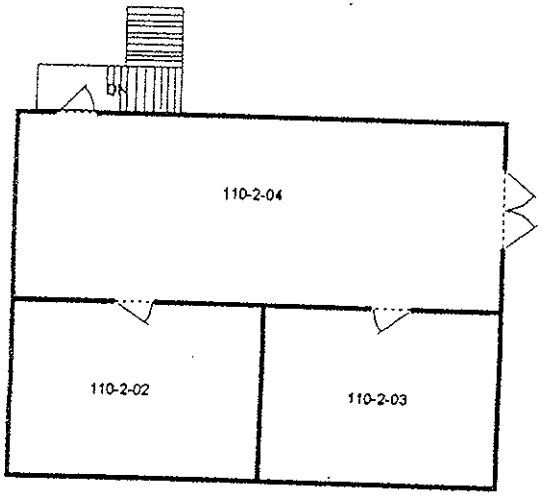
PENTHOUSE PLAN



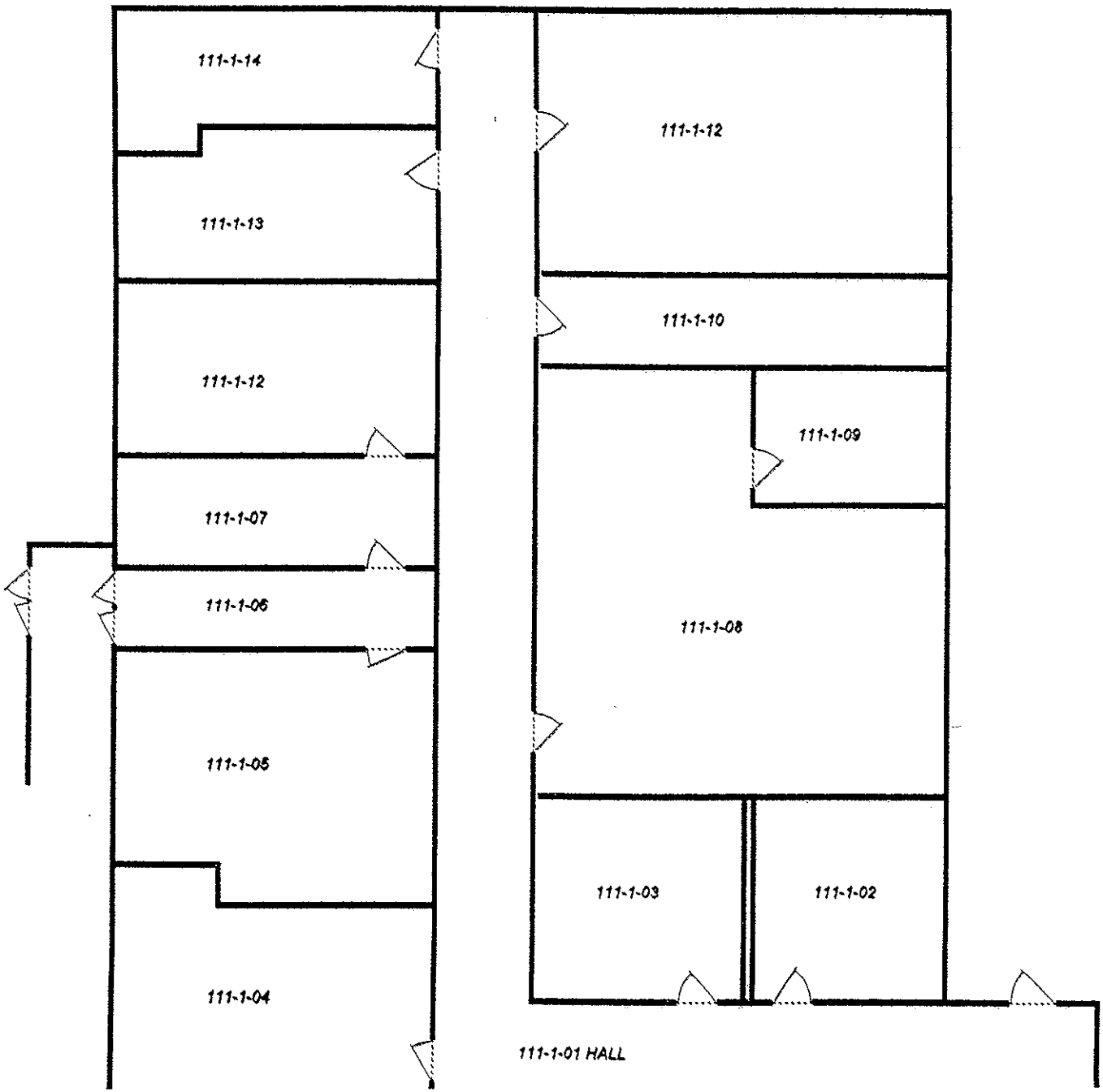
BUILDING 110
1ST FLOOR



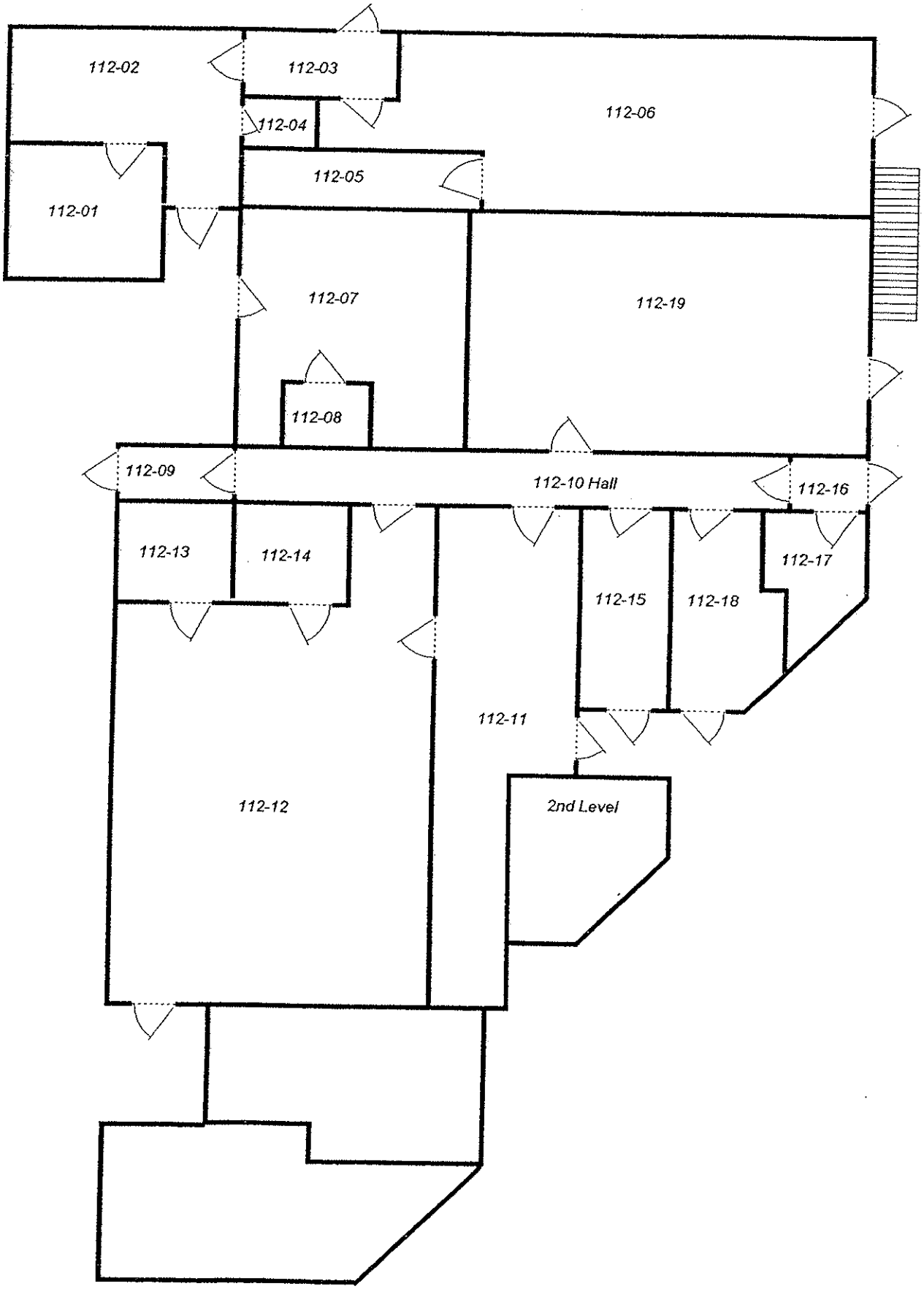
BUILDING
110
2ND FLOOR



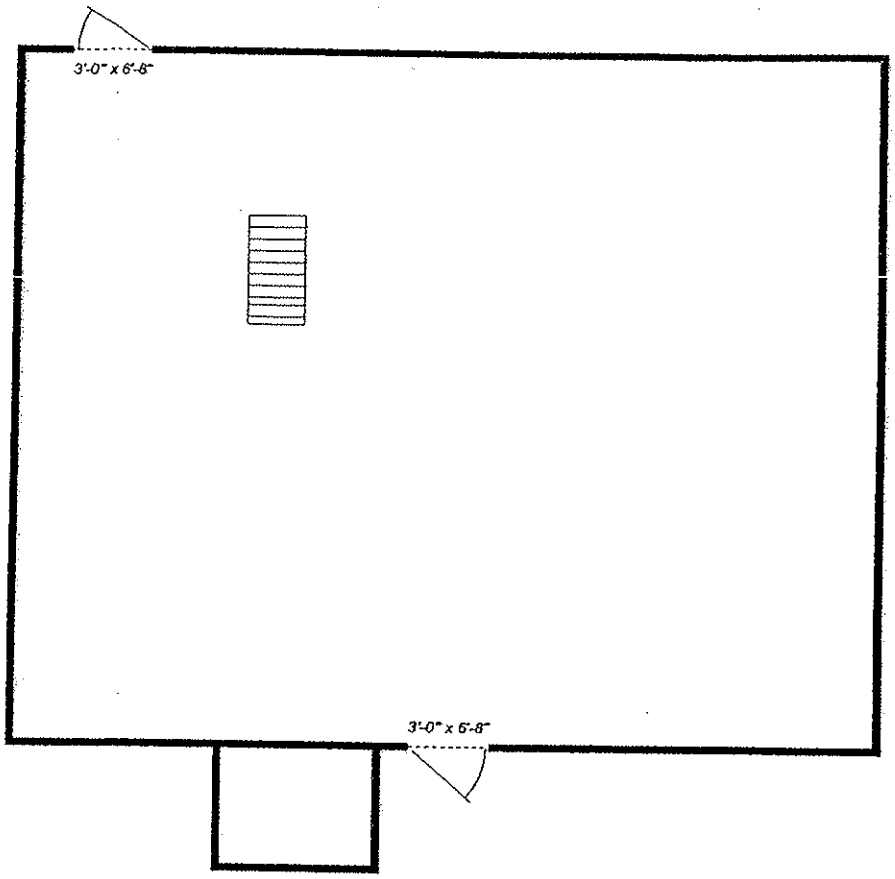
BUILDING 111



BUILDING 112



BUILDING 113 1ST FLOOR



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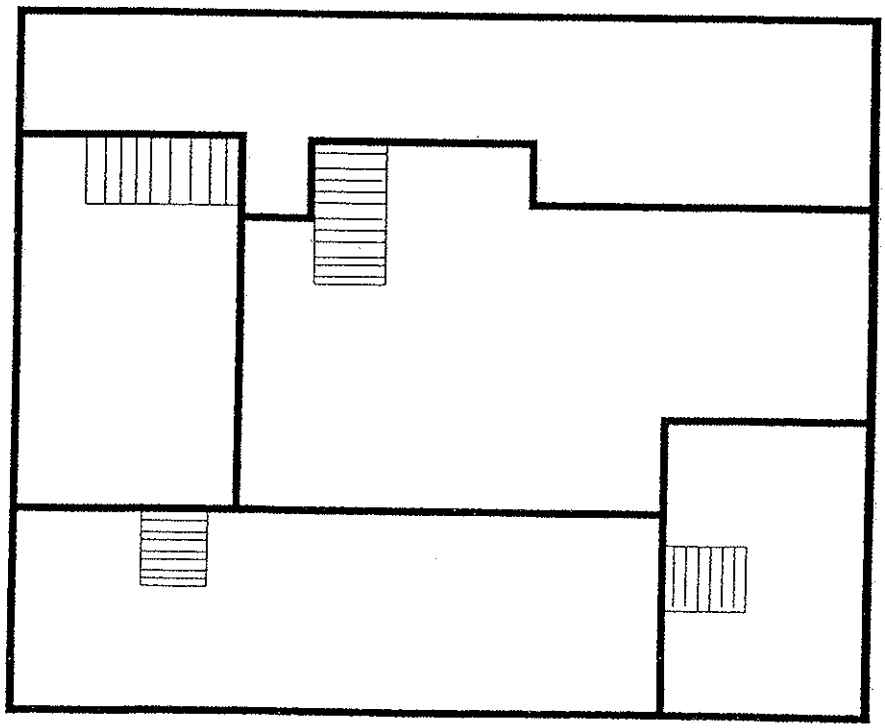
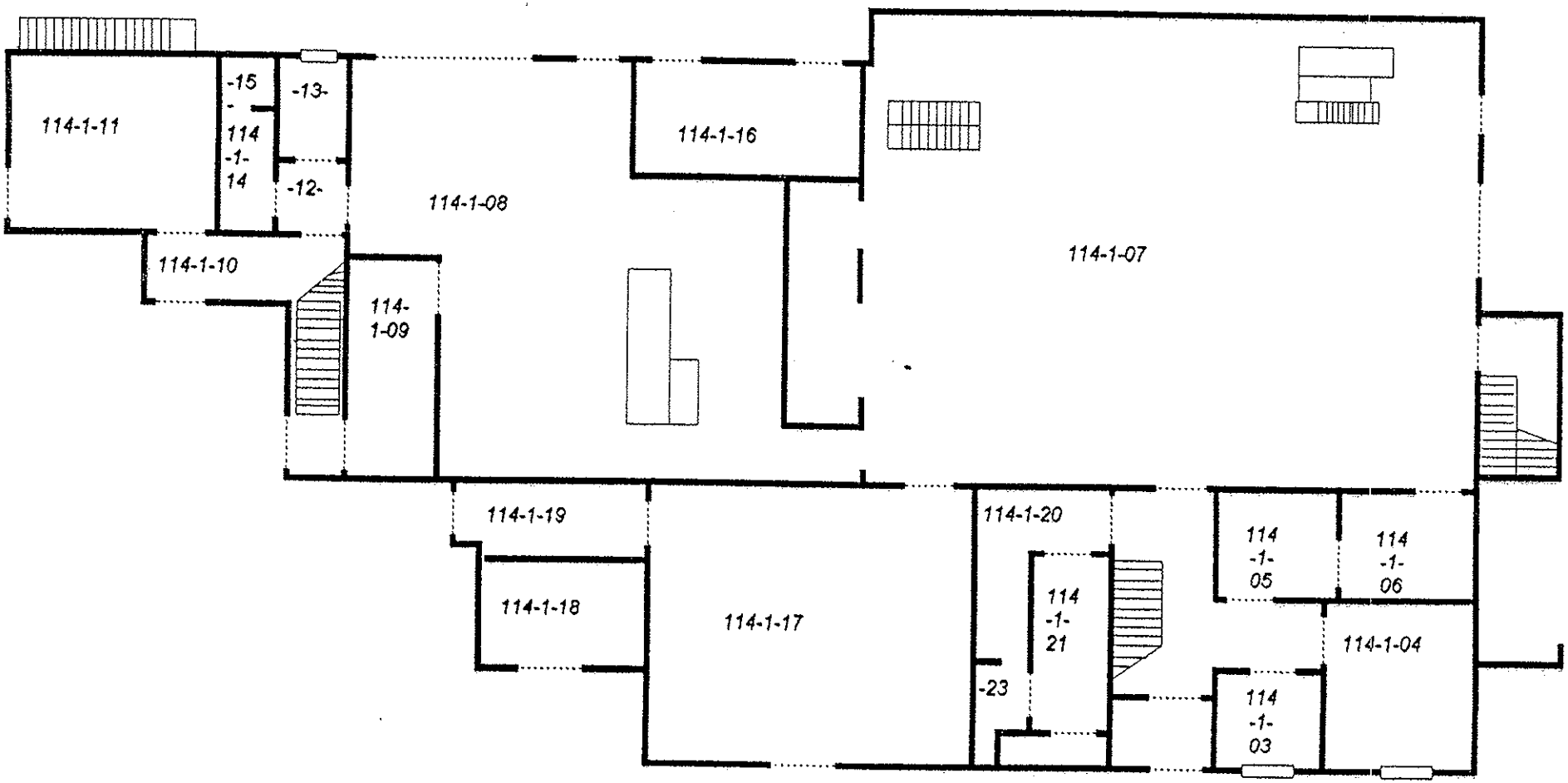
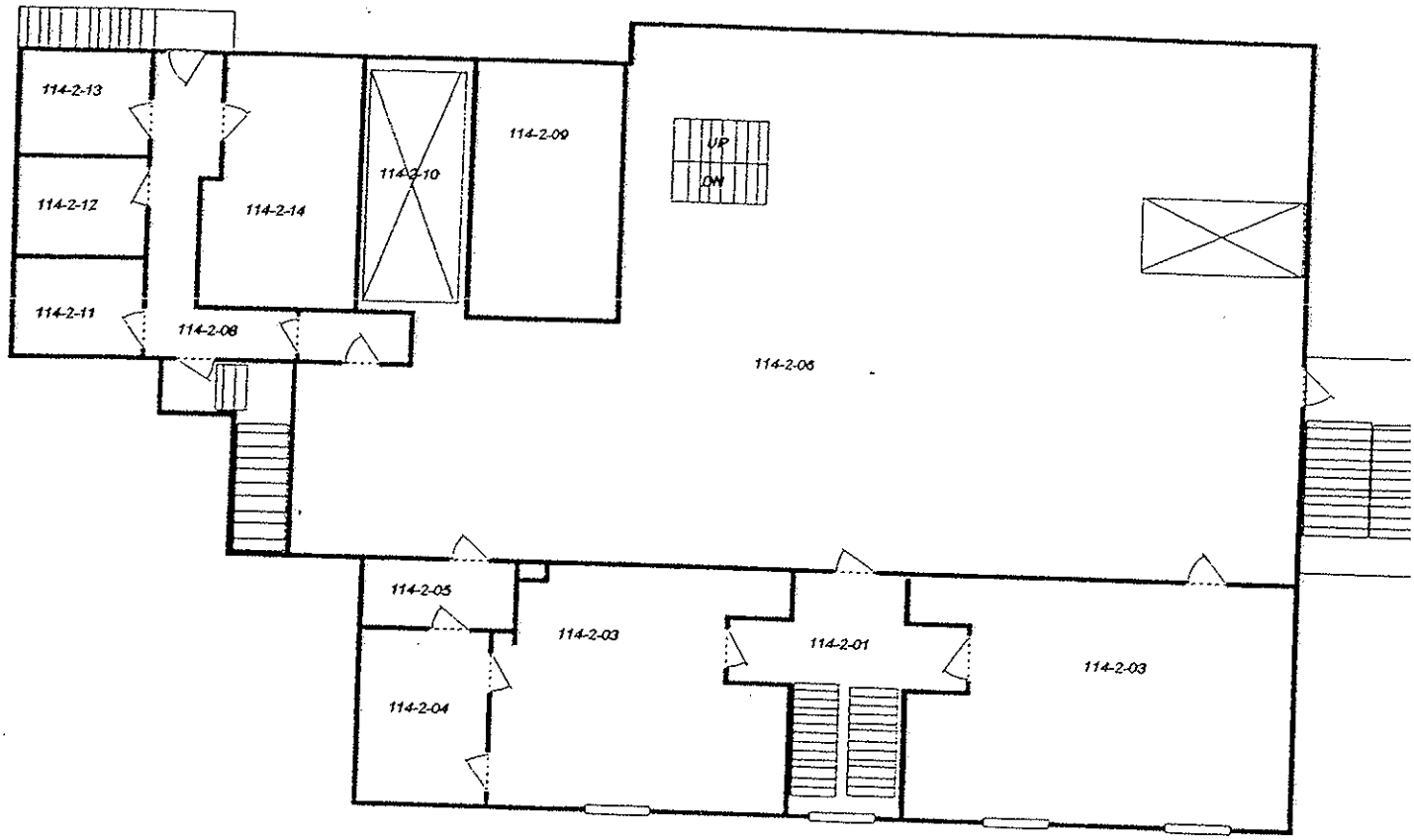


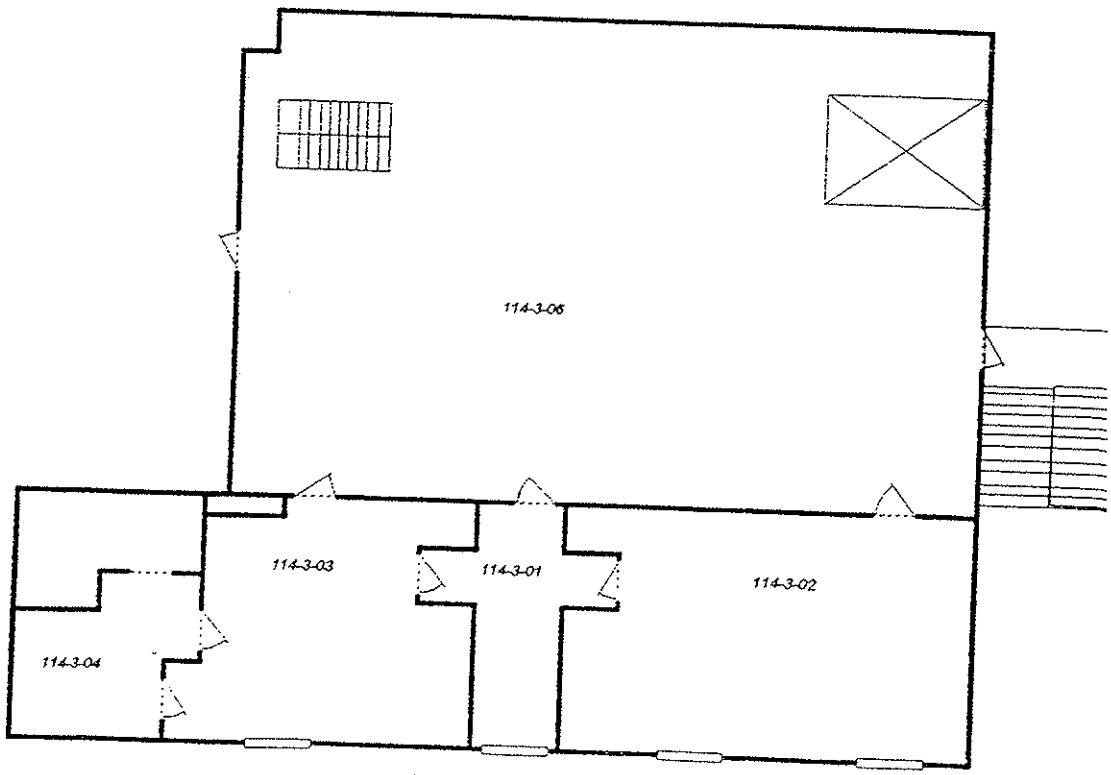
BUILDING 114 1ST FLOOR



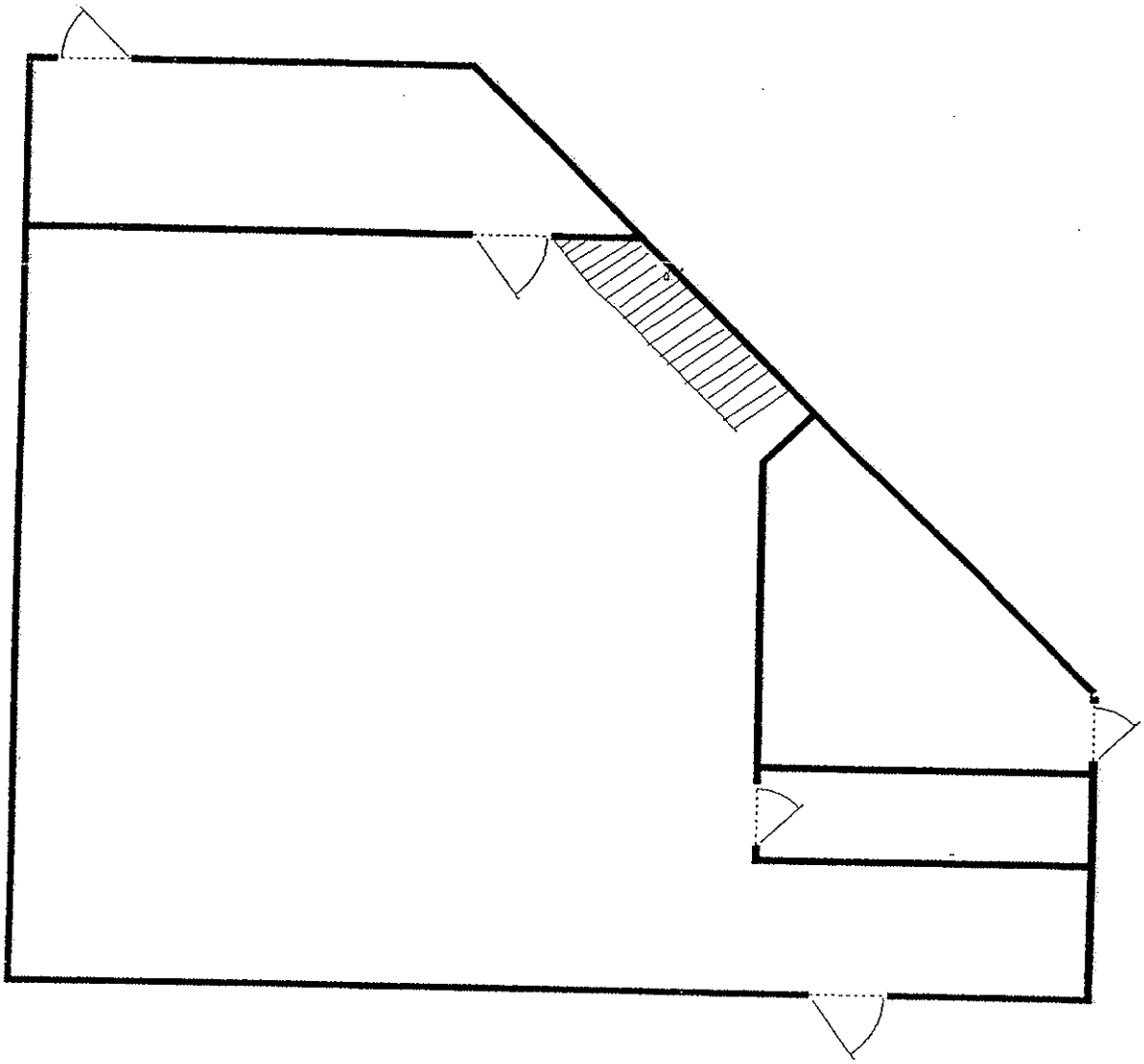
BUILDING 114 2ND FLOOR



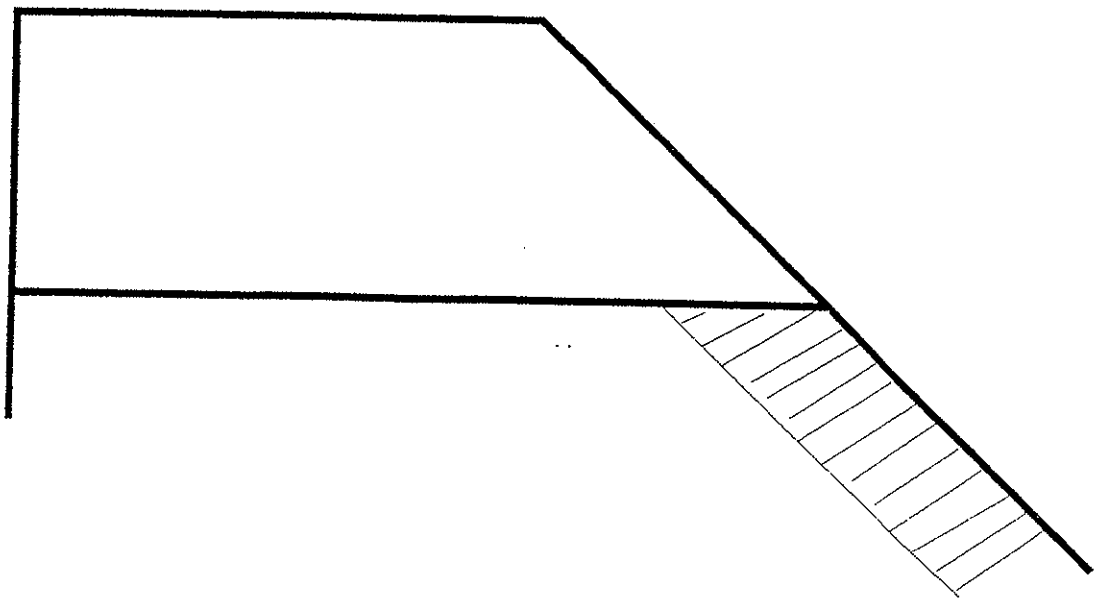
3RD FLOOR



BUILDING 115 1ST FLOOR



MEZZANINE



Appendix C

Asbestos and Lead Inspection Report

BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

AMERISCI

AmeriSci Boston
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Edwad Kolodziej
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/24/04
Date Examined 11/30/04
AmeriSci Job No.504111415
P.O. # 05-81-0015

RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 108

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
108-28A	504111415-11	*No*	NAD

Location: 108-15
Description: Grey, Homogeneous, Window Caulking
Asbestos Types:
Other Material: Fibrous glass 2. %, Non-fibrous 98. %

108-28B	504111415-12	*No*	NAD

Location: 108-13
Description: Grey, Homogeneous, Window Caulking
Asbestos Types:
Other Material: Fibrous glass 2. %, Non-fibrous 98. %

108-29A	504111415-13	*Yes*	< 1.%

Location: 108-14
Description: Grey, Homogeneous, Levelastic
Asbestos Types: Chrysotile Trace
Other Material: Non-fibrous 100. %
Comment: Trace Result Due To Contamination From What Appears To Be Linoleum Backing.

108-29B	504111415-14	*No*	NAD

Location: 108-14
Description: Red, Homogeneous, Levelastic
Asbestos Types:
Other Material: Non-fibrous 100. %

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P.O. # 05-81-0015

RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 108

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
108-30A	504111415-15	*No*	NAD

Location: 108-21
Description: Grey, Homogeneous, Autoclave Insulation
Asbestos Types:
Other Material: Cellulose 15. %, Fibrous glass 10. %, Non-fibrous 75. %

108-30B	504111415-16	*No*	NAD

Location: 108-21
Description: Grey, Homogeneous, Autoclave Insulation
Asbestos Types:
Other Material: Cellulose 15. %, Fibrous glass 10. %, Non-fibrous 75. %

108-30C	504111415-17	*No*	NAD

Location: 108-21
Description: Grey, Homogeneous, Autoclave Insulation
Asbestos Types:
Other Material: Cellulose 15. %, Fibrous glass 10. %, Non-fibrous 75. %

108-31A	504111415-18	*No*	NAD

Location: 108-18
Description: Yellow, Homogeneous, Wood Panel Adhesive
Asbestos Types:
Other Material: Non-fibrous 100. %

108-32A	504111415-19	*No*	NAD

Location: 108-20
Description: Brown, Homogeneous, Covebase (Brown)
Asbestos Types:
Other Material: Non-fibrous 100. %

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AmeriSci Job No.504111415
P.O. # 05-81-0015

RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 108

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
108-32B	504111415-20	*No*	NAD

Location: 108-14
Description: Brown, Homogeneous, Covebase (Brown)
Asbestos Types:
Other Material: Non-fibrous 100. %

108-33A	504111415-21	*No*	NAD

Location: 108-20
Description: Off-White/Brown, Homogeneous, Mastic Under Covebase (Brn)
Asbestos Types:
Other Material: Non-fibrous 100. %

108-33B	504111415-22	*No*	NAD

Location: 108-14
Description: Off-White, Homogeneous, Mastic Under Covebase (Brn)
Asbestos Types:
Other Material: Non-fibrous 100. %

108-34A	504111415-23	*No*	NAD

Location: 108-17
Description: Black, Homogeneous, Covebase (Black)
Asbestos Types:
Other Material: Non-fibrous 100. %

108-35A	504111415-24	*No*	NAD

Location: 108-17
Description: Off-White, Homogeneous, Mastic Under Covebase (Blk)
Asbestos Types:
Other Material: Non-fibrous 100. %

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Date Examined 11/30/04

AmeriSci Job No.504111415
P.O. # 05-81-0015

RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 108

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
108-36A	504111415-25	*Yes*	7 %

Location: 108-17

Description: Brown, Homogeneous, 9"x9" VFT (Brown Speckled)
Asbestos Types: Chrysotile 7. %
Other Material: Non-fibrous 93. %

108-36B	504111415-26	*Yes*	7 %

Location: 108-15

Description: Brown, Homogeneous, 9"x9" VFT (Brown Speckled)
Asbestos Types: Chrysotile 7. %
Other Material: Non-fibrous 93. %

108-37A	504111415-27	*No*	NAD

Location: 108-15

Description: Black, Homogeneous, Mastic Under 9x9 FT (Brn)
Asbestos Types:
Other Material: Non-fibrous 100. %

108-37B	504111415-28	*No*	NAD

Location: 108-15

Description: Black, Homogeneous, Mastic Under 9x9 FT (Brn)
Asbestos Types:
Other Material: Non-fibrous 100. %

108-38A	504111415-29	*Yes*	5 %

Location: 108-19

Description: Green, Homogeneous, 9"x9" FT (Green)
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

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PLM Bulk Asbestos Report

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Attn: Edwad Kolodziej
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/24/04
Date Examined 11/30/04
AmeriSci Job No.504111415
P.O. # 05-81-0015

RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 108

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
108-38B	504111415-30	*Yes*	5 %

Location: 108-16
Description: Green, Homogeneous, 9"x9" FT (Green)
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

108-39A	504111415-31	*Yes*	10 %

Location: 108-19
Description: Black, Homogeneous, Mastic Under 9x9 VFT (Green)
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

108-39B	504111415-32	*Yes*	10 %

Location: 108-16
Description: Black, Homogeneous, Mastic Under 9x9 VFT (Green)
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

108-40A	504111415-33	*No*	NAD

Location: 108-15
Description: Yellow, Homogeneous, Corner Guard Adhesive
Asbestos Types:
Other Material: Non-fibrous 100. %

108-41A	504111415-34	*No*	NAD

Location: 108-20
Description: Brown, Homogeneous, 9"x9" VFT (Tan/White)
Asbestos Types:
Other Material: Non-fibrous 100. %

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Edwad Kolodziej
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/24/04
Date Examined 11/30/04

AmeriSci Job No.504111415
P.O. # 05-81-0015

RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 108

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
108-41B	504111415-35	*No*	NAD

Location: 108-14
Description: Brown, Homogeneous, 9"x9" VFT (Tan/White)
Asbestos Types:
Other Material: Non-fibrous 100. %

108-42A	504111415-36	*No*	NAD

Location: 108-20
Description: Yellow, Homogeneous, Mastic Under 9x9 VFT (Tan)
Asbestos Types:
Other Material: Non-fibrous 100. %

108-42B	504111415-37	*No*	NAD

Location: 108-14
Description: Yellow, Homogeneous, Mastic Under 9x9 VFT (Tan)
Asbestos Types:
Other Material: Non-fibrous 100. %

108-43A	504111415-38	*Yes*	20 %

Location: 108-14
Description: Green/Grey, Homogeneous, Sheet Flooring (Green)
Asbestos Types: Chrysotile 20. %
Other Material: Non-fibrous 80. %

108-43B	504111415-39	*Yes*	20 %

Location: 108-14
Description: Green/Grey, Homogeneous, Sheet Flooring (Green)
Asbestos Types: Chrysotile 20. %
Other Material: Non-fibrous 80. %

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8 SCHOOL STREET
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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Edwad Kolodziej
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/24/04 **AmeriSci Job No.**504111415
Date Examined 11/30/04 **P.O. #** 05-81-0015
Page 9 **of** 9
RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 108

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
108-44A	504111415-40	*No*	NAD

Location: 108-15
Description: Grey, Homogeneous, Autoclave Insulation
Asbestos Types:
Other Material: Cellulose 15. %, Fibrous glass 10. %, Non-fibrous 75. %

108-44B	504111415-41	*No*	NAD

Location: 108-15
Description: Grey, Homogeneous, Autoclave Insulation
Asbestos Types:
Other Material: Cellulose 15. %, Fibrous glass 10. %, Non-fibrous 75. %

108-44C	504111415-42	*No*	NAD

Location: 108-15
Description: Grey, Homogeneous, Autoclave Insulation
Asbestos Types:
Other Material: Cellulose 15. %, Fibrous glass 10. %, Non-fibrous 75. %

Reporting Notes:

Analyzed by: Steven P. Grise ; Date Analyzed: 11/30/04
*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.
Reviewed By:

AMERI SCI

AmeriSci Boston
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/06/04
Date Examined 12/11/04

AmeriSci Job No.504121105
P.O. # 05-81-0015
Page 1 **of** 2

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 108 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
108-EXT-01A	504121105-01	*No*	NAD
Location: Roof A			
Description: Black, Homogeneous, Tar on Steel Deck			
Asbestos Types:			
Other Material: Non-fibrous 100. %			
108-EXT-01B	504121105-02	*No*	NAD
Location: Roof B			
Description: Black, Homogeneous, Tar on Steel Deck			
Asbestos Types:			
Other Material: Non-fibrous 100. %			
108-EXT-01C	504121105-03	*No*	NAD
Location: Roof C			
Description: Black, Homogeneous, Tar on Steel Deck			
Asbestos Types:			
Other Material: Non-fibrous 100. %			
108-EXT-02A	504121105-04	*No*	NAD
Location: Roof A, Under Rubber			
Description: Red, Homogeneous, Adhesive on Foam Insulation			
Asbestos Types:			
Other Material: Non-fibrous 100. %			
108-EXT-003A	504121105-05	*No*	NAD
Location: Roof, Under Rubber			
Description: Red, Homogeneous, Adhesive on Wood Flashing			
Asbestos Types:			
Other Material: Non-fibrous 100. %			

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/06/04 **AmeriSci Job No.**504121105
Date Examined 12/11/04 **P.O. #** 05-81-0015
Page 2 **of** 2

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 108 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
108-EXT-04A	504121105-06	*Yes*	10 %

Location: Roof

Description: Black, Homogeneous, Flashing Cement (Old)
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

Reporting Notes:

Analyzed by: John A. Burns JAB ; Date Analyzed: 12/11/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: _____

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/09/04
Date Examined 12/14/04

AmeriSci Job No.504121177
P.O. # 05-81-0015
Page 1 **of** 3

RE 81.01398.0042; GE Blds. 107-115; GE Pittsfield

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
108X-01A	504121177-01	*No*	NAD
1	**Location:** Bldg. 108 Exterior		
	Description: Beige, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
108X-01B	504121177-02	*No*	NAD
1	**Location:** Bldg. 108 Exterior		
	Description: Beige, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
108X-01C	504121177-03	*No*	NAD
1	**Location:** Bldg. 108 Exterior		
	Description: Beige, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
108X-01D	504121177-04	*No*	NAD
1	**Location:** Bldg. 108 Exterior		
	Description: Beige, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
108X-01E	504121177-05	*No*	NAD
1	**Location:** Bldg. 108 Exterior		
	Description: Beige, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/09/04 **AmeriSci Job No.**504121177
Date Examined 12/14/04 **P.O. #** 05-81-0015
Page 2 **of** 3
RE 81.01398.0042; GE Blds. 107-115; GE Pittsfield

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
108X-02A	504121177-06	*No*	NAD
2	**Location:** Bldg. 108 Exterior		
	Description: Grey, Homogeneous, Window Caulking		
	Asbestos Types:		
	Other Material: Fibrous glass 2. %, Non-fibrous 98. %		
108X-02B	504121177-07	*No*	NAD
2	**Location:** Bldg. 108 Exterior		
	Description: Grey, Homogeneous, Window Caulking		
	Asbestos Types:		
	Other Material: Fibrous glass 2. %, Non-fibrous 98. %		
108X-03A	504121177-08	*No*	NAD
3	**Location:** Bldg. 108 Exterior		
	Description: Off-White, Homogeneous, Wall Crack Caulking		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
108X-04A	504121177-09	*No*	NAD
4	**Location:** Bldg. 108 Exterior		
	Description: Off-White, Homogeneous, Door Frame Caulking		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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PLM Bulk Asbestos Report

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39 Spruce Street
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East Longmeadow, MA 01028

Date Received 12/09/04
Date Examined 12/14/04

AmeriSci Job No.504121177
P.O. # 05-81-0015
Page 3 **of** 3

RE 81.01398.0042; GE Blds. 107-115; GE Pittsfield

Reporting Notes:

Analyzed by: Steven P. Grise SPG ; Date Analyzed: 12/14/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: _____

Relinquished by:	Greg Morsch	Date/Time:	
Received by:	Angela Magadi	Date/Time:	11/17/04 10:00
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

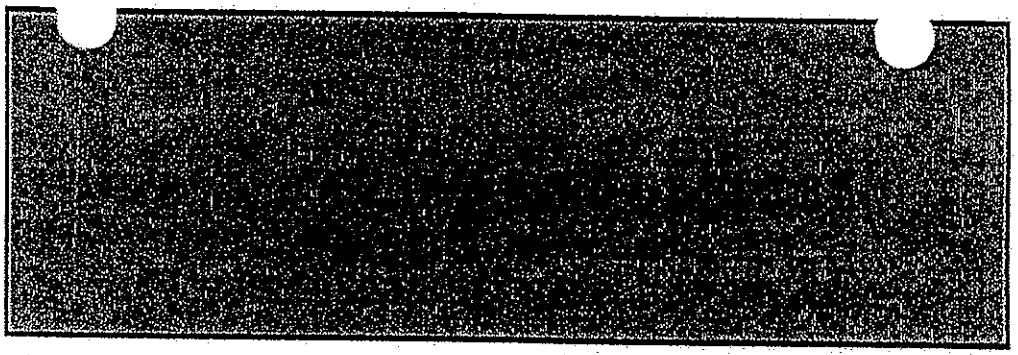
Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Phone: (413) 525-2332

Fax: (413) 525-8227



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Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Project Name: GE Bldgs 107 - 115

Project Address: GE Pittsfield

Project Manager: [redacted] D. Wissman

Project Number: TBA

Sampled by: Greg Morsch Date: 11/15/04

Special Instructions or Comments: Separate mastic and adhesives from tiles, carpets, cove base, may require TEM confirmations by NOB method.

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

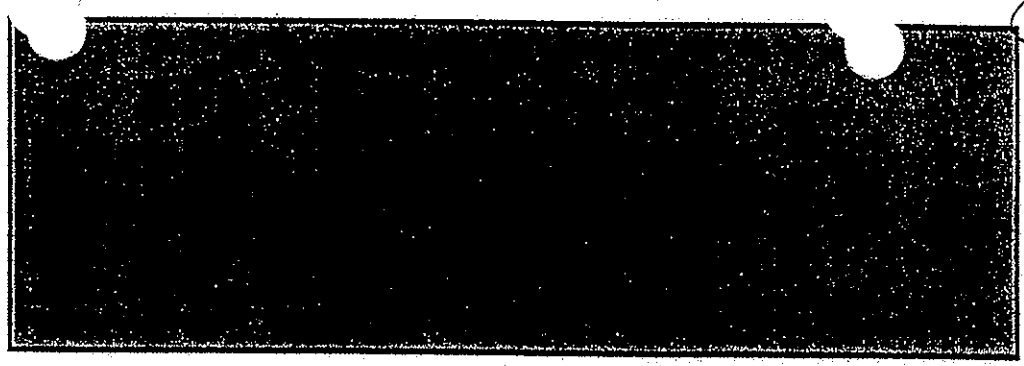
Fax Copy by:

Return Samples: Yes No

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	108-01A	Bldg 108: Room 108-01	Carpet adhesive	1
	108-02A	Room 108-01	Door frame caulking	2
	~~108-02B~~	" "	" "	~~2~~
	108-03A	Room 108-01	Ceiling Caulking	3
	108-04A	Room 108-03	2x4 Sus ceiling tile	4
	108-04B	Room 108-10 Hallway	2x4 Sus ceiling tile	4
	108-05A	Room 108-06	9x9 Brown floor tile	5
	108-06A	Rm 108-06	Floor tile mastic	6
		Lab Note: Separate mastic from tiles		
	108-07A	Room 108-03	mastic on gray cove base	7
	108-08A	Room 108-~~04~~ 04	Yellow adhesive on ~~gray~~ black cove base	8
	108-09A	Room 108-09	Brown mastic on brown cove base	9

(2)

Relinquished by:	Greg Morsch	Date/Time:	
Received by:	Angela Magnoli	Date/Time:	11/17/04 10:00
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	



Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Phone: (413) 525-1198

Fax: (413) 525-8227

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Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Jacks~~ D. Wissman

Project Number: TBA

Sampled by: Greg Morsch Date: 11/15/04

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Special Instructions or Comments:

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	108-11A	Room 108-03	Old window glazing	11
	108-11B	Room 108-05	" " "	11
	108-12A	Room 108-11 Men's Rm	Gray ceramic wall tile grout	12
	108-13A	" " " "	White ceramic wall tile grout	13
	108-14A	" " " "	Ceramic floor tile grout	14
	108-15A	" " " "	Ceramic floor tile adhesive	15
	108-16A	" " " "	Glass block window caulking	16
	108-17A	Room 108-06	Sheetrock	17
	108-18A	" " "	Joint Compound	18
	108-10B	Room 108-02	Tan mastic on black cove base	10
	108-19A	Room 108-03	Carpet adhesive	19
	108-17B	Room 108-all walls	Sheetrock	17

(3)

Relinquished by:	Greg Morsch	Date/Time:	
Received by:	Angela Magnoli	Date/Time:	11/17/04 10:00
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

[redacted]

Company Name: ATC Associates, Inc.

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[redacted]

Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Lesko~~ D. Wissman

Project Number: TBA

Sampled by: Greg Morsch Date: 11/15/04

Special Instructions or Comments:

Analysis Type: PLM & TEM

Positive Stop: Yes No

Turnaround Time:

Fax Copy by:

Return Samples: Yes No

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	108-13B	Room 108-12 Women's Rm	White ceramic wall tile grout	13
	108-20A	" " " " "	Ceramic wall tile grout behind tiles	20
	108-14B	" " " " "	Ceramic floor tile grout	14
	108-15B	" " " " "	Ceramic floor tile adhesive	15
	108-16B	" " " " "	Caulking on glass block window	16
	108-21A	Room 108-03	Joint compound skim coat on wall	21
	108-21B	Room 108-09	" " " " "	21
	108-05B	Room 108-03	9x9 floor tile	5
	108-06B	" " "	Floor tile mastic	6
	—— *	Lab Note: Separate mastic (black) from tile		—
	108-21C	Room 108-02	Joint compound skim coat on wall	21

5041114.5

Relinquished by:		Date/Time: 11/23/04	
Received by:		Date/Time: 11/24/04 10	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	

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Project Name:	GE Plastics Bldgs. 107-115				
Project Number:	81.01398.0042				
Project Address:	Bldg. 108				
Analysis Type:	PLM	Sampled By:	Edward Kolodziej		Date: 11/16/04
Positive Stop:	No	Project Manager:	Derrick Wissman		
Turnaround Time	5 Days	Results To:	Edward Kolodziej		
Fax Copy By:	413-525-8227			Emergency Pager:	
Hard Copy By:	413-525-1198			Additional Fax No.	
Special Instructions or Comments					

Lab ID	Field ID	Location	Sample Description
	108-22A	108-14	2' x 4' White SCT (Plain)
	108-22B	108-14	2' x 4' White SCT (Plain)
	108-23A	108-14	Sheetrock
	108-23B	108-18	Sheetrock
	108-24A	108-14	Joint Compound
	108-24B	108-18	Joint Compound
	108-25A	108-13	2' x 2' White SCT
	108-25B	108-13	2' x 2' White SCT
	108-26A	108-14	Door Caulking
	108-27A	108-18	Sink Undercoat
	108-28A	108-15	Window Caulking
	108-28B	108-13	Window Caulking
	108-29A	108-14	Levelastic
	108-29B	108-14	Levelastic
	108-30A	108-21	Autoclave Insulation
	108-30B	108-21	Autoclave Insulation
	108-30C	108-21	Autoclave Insulation

5041114 15

Relinquished by:		Date/Time: 11/29/04	[redacted]
Received by:		Date/Time: 11/29/04 10	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Project Name:	GE Plastics Bldgs. 107-115		
Project Number:	81.01398.0042		
Project Address:	Bldg. 108		

[redacted]

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date: 11/16/04
Positive Stop:	No	Project Manager:	Derrick Wissman	
Turnaround Time	5 Days	Results To:	Edward Kolodziej	
Fax Copy By:	413-525-8227		Emergency Pager:	
Hard Copy By:	413-525-1198		Additional Fax No.	

Special Instructions or Comments

Lab ID	Field ID	Location	Sample Description
	108-31A	108-18	Wood Panel Adhesive
	108-32A	108-20	Brown Cove Base
	108-32B	108-14	Brown Cove Base
	108-33A	108-20	Mastic under Brown Cove Base
	108-33B	108-14	Mastic under Brown Cove Base
	108-34A	108-17	Black Cove Base
	108-35A	108-17	Mastic under Black Cove Base
	108-36A	108-15	9" x 9" Brown Speckled VFT
	108-36B	108-15	9" x 9" Brown Speckled VFT
	108-37A	108-15	Mastic under 9" x 9" Brown Speckled VFT
	108-37B	108-15	Mastic under 9" x 9" Brown Speckled VFT
	108-38A	108-19	9" x 9" Green VFT
	108-38B	108-16	9" x 9" Green VFT
	108-39A	108-19	Mastic under 9" x 9" Green VFT
	108-39B	108-16	Mastic under 9" x 9" Green VFT
	108-40A	108-15	Corner Guard Adhesive
	108-41A	108-20	9" x 9" Tan w/White & Brown Streaks VFT

50411141

Relinquished by:		Date/Time:	11/23/04
Received by:		Date/Time:	11/24/04 1030
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Project Name:	GE Plastics Bldgs. 107-115		
Project Number:	81.01398.0042		
Project Address:	Bldg. 108		

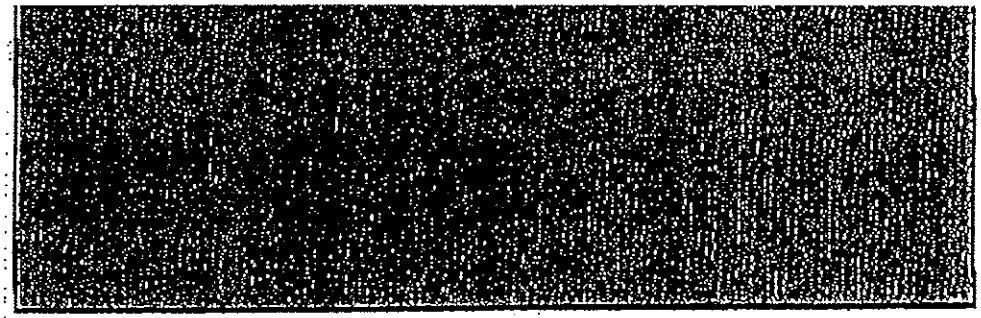
SCITEK AB

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Analysis Type:	PLM	Sampled By:	Edward Kolodziej		Date: 11/16/04
Positive Stop:	No	Project Manager:	Derrick Wissman		
Turnaround Time	5 Days	Results To:	Edward Kolodziej		
Fax Copy By:	413-525-8227			Emergency Pager:	
Hard Copy By:	413-525-1198			Additional Fax No.	
Special Instructions or Comments					

Lab ID	Field ID	Location	Sample Description
	108-41B	108-14	9" x 9" Tan w/White & Brown Streaks VFT
	108-42A	108-20	Mastic under 9" x 9" Tan w/White & Brown Streaks VFT
	108-42B	108-14	Mastic under 9" x 9" Tan w/White & Brown Streaks VFT
	108-43A	108-14	Green Floor Sheeting
	108-43B	108-14	Green Floor Sheeting
	108-44A	108-15	Autoclave Insulation
	108-44B	108-15	Autoclave Insulation
	108-44C	108-15	Autoclave Insulation

Relinquished by:	[illegible]	Date/Time:	12/8/04
Received by:	[illegible] 12/9/04 10:20	Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	



Company Name: ATC Associates, Inc.
Company Address: 39 Spruce Street
City: East Longmeadow State: MA Zip: 01028

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[redacted]
Fax: (413) 525-8227
Results to: Sandy Fablan
Verbal Results: Yes No
Call or Pager #:
Site Fax:
Additional Fax:

Project Name: GE Bldgs 107-115
Project Address: GE Pittsfield
Project Manager: ~~Adam Lesko~~ D. Wissman
Project Number: 81.01398.0042
Sampled by: G. Morsch Date: 12/8/04

Analysis Type: PLM & TEM
Positive Stop: Yes (No)
Turnaround Time: 5 days
Fax Copy by:
Return Samples: Yes No

Special Instructions or Comments: Bldg 108 Exterior

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	108X-01A	Bldg 108 Exterior	Wall paint	1
	108X-01B			
	108X-01C			
	108X-01D			
	108X-01E			
	108X-02A	Bldg 108 Exterior	Window caulking	2
	108X-02B	" " "	" "	2
	108X-03A	" " "	Wall crack caulking	3
	108X-04A	" " "	Door frame caulking	#4

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/09/04
Date Examined 12/14/04

AmeriSci Job No.504121177
P.O. # 05-81-0015
Page 1 **of** 3

RE 81.01398.0042; GE Blds. 107-115; GE Pittsfield

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
108X-01A	504121177-01	*No*	NAD
1	**Location:** Bldg. 108 Exterior		
	Description: Beige, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
108X-01B	504121177-02	*No*	NAD
1	**Location:** Bldg. 108 Exterior		
	Description: Beige, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
108X-01C	504121177-03	*No*	NAD
1	**Location:** Bldg. 108 Exterior		
	Description: Beige, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
108X-01D	504121177-04	*No*	NAD
1	**Location:** Bldg. 108 Exterior		
	Description: Beige, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
108X-01E	504121177-05	*No*	NAD
1	**Location:** Bldg. 108 Exterior		
	Description: Beige, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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PLM Bulk Asbestos Report

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39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/09/04 **AmeriSci Job No.**504121177
Date Examined 12/14/04 **P.O. #** 05-81-0015
Page 2 **of** 3
RE 81.01398.0042; GE Blds. 107-115; GE Pittsfield

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
108X-02A	504121177-06	*No*	NAD
2	**Location:** Bldg. 108 Exterior		
	Description: Grey, Homogeneous, Window Caulking		
	Asbestos Types:		
	Other Material: Fibrous glass 2. %, Non-fibrous 98. %		
108X-02B	504121177-07	*No*	NAD
2	**Location:** Bldg. 108 Exterior		
	Description: Grey, Homogeneous, Window Caulking		
	Asbestos Types:		
	Other Material: Fibrous glass 2. %, Non-fibrous 98. %		
108X-03A	504121177-08	*No*	NAD
3	**Location:** Bldg. 108 Exterior		
	Description: Off-White, Homogeneous, Wall Crack Caulking		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
108X-04A	504121177-09	*No*	NAD
4	**Location:** Bldg. 108 Exterior		
	Description: Off-White, Homogeneous, Door Frame Caulking		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

AmeriSci Boston
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

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East Longmeadow, MA 01028

Date Received 12/09/04
Date Examined 12/14/04

AmeriSci Job No.504121177
P.O. # 05-81-0015
Page 3 **of** 3

RE 81.01398.0042; GE Blds. 107-115; GE Pittsfield

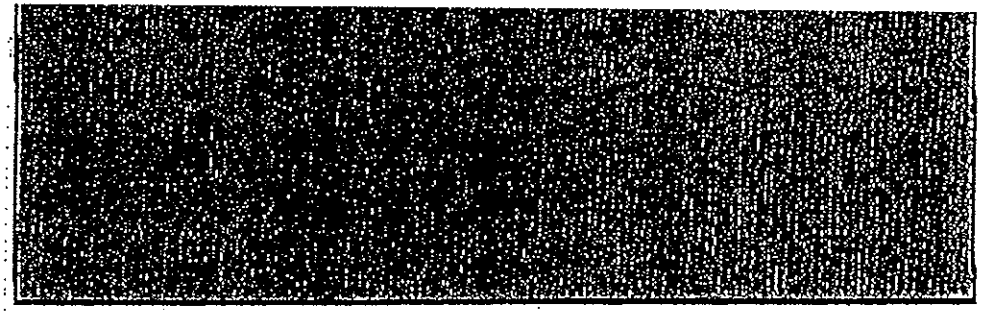
Reporting Notes:

Analyzed by: Steven P. Grise ; Date Analyzed: 12/14/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By:

Relinquished by:	[illegible]	Date/Time:	12/8/04
Received by:	[illegible] 12/8/04 10:20	Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	



Company Name: ATC Associates, Inc.
Company Address: 39 Spruce Street
City: East Longmeadow State: MA Zip: 01028

Ameri Sci Emergency Pagers (781) 317-1522 5041211 77 (781) 649-2873
8 SCHOOL STREET WEYMOUTH, MA 02189 (781) 337-9334 FAX (781) 337-7642

[redacted]
Fax: (413) 525-8227
Results to: Sandy Fabian
Verbal Results: Yes No
Cell or Pager #:
Site Fax:
Additional Fax:

Project Name: GE Bldgs 107-115
Project Address: GE Pittsfield
Project Manager: ~~Adam Lesko~~ D. Wissman
Project Number: 81.01398.0042
Sampled by: G. Morsch Date: 12/8/04

Analysis Type: ~~PLM~~ & TEM
Positive Stop: Yes (No)
Turnaround Time: 5 days
Fax Copy by:
Return Samples: Yes No

Special Instructions or Comments: Bldg 108 Exterior

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	108X-01A	Bldg 108 Exterior	Wall paint	1
	108X-01B			
	108X-01C			
	108X-01D			
	108X-01E			
	108X-02A	Bldg 108 Exterior	Window caulking	2
	108X-02B	" " "	" "	2
	108X-03A	" " "	Wall crack caulking	3
	108X-04A	" " "	Door frame caulking	#4

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/09/04
Date Examined 12/14/04

AmeriSci Job No.504121177
P.O. # 05-81-0015
Page 1 **of** 3

RE 81.01398.0042; GE Blds. 107-115; GE Pittsfield

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
108X-01A	504121177-01	*No*	NAD
1	**Location:** Bldg. 108 Exterior		
	Description: Beige, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
108X-01B	504121177-02	*No*	NAD
1	**Location:** Bldg. 108 Exterior		
	Description: Beige, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
108X-01C	504121177-03	*No*	NAD
1	**Location:** Bldg. 108 Exterior		
	Description: Beige, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
108X-01D	504121177-04	*No*	NAD
1	**Location:** Bldg. 108 Exterior		
	Description: Beige, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
108X-01E	504121177-05	*No*	NAD
1	**Location:** Bldg. 108 Exterior		
	Description: Beige, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/09/04 **AmeriSci Job No.**504121177
Date Examined 12/14/04 **P.O. #** 05-81-0015
Page 2 **of** 3
RE 81.01398.0042; GE Blds. 107-115; GE Pittsfield

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
108X-02A	504121177-06	*No*	NAD
2	**Location:** Bldg. 108 Exterior		
	Description: Grey, Homogeneous, Window Caulking		
	Asbestos Types:		
	Other Material: Fibrous glass 2. %, Non-fibrous 98. %		
108X-02B	504121177-07	*No*	NAD
2	**Location:** Bldg. 108 Exterior		
	Description: Grey, Homogeneous, Window Caulking		
	Asbestos Types:		
	Other Material: Fibrous glass 2. %, Non-fibrous 98. %		
108X-03A	504121177-08	*No*	NAD
3	**Location:** Bldg. 108 Exterior		
	Description: Off-White, Homogeneous, Wall Crack Caulking		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
108X-04A	504121177-09	*No*	NAD
4	**Location:** Bldg. 108 Exterior		
	Description: Off-White, Homogeneous, Door Frame Caulking		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/09/04
Date Examined 12/14/04

AmeriSci Job No.504121177
P.O. # 05-81-0015
Page 3 **of** 3

RE 81.01398.0042; GE Blds. 107-115; GE Pittsfield

Reporting Notes:

Analyzed by: Steven P. Grise SPG ; Date Analyzed: 12/14/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: _____

Received by:	Date/Time: 12/7/04 10:30
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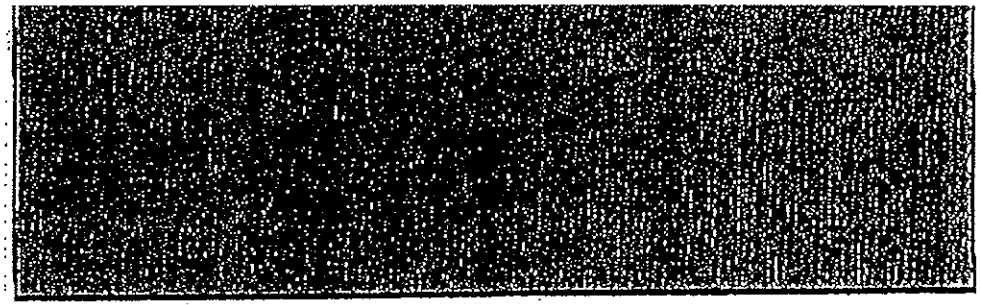
Received by:	Date/Time:
Relinquished by:	Date/Time:
Received by:	Date/Time:



Company Name: ATC Associates, Inc.
Company Address: 39 Spruce Street
City: East Longmeadow State: MA Zip: 01028

Ameri Sci Emergency Pagers 8 SCHOOL STREET
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(781) 649-2873 (781) 337-9334 FAX (781) 337-7642

[redacted]	Project Name: GE-Bldgs 107-115	Analysis Type: PLM & TEM
Fax: (413) 525-8227	Project Address: GE Pittsfield	Positive Stop: Yes (No)
Results to: Sandy Fabian	Project Manager: ~~Adam Lesko~~ D. Wissman	Turnaround Time: 5 days
Verbal Results: Yes No	Project Number: B1.01398.0042	Fax Copy by:
Cell or Pager #:	Sampled by: G. Morsch Date: 12/8/04	Return Samples: Yes No
Site Fax:	Special Instructions or Comments: Bldg 108 Exterior	
Additional Fax:		

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	108X-01A	Bldg 108 Exterior	Wall paint	1
	108X-01B			
	108X-01C			
	108X-01D			
	108X-01E			
	108X-02A	Bldg 108 Exterior	Window caulking	2
	108X-02B	" " "	" "	2
	108X-03A	" " "	Wall crack caulking	3
	108X-04A	" " "	Door frame caulking	4

Relinquished by:		Date/Time:	12/3/04
Received by:		Date/Time:	12/6/04 5:45
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	

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FAX: (781) 337-7642

Project Name:	GE Plastics Bldgs. 107-115				
Project Number:	81.01398.0042				
Project Address:	Bldg. 108 - Exterior				
Analysis Type:	PLM	Sampled By:	Edward Kolodziej		Date: 11/16/04
Positive Stop:	No	Project Manager:	Derrick Wissman		
Turnaround Time	5 Days	Results To:	Edward Kolodziej		
Fax Copy By:	413-525-8227			Emergency Pager:	
Hard Copy By:	413-525-1198			Additional Fax No.	
Special Instructions or Comments	**Analyze all Layers**				

Lab ID	Field ID	Location	Sample Description
	108-EXT-01A	Roof (A)	Tar on Steel Deck
	108-EXT-01B	Roof (B)	Tar on Steel Deck
	108-EXT-01C	Roof ©	Tar on Steel Deck
	108-EXT-02A	Roof (A)	Adhesive on Foam Insulation under Rubber
	108-EXT-03A	Roof	Adhesive on Wood Flashing under Rubber
	108-EXT-04A	Roof	Flashing Cement (Old)

12/6/04 10:20

BUILDING 108

LABORATORY REPORTS/CHAIN-OF-CUSTODY (TEM)

AmeriSci Job #: **204123121**

Client Name: ATC Associates

Table I

Summary of Bulk Asbestos Analysis Results

GE Bldgs/ 107-115; GE Pittsfield

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	108-06A		0.116	79.31	11.21	4.78	NA	Chrysotile 4.7
02	Rm 108-06 108-09A		0.125	53.60	16.80	29.50	NA	Chrysotile Trace
03	Room 108-09 108-11A		0.851	13.51	65.57	16.72	NA	Chrysotile 4.2
04	Room 108-03 108-19A		0.157	65.61	7.64	26.65	NA	Chrysotile Trace
	Room 108-03							

Analyzed by: Paul J. Mucha; Date Analyzed 12/27/2004

Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.1/198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during n quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 gram should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843. NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:

Client Name: ATC Associates

Table I

Summary of Bulk Asbestos Analysis Results

81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 108

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	108-41A 108-20		0.317	11.99	76.03	11.99	NA	NAD
02	108-42A 108-20		0.312	50.00	25.96	24.04	NA	NAD

Analyzed by: Marik Peysakhov_____; Date Analyzed 12/26/2004

Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.1/198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843, NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

Client Name: ATC Associates

Table I

Summary of Bulk Asbestos Analysis Results

81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 108 - Exterior

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	108-Ext-01A Roof (A)		0.238	96.64	1.26	2.10	NA	NAD

Analyzed by: Mirik Peysakhov_____; Date Analyzed 12/26/2004

Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.1/198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843. NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

AmeriSci Job #: **204123118**

Client Name: ATC Associates

Table I

Summary of Bulk Asbestos Analysis Results

81.01398.0042; GE Bldgs. 107-115; GE Pittsfield

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	108X-02A Bldg. 108 Exterior		0.365	52.88	40.55	6.58	NA	NAD
02	108X-03A Bldg. 108 Exterior		0.697	20.95	68.29	10.66	NA	Chrysotile Trace
03	108X-04A Bldg. 108 Exterior		0.931	22.99	32.55	42.67	NA	Chrysotile 1.8

Analyzed by: Paul J. Mucha; Date Analyzed 12/27/2004

Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation) or ELAP 198.1/198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 gram should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843, NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:

Relinquished by:		Date/Time:	
Received by:	Caroline Zitek	Date/Time:	11/24/04 1150
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

[redacted]

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504111285

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(781) 337-9334 FAX (781) 337-7642

Company Name:	ATC Associates, Inc.
Company Address:	39 Spruce Street
City:	East Longmeadow State: MA Zip: 01028
[redacted]	
Fax:	(413) 525-8227
Results to:	Sandy Fabian
Verbal Results:	Yes ~~No~~
Cell or Pager #:	
Site Fax:	
Additional Fax:	

Project Name:	GE Bldgs 107-115	Analysis Type:	(PLM) & TEM
Project Address:	GE Pittsfield	Positive Stop:	Yes (No)
Project Manager:	~~[illegible]~~ D. Wissman	Turnaround Time:	5 days
Project Number:	TBA	Fax Copy by:	
Sampled by:	Greg Morsch Date: 11/15/04	Return Samples:	Yes No

Special Instructions or Comments: Separate mastic and adhesives from tiles, carpets, cove base, may require TEM confirmations by NOB method

204123121

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
1	108-01A	Bldg 108: Room 108-01	Carpet adhesive	1
2	108-02A	Room 108-01	Door frame caulking	2
~~3~~	~~108-02B~~	~~" " "~~	~~" " "~~	~~2~~
~~4~~ 3	108-03A	Room 108-01	Ceiling caulking	3
~~5~~ 4	108-04A	Room 108-03	2x4 Sus ceiling tile	4
~~6~~ 5	108-04B	Room 108-10 Hallway	2x4 Sus ceiling tile	4
~~7~~ 6	108-05A	Room 108-06	9x9 Brown floor tile	5
~~8~~ 7	108-06A	Rm 108-06	Floor tile mastic	6
~~9~~		Lab Note: Separate mastic from tiles		
~~9~~ 8	108-07A	Room 108-03	Mastic on gray cove base	7
~~10~~ 9	108-08A	Room 108-~~[illegible]~~ 04	Yellow adhesive on ~~[illegible]~~ black cove base	8
~~11~~ 10	108-09A	Room 108-09	Brown mastic on brown cove base	9
~~12~~ 11	108-10A	Room 108-10	Tan mastic on black cove base	10

Relinquished by: _____ Date/Time: _____

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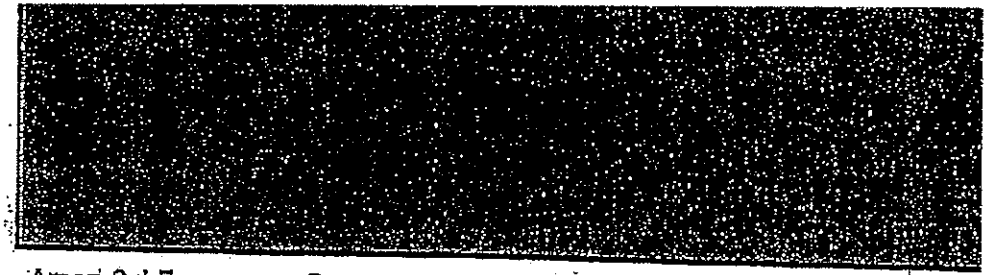
Relinquished by: _____ Date/Time: _____

Received by: _____ Date/Time: _____



Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Phone: (413) 525-7555

Fax: (413) 525-8227

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5041112 85

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Smith~~ D. Wissman

Project Number: TBA

Sampled by: Greg Morsch Date: 11/15/04

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Special Instructions or Comments:

204123121

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
12 13	108-11A	Room 108-03	Old window glazing	11
13 14	108-11B	Room 108-05	" " "	11
14 15	108-12A	Room 108-11 Men's Rm	Gray ceramic wall tile grout	12
15 16	108-13A	" " " "	White ceramic wall tile grout	13
16 17	108-14A	" " " "	Ceramic floor tile grout	14
17 18	108-15A	" " " "	Ceramic floor tile adhesive	15
18 19	108-16A	" " " "	Glass block window caulking	16
19 20	108-17A	Room 108-06	Sheetrock	17
20 21	108-18A	" " "	Joint Compound	18
21 22	108-10B	Room 108-02	Tan mastic on black cove base	10
22 23	108-19A	Room 108-03	Carpet adhesive	19
23 24	108-17B	Room 108-04 Hallway	Sheetrock	17
24 25	108-18B	Room 108-04 Hallway	Joint Compound	18

Received By: Angela Magrath Date/Time: 11/17/04 10:00

Relinquished by: _____ Date/Time: _____

Received by: _____ Date/Time: _____

Relinquished by: _____ Date/Time: _____

Received by: _____ Date/Time: _____

[redacted]

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

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5041112 85

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Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Lasko~~ D. Wissman

Project Number: TBA

Sampled by: Greg Moersch Date: 11/15/04

Analysis Type: PLM & TEM

Positive Stop: Yes No

Turnaround Time:

Fax Copy by:

Return Samples: Yes No

Special Instructions or Comments:

204123121

	Lab ID	Field ID	Location	Sample Description	Homogenous Area #
25	26	108-13B	Room 108-12 Women's Rm	White ceramic wall tile grout	13
26	27	108-20A	" " " " "	Ceramic wall tile grout behind tiles	20
27	28	108-14B	" " " " "	Ceramic floor tile grout	14
28	29	108-15B	" " " " "	Ceramic floor tile adhesive	15
29	30	108-16B	" " " " "	Caulking on glass block windows	16
30	31/32	108-21A	Room 108-03	Joint compound skim coat on wall	21
32	33/34	108-21B	Room 108-09	" " " " "	21
34	35	108-05B	Room 108-03	9x9 floor tile	5
35	36	108-06B	" " "	Floor tile mastic	6
			* Lab Note: Separate mastic (black) from tile		
36	37/38	108-21C	Room 108-02	Joint compound skim coat on wall	21

PAGE 04/05

SCILAB NYC LAB 2126799392

12/27/2004 11:50

Relinquished by: [illegible] Date/Time: 12/6/04

Received by: [illegible] 12/8/04 10:20 Date/Time:

Relinquished by: [illegible] Date/Time:

Received by: [illegible] Date/Time: 12/14/04 1100

Relinquished by: Date/Time:

Received by: Date/Time:

[redacted]

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

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504121177

[redacted]

Fax: (413) 525-8227

Results to: Sandy Fablan

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Lesko~~ D. Wissman

Project Number: 81.01398.0042

Sampled by: G. Morsch Date: 12/8/04

Special Instructions or Comments: Bldg 108 Exterior 204123118

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
1	108X-01A	Bldg 108 Exterior	Wall paint	1
2	108X-01B			
3	108X-01C			
4	108X-01D			
5	108X-01E			
~~6~~	108X-02A	Bldg 108 Exterior	Window caulking	2
7	108X-02B	" " "	" "	2
~~8~~	108X-03A	" " "	Wall crack caulking	3
~~9~~	108X-04A	" " "	Door frame caulking	#4

ATTACHMENT D

SUMMARY OF ASBESTOS RESULTS

(BUILDING 109)

Asbestos & Lead Inspection Report
GE Advanced Materials
Site No. 1 Demolition Project
Pittsfield, Massachusetts

December 29, 2004

BUILDING 109

SUMMARY OF POSITIVE ASBESTOS-CONTAINING MATERIALS

BUILDING 109

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	Material	QUANTITY	NOTES
#109-01 Hallway	Joint Compound	840 SF	Includes sheetrock
#109-01 Hallway	Bottom Tan Tiles And Black Mastic Under Double-Tiled Floor	1,160 SF	Top green tiles and mastic negative
#109-01 Hallway	Electrical Boxes	6 EA	Includes wire, transite, switches, etc.
#109-01 Hallway	Skim Coat Of Joint Compound Over Wood Wall Sections	640 SF	
#109-01 Hallway	Fire Doors	4 EA	
#109-02 Hallway to Bldg #108	Joint Compound	190 SF	Includes sheetrock
#109-02 Hallway to Bldg #108	Bottom Tiles And Black Mastic Under Double-Tiled Floor Section	140 SF	12x12 orange tiles negative
#109-02 Hallway to Bldg #108	Electrical Boxes	7 EA	Includes wire, transite, switches, etc.
#109-03 Storage Closet	9x9 Tan Tiles And Black Mastic	24 SF	
#109-04	9x9 Tan Tiles And Black Mastic Under Top 12x12 Tiles	240 SF	Multiple floor layers including slate
#109-09 Compressor Room	Electrical Boxes	3 EA	Includes wire, transite, switches, etc.
#109-09 Compressor Room	Compressor Gaskets	20 EA	
#109-10	Electrical Boxes	1 EA	Includes wire, transite, switches, etc.
#109-13 Upper Locker Room	Fire Doors	1 EA	
#109-14	12x12 Floor Tile And Mastic	192 SF	
#109-14	Electrical Boxes	6 EA	Includes wire, transite, switches, etc.
#109-14	Fire Doors	1 EA	
#109-15	Black Mastic On 12x12 Floor Tiles	320 SF	

BUILDING 109

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
#109-15	Transite In Fume Hoods	4 Units	
#109-15	Electrical Boxes	1 EA	Includes wire, transite, switches, etc.
#109-15	Sink Counter Top Material	60 SF	
#109-16	12x12 Floor Tile And Mastic	300 SF	
#109-16	9x9 Tan Tiles And Black Mastic	300 SF	
#109-16	Electrical Boxes	5 EA	Includes wire, transite, switches, etc.
#109-17 Fire System Room	Gaskets	12 EA	
#109-17 Fire System Room	Electrical Boxes	9 EA	Includes wire, transite, switches, etc.
#109-17 Fire System Room	Fire Doors	2 EA	
#109-18	9x9 Tan Tiles And Black Mastic	294 SF	
#109-19	Gaskets	2 EA	
#109-19	Electrical Boxes	4 EA	Includes wire, transite, switches, etc.
#109-20	Electrical Boxes	1 EA	Includes wire, transite, switches, etc.
#109-20	Boxes Of Gaskets And Packings	50 Boxes	
#109-21	12x12 Floor Tile And Mastic	140 SF	
#109-21	Transite On Rear Wall	24 SF	
#109-22	Thermal System Insulation	1 LF	On pipe in enclosure
#109-22	Thermal System Insulation - Debris At Bottom Of Enclosure	8 SF	
#109-22	9x9 Tan Tiles And Black Mastic Under Top 12x12 Tiles	78 SF	
#109-22	Transite In Fume Hoods	1 Unit	
#109-22	Sink Counter Top Material	112 SF	

BUILDING 109

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
#109-23	Thermal System Insulation - Layered Paper	17 LF	
#109-23	Thermal System Insulation – Magnesia	17 LF	
#109-23	Black Mastic On Bottom Layer Floor Tiles	272 SF	Double-tiled floor
#109-23	Electrical Boxes	11 EA	Includes wire, transite, switches, etc.
#109-24	Old Light Fixture Gaskets	40 EA	
#109-24	Gaskets And Valve Packings	72 EA	
#109-26	Old Light Fixture Gaskets	3 EA	
#109-27	Electrical Boxes	8 EA	Includes wire, transite, switches, etc.
#109-Attic Above Lab Rooms	Electrical Boxes	34 EA	Includes wire, transite, switches, etc.
#109-Attic Above Lab Rooms	Switch Gear Unit (16 Switches)	1 Unit	Includes all ACM in Unit
#109-Attic Above Lab Rooms	Old HEPA Filters On Attic Flooring	2 EA	
#109-2-01 Second Level	Old Light Fixture Gaskets	3 EA	
#109-2-02 Second Level	Old Light Fixture Gaskets	25 EA	
#109-2-02 Second Level	Black Putty Pipe Penetration Wall Sealant	14 EA	
#109-2-03 Second Level	Old Light Fixture Gaskets	1 EA	
#109-2-05 Second Level	12x12 Bottom Layer Floor Tiles	150 SF	Double-tiled floor
#109-3-01 Third Level	Joint Compound	322 SF	Includes sheetrock
#109-3-01 Third Level	Old Light Fixture Gaskets	35 EA	
#109-3-01 Third Level	Gaskets	5 EA	
#109-3-01 Third Level	Fire Doors	2 EA	
#109-3-02 Third Level	Joint Compound	350 SF	Includes sheetrock
#109-3-03 Third Level	Joint Compound	640 SF	Includes sheetrock

BUILDING 109

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
#109-3-03 Third Level	Old Light Fixture Gaskets	2 EA	
#109-3-03 Third Level	9x9 Floor Tiles And Black Mastic	240 SF	
#109-P-01 Fourth Level	Gaskets	4 EA	
#109-P-01 Fourth Level	Fire Doors	1 EA	
Exterior Walls	Corrugated Transite Walls & Canopy Roofs	7,500 SF	
Exterior Walls	Old Light Fixture Gaskets	3 EA	
Roof	Tar on Concrete	1,350 SF	
Roof	Red Duct Sealant	50 LF	
Roof	Flashing	375 LF	
Roof	Tarpaper on Concrete	120 SF	
Roof	Silver Paint	8,850 SF	On block walls and Transite
Roof	Gray Sealant	25 LF	
Roof	Transite Roof Panels	8,750 SF	
Exterior	Window Caulking & Glazing	80 EA	

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BUILDING 109

SUMMARY OF NEGATIVE ASBESTOS-CONTAINING MATERIALS

BUILDING 109 SUMMARY OF NEGATIVE ASBESTOS-CONTAINING MATERIALS	
LOCATION	**MATERIAL**
#109-01 Hallway	12x12 green tiles
#109-01 Hallway	Paint
#109-01 Hallway	2x4 ceiling tiles
#109-01 Hallway	Levelastic on floor
#109-02 Hallway	12x12 orange tiles
#109-02 Hallway	Cove base and mastic
#109-02 Hallway	2x2 ceiling tiles
#109-04	Sheetrock and joint compound
#109-04	12x12 white/multi-specks tiles
#109-04	Wall paint
#109-04	2x4 ceiling tiles
#109-04	Wall panel adhesive
#109-10	Sheetrock and joint compound
#109-10	2x2 ceiling tiles
#109-10	Ceramic wall tile grout and adhesive
#109-10	Sink counter caulking
#109-10	Fiberglass insulation on electric boiler
#109-11	Sheetrock and joint compound
#109-11	Cove base and mastic
#109-11	2x2 ceiling tiles
#109-12	Sheetrock and joint compound
#109-12	Ceramic wall tile grout and adhesive
#109-13	Sheetrock and joint compound
#109-13	2x2 ceiling tiles
#109-13	Fiberglass insulation above ceiling
#109-14	Sheetrock and joint compound
#109-14	Cove base and mastic
#109-14	2x2 ceiling tiles
#109-15	Sheetrock and joint compound
#109-15	Cove base and mastic
#109-16	Sheetrock and joint compound
#109-16	2x4 ceiling tiles
#109-17	Sheetrock and joint compound
#109-17	Window glazing and caulking
#109-18	Sheetrock and joint compound

BUILDING 109

SUMMARY OF NEGATIVE ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL
#109-19	Sheetrock and joint compound
#109-19	Carpet mastic
#109-19	Duct sealant
#109-20	Sheetrock and joint compound
#109-20	Levelastic on floor
#109-20	Paint
#109-21	Sheetrock and joint compound
#109-21	Cove base and mastic
#109-21	2x4 ceiling tiles
#109-21	Wall panel adhesive
#109-22	Sheetrock and joint compound
#109-22	Cove base and mastic
#109-22	Levelastic on floor
#109-22	Ceramic floor tile grout and adhesive
#109-22	Black gummy wrap on pipe
#109-22	Workbench laminate top
#109-22	12x12 floor tiles
#109-23	Sheetrock and joint compound
#109-23	Cove base and mastic
#109-24	Sheetrock and joint compound
#109-24	Paint
#109-24	Duct sealant
#109-24	Plaster on column by sliding door
#109-Attic Above Lab Rooms	Sheetrock and joint compound
#109-Attic Above Lab Rooms	Duct sealant
#109-2-02 Second Level	Sheetrock and joint compound
#109-2-02 Second Level	Duct sealant
#109-2-03 Second Level	Sheetrock and joint compound
#109-2-03 Second Level	Cove base and mastic
#109-2-04 Second Level	Sheetrock and joint compound
#109-2-04 Second Level	12x12 floor tiles
#109-2-04 Second Level	Cove base and mastic

BUILDING 109 SUMMARY OF NEGATIVE ASBESTOS-CONTAINING MATERIALS	
LOCATION	**MATERIAL**
#109-2-04 Second Level	2x4 ceiling tiles
#109-2-05 Second Level	Sheetrock and joint compound
#109-2-05 Second Level	Floor tile mastic
#109-2-05 Second Level	2x4 ceiling tiles
#109-2-05 Second Level	Wall panel adhesive
#109-2-05 Second Level	Cove base and mastic
#109-2-06 Second Level	Sheetrock and joint compound
#109-2-06 Second Level	2x4 ceiling tiles
#109-2-06 Second Level	Levelastic on floor
#109-3-01 Third Level	Duct sealant
#109-3-01 Third Level	Wall insulation board adhesive
#109-3-02 Third Level	Wall insulation board adhesive
#109-3-02 Third Level	HVAC flex connectors
#109-3-02 Third Level	Floor coating on metal
#109-P-01 Fourth Level	Paint
#109-P-01 Fourth Level	Duct sealant
Roof	Built-up layers
Roof	Gray duct sealant
Roof	Tar sealant (HVAC)
Roof	Stored felt
Roof	Felt under rubber membrane
Roof	Sealant on rubber membrane
Roof	End coating on fiberglass
Roof	Tar on steel deck

BUILDING 109

LABORATORY REPORTS/CHAIN-OF-CUSTODY (PLM)

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WEYMOUTH, MA 02189
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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/24/04
Date Examined 11/30/04

AmeriSci Job No.504111407
P.O. # 05-81-0015

RE 81.01398.0042; GE Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-01A 01A	504111407-01 **Location:** Bldg. #109 - Hallway - Rm. 109-01	*No*	NAD
	Description: Green, Homogeneous, 12"x12" FT (Green) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-02A 02A	504111407-02 **Location:** Bldg. #109 - Hallway - Rm. 109-01	*No*	NAD
	Description: Brown, Homogeneous, 12"x12" FT (Green) Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-03A 03A	504111407-03 **Location:** Bldg. #109 - Hallway - Rm. 109-01	*No*	NAD
	Description: Brown, Homogeneous, Cementitious, Levelastic **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-04A 04A	504111407-04 **Location:** Bldg. #109 - Hallway - Rm. 109-01	*No*	NAD
	Description: Brown/Off-White, Heterogeneous, 2'x4' Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %		
109-05A 05A	504111407-05 **Location:** Bldg. #109 - Hallway - Rm. 109-01	*Yes*	4 %
	Description: Off-White, Heterogeneous, Skim Coat On Wood **Asbestos Types:** Chrysotile 4. % **Other Material:** Non-fibrous 96. %		

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RE 81.01398.0042; GE Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-05B 05B	504111407-06 **Location:** Bldg. #109 - Hallway - Rm. 109-01	*Yes*	4 %
	Description: Off-White, Heterogeneous, Skim Coat On Wood **Asbestos Types:** Chrysotile 4. % **Other Material:** Non-fibrous 96. %		
109-05C 05C	504111407-07 **Location:** Bldg. #109 - Hallway - Rm. 109-01	*Yes*	4 %
	Description: Off-White, Heterogeneous, Skim Coat On Wood **Asbestos Types:** Chrysotile 4. % **Other Material:** Non-fibrous 96. %		
109-06A 06A	504111407-08 **Location:** Bldg. #109 - Hallway - Rm. 109-01	*No*	NAD
	Description: Brown/Off-White, Heterogeneous, Sheetrock **Asbestos Types:** **Other Material:** Cellulose 10. %, Non-fibrous 90. %		
109-07A 07A	504111407-09 **Location:** Bldg. #109 - Hallway - Rm. 109-01	*Yes*	4 %
	Description: Off-White, Heterogeneous, Joint Compound **Asbestos Types:** Chrysotile 4. % **Other Material:** Non-fibrous 96. %		
109-08A 08A	504111407-10 **Location:** Bldg. #109 - Hallway - Rm. 109-01	*No*	NAD
	Description: Blue, Homogeneous, Paint (Blue) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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RE 81.01398.0042; GE Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-09A 09A	504111407-11 **Location:** Bldg. #109 - Hallway - Rm. 109-02	*No*	NAD

Description: Orange, Homogeneous, 12"x12" FT (Orange)
Asbestos Types:
Other Material: Non-fibrous 100. %

109-10A 10A	504111407-12 **Location:** Bldg. #109 - Hallway - Rm. 109-02	*No*	NAD

Description: Brown, Homogeneous, 12"x12" FT (Orange) Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

109-11A 11A	504111407-13 **Location:** Bldg. #109 - Hallway - Rm. 109-02	*No*	NAD

Description: Tan, Homogeneous, 9"x9" FT (Tan)
Asbestos Types:
Other Material: Non-fibrous 100. %

109-12A 12A	504111407-14 **Location:** Bldg. #109 - Hallway - Rm. 109-02	*No*	NAD

Description: Yellow, Homogeneous, 9"x9" FT (Tan) Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

109-13A 13A	504111407-15 **Location:** Bldg. #109 - Hallway - Rm. 109-02	*No*	NAD

Description: Brown/Off-White, Heterogeneous, 2'x2' Ceiling Tile
Asbestos Types:
Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %

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RE 81.01398.0042; GE Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-14A 14A	504111407-16 **Location:** Bldg. #109 - Hallway - Rm. 109-04	*No*	NAD
	Description: Brown, Homogeneous, 12"x12" FT (Wht/Multi) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-14AM 14AM	504111407-17 **Location:** Bldg. #109 - Hallway - Rm. 109-04	*Yes*	10 %
	Description: Black, Homogeneous, 12"x12" FT (Wht/Multi) Mastic **Asbestos Types:** Chrysotile 10. % **Other Material:** Non-fibrous 90. %		
109-15A 15A	504111407-18 **Location:** Bldg. #109 - Hallway - Rm. 109-04 (Behind Steel Radiators)	*No*	NAD
	Description: Black/Grey, Heterogeneous, Wall Paint **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-16A 16A	504111407-19 **Location:** Bldg. #109 - Hallway - Rm. 109-04	*No*	NAD
	Description: Yellow, Homogeneous, Wall Panel Adhesive **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-17A 17A	504111407-20 **Location:** Bldg. #109 - Hallway - Rm. 109-04	*Yes*	10 %
	Description: Black, Homogeneous, BTM Slate Mastic **Asbestos Types:** Chrysotile 10. % **Other Material:** Non-fibrous 90. %		

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RE 81.01398.0042: GE Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-12B 12B	504111407-21 **Location:** Bldg. #109 - Hallway - Rm. 109-04 **Description:** Black, Homogeneous, 9"x9" FT (Tan) Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100. %	*No*	NAD
109-04B 04B	504111407-22 **Location:** Bldg. #109 - Hallway - Rm. 109-04 **Description:** Brown/Off-White, Heterogeneous, 2'x4' Ceiling Tile **Asbestos Types:** **Other Material:** Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %	*No*	NAD
109-06B 06B	504111407-23 **Location:** Bldg. #109 - Hallway - Rm. 109-10 **Description:** Brown, Heterogeneous, Sheetrock **Asbestos Types:** **Other Material:** Cellulose 5. %, Fibrous glass 5. %, Non-fibrous 90. %	*No*	NAD
109-07B 07B	504111407-24 **Location:** Bldg. #109 - Hallway - Rm. 109-10 **Description:** White, Heterogeneous, Joint Compound **Asbestos Types:** **Other Material:** Non-fibrous 100. %	*No*	NAD
109-18A 18A	504111407-25 **Location:** Bldg. #109 - Hallway - Rm. 109-10 **Description:** Off-White, Heterogeneous, Sink Counter Caulk **Asbestos Types:** **Other Material:** Cellulose 5. %, Non-fibrous 95. %	*No*	NAD

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RE 81.01398.0042; GE Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-19A 19A	504111407-26 **Location:** Bldg. #109 - Hallway - Rm. 109-10	*No*	NAD

Description: Yellow, Heterogeneous, Ceramic Tile Adhesive
Asbestos Types:
Other Material: Non-fibrous 100. %

109-20A 20A	504111407-27 **Location:** Bldg. #109 - Hallway - Rm. 109-10	*No*	NAD

Description: Off-White, Homogeneous, Ceramic Tile Grout
Asbestos Types:
Other Material: Non-fibrous 100. %

109-21A 21A	504111407-28 **Location:** Bldg. #109 - Hallway - Rm. 109-10	*No*	NAD

Description: Yellow, Homogeneous, Old Ceramic Tile Adhesive
Asbestos Types:
Other Material: Non-fibrous 100. %

109-22A 22A	504111407-29 **Location:** Bldg. #109 - Hallway - Rm. 109-10	*No*	NAD

Description: Grey, Homogeneous, Cementitious, Old Ceramic Tile Grout
Asbestos Types:
Other Material: Non-fibrous 100. %

109-13B 13B	504111407-30 **Location:** Bldg. #109 - Rm. 109-11	*No*	NAD

Description: Brown/Off-White, Heterogeneous, 2'x2' Ceiling Tile
Asbestos Types:
Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %

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RE 81.01398.0042; GE Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-23A 23A	504111407-31 **Location:** Bldg. #109 - Rm. 109-11	*No*	NAD
	Description: Brown, Homogeneous, 4" Covebase (Brown) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-23AM 23AM	504111407-32 **Location:** Bldg. #109 - Rm. 109-11	*No*	NAD
	Description: Brown, Homogeneous, 4" Covebase (Brown) Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-24A 24A	504111407-33 **Location:** Bldg. #109 - Rm. 109-11	*No*	NAD
	Description: Brown/Off-White, Heterogeneous, Sheetrock **Asbestos Types:** **Other Material:** Cellulose 10. %, Non-fibrous 90. %		
109-25A 25A	504111407-34 **Location:** Bldg. #109 - Rm. 109-11	*No*	NAD
	Description: White, Heterogeneous, Joint Compound **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-22B 22B	504111407-35 **Location:** Bldg. #109 - Rm. 109-12	*No*	NAD
	Description: Grey, Homogeneous, Cementitious, Ceramic Tile Grout **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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RE 81.01398.0042; GE Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-26A 26A	504111407-36 **Location:** Bldg. #109 - Rm. 109-12	*No*	NAD
	Description: Grey, Homogeneous, Cementitious, Cementitious Wallboard **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-27A 27A	504111407-37 **Location:** Bldg. #109 - Rm. 109-13	*No*	NAD
	Description: Brown/Black, Heterogeneous, Ceiling Insulation FG Paper **Asbestos Types:** Cellulose 65. %, Fibrous glass 20. %. **Other Material:** Non-fibrous 15. %		
109-28A 28A	504111407-38 **Location:** Bldg. #109 - Rm. 109-14	*Yes*	2 %
	Description: Black/Off-White, Homogeneous, 12"x12" Floor Tile **Asbestos Types:** Chrysotile 2. % **Other Material:** Non-fibrous 98. %		
109-29A 29A	504111407-39 **Location:** Bldg. #109 - Rm. 109-14	*No*	NAD
	Description: Yellow, Homogeneous, 12"x12" Floor Tile Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-30A 30A	504111407-40 **Location:** Bldg. #109 - Rm. 109-14	*No*	NAD
	Description: Brown/Off-White, Homogeneous, 12"x12" FT (Tan) **Asbestos Types:** **Other Material:** Non-fibrous		

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/24/04
Date Examined 11/30/04

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RE 81.01398.0042: GE Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-31A 31A	504111407-41 **Location:** Bldg. #109 - Rm. 109-15	*Yes*	10 %
	Description: Black, Homogeneous, 12"x12" FT (Tan) Mastic **Asbestos Types:** Chrysotile 10. % **Other Material:** Non-fibrous 90. %		
109-32A 32A	504111407-42 **Location:** Bldg. #109 - Rm. 109-15	*No*	NAD
	Description: Black, Homogeneous, 4" Covebase (Black) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-32AM 32AM	504111407-43 **Location:** Bldg. #109 - Rm. 109-15	*No*	NAD
	Description: Brown, Homogeneous, 4" Covebase (Black) Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-14B 14B	504111407-44 **Location:** Bldg. #109 - Rm. 109-16	*Yes*	2 %
	Description: Off-White, Homogeneous, 12"x12" FT (White/Multi) **Asbestos Types:** Chrysotile 2. % **Other Material:** Wollastonite 3. %, Non-fibrous 95. %		
109-14BM 14BM	504111407-45 **Location:** Bldg. #109 - Rm. 109-16	*Yes*	10 %
	Description: Black, Homogeneous, 12"x12" FT (Wht/Multi) Mastic **Asbestos Types:** Chrysotile 10. % **Other Material:** Non-fibrous 90. %		

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RE 81.01398.0042; GE Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-11B 11B	504111407-46 **Location:** Bldg. #109 - Rm. 109-16	*Yes*	5 %
	Description: Brown, Homogeneous, 9"x9" FT (Tan) **Asbestos Types:** Chrysotile 5. % **Other Material:** Non-fibrous 95. %		
109-12B 12B	504111407-47 **Location:** Bldg. #109 - Rm. 109-16	*Yes*	10 %
	Description: Black, Homogeneous, 9"x9" FT (Tan) Mastic **Asbestos Types:** Chrysotile 10. % **Other Material:** Non-fibrous 90. %		
109-06C 06C	504111407-48 **Location:** Bldg. #109 - Rm. 109-16	*No*	NAD
	Description: Brown/Off-White, Heterogeneous, Sheetrock **Asbestos Types:** **Other Material:** Cellulose 10. %, Non-fibrous 90. %		
109-07C 07C	504111407-49 **Location:** Bldg. #109 - Rm. 109-16	*No*	NAD
	Description: White, Heterogeneous, Joint Compound **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-33A 33	504111407-50 **Location:** Bldg. #109 - 17	*No*	NAD
	Description: Grey, Homogeneous, Window Glazing **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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RE 81.01398.0042; GE Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-33B	504111407-51	*No*	NAD
33	**Location:** Bldg. #109 - 19		
	Description: Grey, Homogeneous, Window Glazing		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
109-34A	504111407-52	*No*	NAD
34	**Location:** Bldg. #109 - 19		
	Description: Brown, Homogeneous, Carpet Mastic		
	Asbestos Types:		
	Other Material: Synthetic fibers Trace, Non-fibrous 100. %		
109-35A	504111407-53	*No*	NAD
35	**Location:** Bldg. #109 - 19		
	Description: Brown, Homogeneous, Duct Sealant (Brown)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
109-36A	504111407-54	*No*	NAD
36	**Location:** Bldg. #109 - 20		
	Description: Brown, Homogeneous, Levelastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
109-15B	504111407-55	*No*	NAD
15	**Location:** Bldg. #109 - 20		
	Description: Brown/Black, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-16B	504111407-56	*No*	NAD
16	**Location:** Bldg. #109 - 21		
	Description: Brown, Homogeneous, Wall Panel Adhesive		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
109-04C	504111407-57	*No*	NAD
4	**Location:** Bldg. #109 - 21		
	Description: Brown/Off-White, Heterogeneous, 2'x4' Ceiling Tile		
	Asbestos Types:		
	Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %		
109-37A	504111407-58	*No*	NAD
37	**Location:** Bldg. #109 - 22		
	Description: Black, Homogeneous, Work Bench Laminate Top		
	Asbestos Types:		
	Other Material: Cellulose 35. %, Non-fibrous 65. %		
109-38A	504111407-59	*No*	NAD
38	**Location:** Bldg. #109 - 22		
	Description: Black, Homogeneous, Gummy Wrap On Pipe (Black)		
	Asbestos Types:		
	Other Material: Cellulose 5. %, Non-fibrous 95. %		
109-39A	504111407-60	*No*	NAD
39	**Location:** Bldg. #109 - 22		
	Description: Brown/Off-White, Homogeneous, 12"x12" FT (Stone Pattern)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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RE 81.01398.0042; GE Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-03B 3	504111407-61 **Location:** Bldg. #109 - 22 (Under Ceramic Tiles)	*No*	NAD
	Description: Red, Homogeneous, Cementitious, Levelastic (Red) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-40A 40	504111407-62 **Location:** Bldg. #109 - 22	*No*	NAD
	Description: Black/Grey, Homogeneous, Cementitious, Ceramic FT Grout **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-41A 41	504111407-63 **Location:** Bldg. #109 - 22	*No*	NAD
	Description: Brown/Off-White, Heterogeneous, Sheetrock Ceiling **Asbestos Types:** **Other Material:** Cellulose 10. %, Non-fibrous 90. %		
109-23B 23	504111407-64 **Location:** Bldg. #109 - 22	*No*	NAD
	Description: Brown, Homogeneous, 4" Covebase (Brown) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-23BM 23	504111407-65 **Location:** Bldg. #109 - 22	*No*	NAD
	Description: Brown, Homogeneous, 4" Covebase (Brown) Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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RE 81.01398.0042; GE Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-42A 42	504111407-66	*Yes*	2 %

Location: Bldg. #109 - 01 Hallway (Under Green Floor Tiles)

Description: Beige, Homogeneous, 12"x12" FT (Tan)
Asbestos Types: Chrysotile 2. %
Other Material: Non-fibrous 98. %

109-43A 43	504111407-67	*Yes*	10 %

Location: Bldg. #109 - 01 Hallway (On Tan 12x12 Tiles)

Description: Black, Homogeneous, Mastic (Black)
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

109-42B 42	504111407-68	*No*	NAD

Location: Bldg. #109 - 23

Description: Beige, Homogeneous, 12"x12" FT (Tan) Bottom Layer
Asbestos Types:
Other Material: Non-fibrous 100. %

109-43B 43	504111407-69	*Yes*	5 %

Location: Bldg. #109 - 23 (On Bottom Tan Tile)

Description: Black, Homogeneous, Mastic (Black)
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

109-44A 44	504111407-70	*No*	NAD

Location: Bldg. #109 - 23

Description: Beige, Homogeneous, 12"x12" FT (Tan) Top Layer
Asbestos Types:
Other Material: Non-fibrous 100. %

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-45A 45	504111407-71 **Location:** Bldg. #109 - 23 (On Top Tan Tile)	*No*	NAD
	Description: Black, Homogeneous, Mastic (Brown) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-41B	504111407-72	*No*	NAD
	Location: Bldg. #109 - 23		
	Description: Brown/Off-White, Heterogeneous, Sheetrock **Asbestos Types:** **Other Material:** Cellulose 5. %, Fibrous glass 5. %, Non-fibrous 90. %		
109-46A 46	504111407-73 **Location:** Bldg. #109 - 24	*No*	NAD
	Description: Grey, Homogeneous, Cementitious, Wall Plaster By Sliding Door **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-46B 46	504111407-74 **Location:** Bldg. #109 - 24	*No*	NAD
	Description: Grey, Homogeneous, Cementitious, Wall Plaster By Sliding Door **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-46C 46	504111407-75 **Location:** Bldg. #109 - 24	*No*	NAD
	Description: Grey, Homogeneous, Cementitious, Wall Plaster By Sliding Door **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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RE 81.01398.0042; GE Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-33C 33	504111407-76 **Location:** Bldg. #109 - 24	*No*	NAD
	Description: Off-White, Homogeneous, Window Glazing **Asbestos Types:** **Other Material:** Wollastonite Trace, Non-fibrous 100. %		
109-47A 47	504111407-77 **Location:** Bldg. #109 - 24	*No*	NAD
	Description: Grey, Homogeneous, Duct Seam Sealant (Grey) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-48A 48	504111407-78 **Location:** Bldg. #109 - 24	*No*	NAD
	Description: Red, Homogeneous, Duct Seam Sealant (Red) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-49A 49	504111407-79 **Location:** Bldg. #109 -2-02 (On Old Wall Pressboard)	*No*	NAD
	Description: Brown, Homogeneous, Adhesive (Brown) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
109-49B 49	504111407-80 **Location:** Bldg. #109 -2-02 (On Old Wall Pressboard)	*No*	NAD
	Description: Brown, Homogeneous, Adhesive (Brown) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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RE 81.01398.0042; GE Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-33D	504111407-81	*No*	NAD
33	**Location:** Bldg. #109 -2-02		
	Description: Brown/Off-White, Heterogeneous, Window Glazing		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
109-50A	504111407-82	*No*	NAD
50	**Location:** Bldg. #109 -2-02		
	Description: Brown/Off-White, Heterogeneous, Sheetrock		
	Asbestos Types:		
	Other Material: Cellulose 5. %, Fibrous glass 5. %, Non-fibrous 90. %		
109-51A	504111407-83	*Yes*	15 %
51	**Location:** Bldg. #109 -2-02 (On Pipe/Wall Penetrations)		
	Description: Black, Homogeneous, Tar (Black)		
	Asbestos Types: Chrysotile 15. %		
	Other Material: Non-fibrous 85. %		
109-52A	504111407-84	*No*	NAD
52	**Location:** Bldg. #109 -2-04		
	Description: Off-White, Homogeneous, 12"x12" FT		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
109-53A	504111407-85	*No*	NAD
53	**Location:** Bldg. #109 -2-04		
	Description: Brown, Homogeneous, Mastic On 12x12 FT		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-54A 54	504111407-86 **Location:** Bldg. #109 -2-04	*No*	NAD

Description: Brown/Off-White, Heterogeneous, 2'x4' Ceiling Tile
Asbestos Types:
Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %

109-55A 55	504111407-87 **Location:** Bldg. #109 -2-04	*No*	NAD

Description: Black, Homogeneous, Covebase (Black)
Asbestos Types:
Other Material: Non-fibrous 100. %

109-55AM 55	504111407-88 **Location:**	*No*	NAD

Description: Off-White, Homogeneous, Covebase Mastic (Tan)
Asbestos Types:
Other Material: Non-fibrous 100. %

109-56A 56	504111407-89 **Location:** Bldg. #109 -2-04	*No*	NAD

Description: White, Heterogeneous, Joint Compound
Asbestos Types:
Other Material: Non-fibrous 100. %

109-57A 57	504111407-90 **Location:** Bldg. #109 -2-05	*No*	NAD

Description: Black, Homogeneous, Wall Panel Adhesive
Asbestos Types:
Other Material: Non-fibrous 100. %

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-52B 52	504111407-91 **Location:** Bldg. #109 -2-05	*No*	NAD

Description: Off-White, Heterogeneous, 12"x12" FT (Top)
Asbestos Types:
Other Material: Non-fibrous 100. %

109-53B 53	504111407-92 **Location:** Bldg. #109 -2-05	*No*	NAD

Description: Brown, Homogeneous, 12"x12" FT (Top) Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

109-58A 58	504111407-93 **Location:** Bldg. #109 -2-05	*Yes*	3.%

Description: Brown, Homogeneous, 12"x12" FT (Bottom)
Asbestos Types: Chrysotile 3. %
Other Material: Non-fibrous 97. %

109-59A 59	504111407-94 **Location:** Bldg. #109 -2-05	*No*	NAD

Description: Yellow, Homogeneous, 12"x12" FT (Bottom) Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

109-60A 60	504111407-95 **Location:** Bldg. #109 -2-06	*No*	NAD

Description: Brown, Homogeneous, Cementitious, Levelastic On Floor
Asbestos Types:
Other Material: Non-fibrous 100. %

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-54B 54	504111407-96 **Location:** Bldg. #109 -2-06	*No*	NAD

Description: Brown/Off-White, Heterogeneous, 2'x4' Suspended CT
Asbestos Types:
Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %

109-61A 61	504111407-97 **Location:** Bldg. #109 -2-01	*No*	NAD

Description: Yellow, Homogeneous, Fiberglass Mounting Pin Adhes.
Asbestos Types:
Other Material: Non-fibrous 100. %

109-49C 49	504111407-98 **Location:** Bldg. #109 -3-01 (On Old Wall-Pressboard)	*No*	NAD

Description: Brown, Homogeneous, Adhesive (Brown)
Asbestos Types:
Other Material: Non-fibrous 100. %

109-49D 49	504111407-99 **Location:** Bldg. #109 -3-01 (On Old Wall Pressboard)	*No*	NAD

Description: Brown, Homogeneous, Adhesive (Brown)
Asbestos Types:
Other Material: Non-fibrous 100. %

109-33E 33	504111407-100 **Location:** Bldg. #109 -3-01	*No*	NAD

Description: Off-White, Homogeneous, Window Glazing
Asbestos Types:
Other Material: Non-fibrous 100. %

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-48B 48	504111407-101 **Location:** Bldg. #109 -3-01	*No*	NAD

Description: Red, Homogeneous, Duct Seam Sealant (Red)
Asbestos Types:
Other Material: Non-fibroue 100. %

109-47B 47	504111407-102 **Location:** Bldg. #109 -3-01	*No*	NAD

Description: Grey, Homogeneous, Duct Seam Sealant (Grey)
Asbestos Types:
Other Material: Non-fibrous 100. %

109-50B 50	504111407-103 **Location:** Bldg. #109 -3-02	*No*	NAD

Description: Brown/Off-White, Heterogeneous, Sheetrock
Asbestos Types:
Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %

109-56B 56	504111407-104 **Location:** Bldg. #109 -3-02	*Yes*	2 %

Description: Off-White, Heterogeneous, Joint Compound
Asbestos Types: Chrysotile 2. %
Other Material: Non-fibrous 98. %

109-62A 62	504111407-105 **Location:** Bldg. #109 -3-02	*No*	NAD

Description: Brown, Homogeneous, Cementitious, Floro Coating On Metal
Asbestos Types:
Other Material: Non-fibrous 100. %

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-50C	504111407-106	*No*	NAD
50	**Location:** Bldg. #109 -3-03		
	Description: Brown/Off-White, Heterogeneous, Sheetrock		
	Asbestos Types:		
	Other Material: Cellulose 5. %, Fibrous glass 5. %, Non-fibrous 90. %		
109-56C	504111407-107	*Yes*	2 %
56	**Location:** Bldg. #109 -3-03		
	Description: Off-White, Heterogeneous, Joint Compound		
	Asbestos Types: Chrysotile 2. %		
	Other Material: Non-fibrous 98. %		
109-62B	504111407-108	*No*	NAD
62	**Location:** Bldg. #109 -3-03		
	Description: Brown, Homogeneous, Cementitious, Floor Coating On Metal		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
109-48C	504111407-109	*No*	NAD
48	**Location:** Bldg. #109 -P-01 (Penthouse)		
	Description: Red, Homogeneous, Duct Seam Sealant (Red)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/24/04
Date Examined 11/30/04

AmeriSci Job No. 504111407
P.O. # 05-81-0015

RE 81.01398.0042; GE Pittsfield; G.E. Bldgs. 107-115

Reporting Notes:

Analyzed by: Matthew J. Perry ; Date Analyzed: 11/30/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0): Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: _____

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8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/09/04
Date Examined 12/14/04

AmeriSci Job No.504121176
P.O. # 05-81-0015

RE 81.01398.0042; GE Bldgs. 107-115; GE Pittsfield

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109X-01A	504121176-01	*No*	NAD
1	**Location:** Bldg. 109 Exterior		
	Description: Beige, Homogeneous, Exterior Wall Point		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
109X-01B	504121176-02	*No*	NAD
1	**Location:** Bldg. 109 Exterior		
	Description: Beige, Homogeneous, Exterior Wall Point		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
109X-01C	504121176-03	*No*	NAD
1	**Location:** Bldg. 109 Exterior		
	Description: Beige, Homogeneous, Exterior Wall Point		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
109X-01D	504121176-04	*No*	NAD
1	**Location:** Bldg. 109 Exterior		
	Description: Beige, Homogeneous, Exterior Wall Point		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/09/04
Date Examined 12/14/04

AmeriSci Job No.504121176
P.O. # 05-81-0015

RE 81.01398.0042; GE Bldgs. 107-115; GE Pittsfield

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109X-01E	504121176-05	*Yes*	< 1.%
1			

Location: Bldg. 109 Exterior

Description: Grey, Heterogeneous, Exterior Wall Point
Asbestos Types: Chrysotile Trace
Other Material: Non-fibrous 100. %
Comment: Trace Result May Be From Cementitious Material Adhered To Paint.

109X-02A	504121176-06	*No*	NAD
2			

Location: Bldg. 109 Rm. 109-26, On FG Pipe Insulation

Description: Black, Homogeneous, Black Felt Paper
Asbestos Types:
Other Material: Cellulose 35. %, Non-fibrous 65. %

Reporting Notes:

Analyzed by: Steven P. Grise SPG ; Date Analyzed: 12/14/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By:_____

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/24/04
Date Examined 11/29/04

AmeriSci Job No.504111410
P.O. # 05-81-0015

RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 109 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-EXT-01A	504111410-01	*No*	NAD

Location: Roof
Description: Black, Heterogeneous, Built Up Roof Layers
Asbestos Types:
Other Material: Fibrous glass 5. %, Synthetic fibers 10. %, Non-fibrous 85. %

109-EXT-01B	504111410-02	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Built Up Roof Layers
Asbestos Types:
Other Material: Fibrous glass 5. %, Synthetic fibers 10. %, Non-fibrous 85. %

109-EXT-R01A	504111410-03	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Tar On Concrete
Asbestos Types:
Other Material: Cellulose 2. %, Non-fibrous 98. %

109-EXT-R01B	504111410-04	*Yes*	15 %

Location: Roof
Description: Black, Homogeneous, Tar On Concrete
Asbestos Types: Chrysotile 15. %
Other Material: Non-fibrous 85. %

109-EXT-02A	504111410-05	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Built Up Roof Layers
Asbestos Types:
Other Material: Cellulose 40. %, Non-fibrous 60. %

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/24/04
Date Examined 11/29/04

AmeriSci Job No.504111410
P.O. # 05-81-0015

RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 109 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-EXT-02B	504111410-06	*Yes*	< 1.%

Location: Roof
Description: Black, Heterogeneous, Built Up Roof Layers
Asbestos Types: Chrysotile Trace
Other Material: Cellulose 40. %, Non-fibrous 60. %

109-EXT-03A	504111410-07	*No*	NAD

Location: Roof
Description: Grey, Homogeneous, Grey Duct Sealant
Asbestos Types:
Other Material: Non-fibrous 100. %

109-EXT-04A	504111410-08	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Tar Sealant (On HVAC)
Asbestos Types:
Other Material: Non-fibrous 100. %

109-EXT-04B	504111410-09	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Tar Sealant (On HVAC)
Asbestos Types:
Other Material: Non-fibrous 100. %

109-EXT-05A	504111410-10	*Yes*	5 %

Location: Roof
Description: Red, Homogeneous, Duct Sealant (Red)
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/24/04
Date Examined 11/29/04

AmeriSci Job No.504111410
P.O. # 05-81-0015

RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 109 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-EXT-05B	504111410-11	*Yes*	5 %

Location: Roof
Description: Red, Homogeneous, Duct Sealant (Red)
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

109-EXT-06A	504111410-12	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Flashing
Asbestos Types:
Other Material: Cellulose 20. %, Non-fibrous 80. %

109-EXT-06B	504111410-13	*Yes*	15 %

Location: Roof
Description: Black, Homogeneous, Flashing
Asbestos Types: Chrysotile 15. %
Other Material: Non-fibrous 85. %

109-EXT-06C	504111410-14	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Flashing
Asbestos Types:
Other Material: Non-fibrous 100. %

109-EXT-07A	504111410-15	*Yes*	15 %

Location: Roof
Description: Black, Homogeneous, Flashing
Asbestos Types: Chrysotile 15. %
Other Material: Cellulose 5. %, Non-fibrous 80. %

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
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Date Received 11/24/04
Date Examined 11/29/04

AmeriSci Job No.504111410
P.O. # 05-81-0015

RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 109 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-EXT-07B	504111410-16	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Flashing
Asbestos Types:
Other Material: Non-fibrous 100. %

109-EXT-08A	504111410-17	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Stored Felt
Asbestos Types:
Other Material: Fibrous glass 35. %, Non-fibrous 65. %

109-EXT-09A	504111410-18	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Felt Under Rubber Membrane
Asbestos Types:
Other Material: Cellulose 65. %, Fibrous glass 5. %, Non-fibrous 30. %

109-EXT-09T	504111410-19	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Tar Under Rubber Membrane
Asbestos Types:
Other Material: Non-fibrous 100. %

109-EXT-10A	504111410-20	*Yes*	5 %

Location: Roof (Under Foam Insulation)
Description: Black, Heterogeneous, Tar Felt paper On Concrete
Asbestos Types: Chrysotile 5. %
Other Material: Cellulose 50. %, Fibrous glass 5. %, Non-fibrous 40. %

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
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Date Received 11/24/04
Date Examined 11/29/04

AmeriSci Job No.504111410
P.O. # 05-81-0015

RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 109 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-EXT-11A	504111410-21	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Sealant On Rubber Membrane
Asbestos Types:
Other Material: Non-fibrous 100. %

109-EXT-12A	504111410-22	*No*	NAD

Location: Roof
Description: Off-White, Homogeneous, End Coatin On Fiberglass Ins.
Asbestos Types:
Other Material: Cellulose 2. %, Non-fibrous 98. %

109-EXT-13A	504111410-23	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Tar On Steel Deck
Asbestos Types:
Other Material: Non-fibrous 100. %

109-EXT-14A	504111410-24	*Yes*	2 %

Location: Roof
Description: Silver/Black, Heterogeneous, Paint (Silver With Black)
Asbestos Types: Chrysotile 2. %
Other Material: Non-fibrous 98. %

109-EXT-14B	504111410-25	*Yes*	4 %

Location: Roof
Description: Silver/Black, Heterogeneous, Paint (Silver With Black)
Asbestos Types: Chrysotile 4. %
Other Material: Non-fibrous 96. %

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/24/04
Date Examined 11/29/04

AmeriSci Job No.504111410
P.O. # 05-81-0015

RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 109 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
109-EXT-15A	504111410-26	*Yes*	< 1.%

Location: Roof

Description: Black, Homogeneous, Flashing
Asbestos Types: Chrysotile Trace
Other Material: Cellulose 15. %, Non-fibrous 85. %
Comment: Trace Chrysotile likely due to contamination from another material

109-EXT-16A	504111410-27	*Yes*	15 %

Location: Roof (On Rubber Roof Membrane)

Description: Black, Homogeneous, Sealant (Grey)
Asbestos Types: Chrysotile 15. %
Other Material: Non-fibrous 85. %

Reporting Notes:

Analyzed by: John A. Burns ; Date Analyzed: 11/29/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By:

Relinquished by:	Greg Morsch	Date/Time:	11/23/04
Received by:	Angela Bregoli	Date/Time:	11/24/04 1000
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

[redacted]

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5041114 07

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334 FAX (781) 337-7642

Company Name: ATC Associates, Inc.
Company Address: 39 Spruce Street
City: East Longmeadow State: MA Zip: 01028

[redacted]
Fax: (413) 525-8227
Results to: Sandy Fabian
Verbal Results: Yes No
Cell or Pager #:
Site Fax:
Additional Fax:

Project Name: GE Bldgs 107-115
Project Address: GE Pittsfield
Project Manager: ~~Adam Lasko~~ DERRICK WISSMAN
Project Number: 81.01398.0042
Sampled by: Greg Morsch Date: 11/19/04

Analysis Type: (PLM) & TEM
Positive Stop: Yes (No)
Turnaround Time: 5 days
Fax Copy by:
Return Samples: Yes No

Special Instructions or Comments: Building #109

Lab ID	Field ID	Location	Sample Description	Homogenous Area #	
1	109-01A	BLDG#109 - Hallway - Rm 109-01	12x12 GREEN FLOOR TILE	01A	−
2	109-02A	" " " " "	MASTIC - 12x12 GREEN F.T.	02A	− (TEM)
3	109-03A	" " " " "	LEVEL ASTIC	03A	
4	109-04A	" " " " "	2'x4' CEILING TILE	04A	−
5	109-05A	" " " " "	SKIM COAT ON WOOD	05A	+ 4%
6	109-05B	" " " " "	" " " "	05B	+ ↓
7	109-05C	" " " " "	" " " "	05C	+
8	109-06A	" " " " "	SHEET ROCK	06A	−
9	109-07A	" " " " "	JOINT COMPOUND	07A	+ 4%
10	109-08A	" " " " "	BLUE PAINT	08A	
11	109-09A	" " " Rm 109-02	12x12 ORANGE FLOOR TILE	09A	−
12	109-10A	" " " Rm-109-02	" " " " MASTIC	10A	−

Relinquished by:	Greg Morsch	Date/Time:	11/23/04
Received by:	Angela Megathli	Date/Time:	11/24/04 1100
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

[redacted]

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

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WEYMOUTH, MA 02189

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[redacted]

Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Call or Pager #:

Site Fax:

Additional Fax:

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Lasko~~ DERRICK WISSMAN

Project Number: 81.01348.0042

Sampled by: Greg Morsch Date: 11/19/04

Special Instructions or Comments: Bldg #109

Analysis Type: (PLM) & TEM

Positive Stop: (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Lab ID	Field ID	Location	Sample Description	Homogenous Area #	
14	109-12A	BLDG# 109 - Hallway - Rm#109-03	MASTIC FOR 9X9 TAN FLT	12A	
15	109-13A	" " " " "	2'X2' CEILING TILE	13A	
16 17	109-14A	Rm-109-04	12X12 WHITE/ MULTI COLOR FLECKS ERASTIC WALL PAINT BEHIND STEEL RADIATORS	14A	(m+) 10%
18	109-15A	" " Room 109-04		15A	
19	109-16A	" " " " "	WALL PANEL ADHESIVE.	16A	
20	109-17A	" " " " "	BTM SLATE MASTIC	17A.	+ 10%
21	109-12B	" " " " "	9X9 TAN FLT MASTIC	12B	- (TEM)
22	109-~~04~~ 04B	" " " " "	2x4 CEILING TILE	04B	
23	109-06B	" " Rm-109-10	SHEET ROCK	06B	
24	109-07B	" " " " "	JOINT COMPOUND	07B	
	109-18A	" " " " "	SINK COUNTER CAULK	18A	
	109-19A	" " " " "	CERAMIC TILE ADHESIVE	19A	

Relinquished by:	Greg Morsch	Date/Time:	11/23/04
Received by:	Angela Mezzetti	Date/Time:	11/24/04 1000
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Company Name:	ATC Associates, Inc.	Ameri Spi Emergency Pagers	8 SCHOOL STREET
Company Address:	39 Spruce Street	(781) 317-1522	WEYMOUTH, MA 02189
City: East Longmeadow	State: MA Zip: 01028	(781) 649-2873	(781) 337-9334 FAX (781) 337-7642

5041111407

Fax: (413) 525-8227	Project Name: GE Bldgs 107-115	Analysis Type: PLM & TEM
Results to: Sandy Fabian	Project Address: GE Pittsfield	Positive Stop: Yes (No)
Verbal Results: Yes No	Project Manager: ~~Adam Lesko~~ Derrick Wissman	Turnaround Time: 5 days
Cell or Pager #:	Project Number: 81.01398.0042	Fax Copy by:
Site Fax:	Sampled by: Greg Morsch Date: 11/19/04	Return Samples: Yes No
Additional Fax:	Special Instructions or Comments: Bldg #109	

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	109-21A	BLDG#109 - Rm-109-10	OLD CERAMIC TILE ADHESIVE	21A
	109-22A	" " " " "	" " " GROUT	22A
	109-13B	" " Room 109-11	2x2 CEILING TILE	13B
	109-23A	" " " " "	4" BROWN COVE BASE & MASTIC	23A
	109-24A	" " " " "	SHEET ROCK	24A
	109-25A	" " " " "	JOINT COMPOUND	25A
	109-22B	" " Rm-109-12	CERAMIC TILE GROUT	22B
	109-26A	" " " " "	CEMENTICIOUS WALL BOARD	26A
	109-27A	" " Rm-109-13	CEILING INSULATION/FIBER GLASS PAPER	27A
	109-28A	" " Rm-109-14	12x12 FLOOR TILE	28A
	109-29A	" " " " "	12x12 FLOOR TILE MASTIC	29A
	109-30A	" " Rm-109-15	TAN 12x12 FLOOR TILE	30A

+2%

Relinquished by:	Greg Morsch	Date/Time:	11/23/04
Received by:	Angela Magnoli	Date/Time:	11/24/04
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

[redacted]

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

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[redacted]

Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Lesko~~ DERRICK WESSMAN

Project Number: 81.01398.0042

Sampled by: Greg Morsch Date: 11/19/04

Special Instructions or Comments: Bldg #109

Analysis Type: PLM & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Lab ID	Field ID	Location	Sample Description	Homogenous Area #	
	109-32A	BLDG #109 - Rm #109-15	4" BLACK COVE BASE & MASTIC	32A	- m
	109-14B	" " Rm #109-16	12x12 WHITE FT. W/ MULTI-COLOR FLECKS & MASTIC	14B	+ + m
	109-11B	" " " " "	9x9 FLOOR TILE - TAN	11B	+ 5%
	109-12B	" " " " "	" " " " " MASTIC	12B	+ 10%
	109-06C	" " " " "	SHEET ROCK	06C	-
	109-07C	" " " " "	JOINT COMPOUND	07C	-

Relinquished by:	Greg Mersch	Date/Time:	12/8/04
Received by:	[illegible]	Date/Time:	12/9/04 10:20
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

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Company Name: ATC Associates, Inc.
Company Address: 39 Spruce Street
City: East Longmeadow State: MA Zip: 01028

[redacted]
Fax: (413) 525-8227
Results to: Sandy Fabian
Verbal Results: Yes No
Cell or Pager #:
Site Fax:
Additional Fax:

Project Name: GE Bldgs 107-115
Project Address: GE Pittsfield
Project Manager: ~~Adam Lesko~~ D. Wissman
Project Number: 81.01398.0042
Sampled by: G. Mersch Date: 12/8/04

Analysis Type: (PLM) & TEM
Positive Stop: Yes (No)
Turnaround Time: 5 days
Fax Copy by:
Return Samples: Yes No

Special Instructions or Comments: Bldg 109 Exterior

Lab ID	Field ID	Location	Sample Description	Homoge Area
	109X-01A	Bldg 109 Exterior	Exterior wall paint	1
	109X-01B	" " "	" " "	1
	109X-01C	" " "	" " "	1
	109X-01D	" " "	" " "	1
	109X-01E	" " "	" " "	1
	109X-02A	Bldg 109 Rm 109-26	Black felt paper on fg pipe insulatio	2

504111410

Relinquished by: Edward Kolodziej	Date/Time: 11/23/04	SCITAB	
Received by: Angela Magnotti	Date/Time: 11/24/04 1000		
Relinquished by:	Date/Time:		
Received by:	Date/Time:	8 SCHOOL STREET WEYMOUTH, MA 02189 (781) 337-9334 FAX: (781) 337-7642	
Relinquished by:	Date/Time:		
Project Name: GE Plastics Bldgs. 107-115			
Project Number: 81.01398.0042			
Project Address: Bldg. 109 – Exterior			

Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date: 11/17/04
Positive Stop:	No	Project Manager:	Derrick Wissman	
Turnaround Time	5 Days	Results To:	Edward Kolodziej	
Fax Copy By:	413-525-8227		Emergency Pager:	
Hard Copy By:	413-525-1198		Additional Fax No.	

Special Instructions or Comments **Analyze all Layers**

Lab ID	Field ID	Location	Sample Description
	109-EXT-01A	Roof	Built-up Roof Layers
	109-EXT-01B	Roof	Built-up Roof Layers
	109-EXT-R01A	Roof	Tar on Concrete
	109-EXT-R01B	Roof	Tar on Concrete
	109-EXT-02A	Roof	Built-up Roof Layers
	109-EXT-02B	Roof	Built-up Roof Layers
	109-EXT-03A	Roof	Gray Duct Sealant
	109-EXT-04A	Roof	Tar Sealant (on HVAC)
	109-EXT-04B	Roof	Tar Sealant (on HVAC)
	109-EXT-05A	Roof	Red Duct Sealant
	109-EXT-05B	Roof	Red Duct Sealant
	109-EXT-06A	Roof	Flashing
	109-EXT-06B	Roof	Flashing
	109-EXT-06C	Roof	Flashing
	109-EXT-07A	Roof	Flashing
	109-EXT-07B	Roof	Flashing
	109-EXT-08A	Roof	Stored Felt

Relinquished by:	Edward Kolodziej (signature)	Date/Time:	11/23/04
Received by:	Angela Mazzoli (signature)	Date/Time:	11/24/04 1000
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Project Name:	GE Plastics Bldgs. 107-115		
Project Number:	81.01398.0042		
Project Address:	Bldg. 109 – Exterior		

SCILAB
8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Analysis Type:	PLM	Sampled By:	Edward Kolodziej (signature)	Date: 11/17/04
Positive Stop:	No	Project Manager:	Derrick Wissman	
Turnaround Time	5 Days	Results To:	Edward Kolodziej	
Fax Copy By:	413-525-8227			Emergency Pager:
Hard Copy By:	413-525-1198			Additional Fax No.

Special Instructions or Comments **Analyze all Layers**

Lab ID	Field ID	Location	Sample Description
	109-EXT-09A	Roof	Felt & Tar under Rubber Membrane
	109-EXT-10A	Roof	Tar Felt Paper on concrete (under foam insulation)
	109-EXT-11A	Roof	Sealant on Rubber Membrane
	109-EXT-12A	Roof	End Coating on Fiberglass Insulation
	109-EXT-13A	Roof	Tar on Steel Deck
	109-EXT-14A	Roof	Silver w/Black Paint
	109-EXT-14B	Roof	Silver w/Black Paint
	109-EXT-15A	Roof	Flashing
	109-EXT-16A	Roof	Gray Sealant (on Rubber Roof Membrane)

BUILDING 109

LABORATORY REPORTS/CHAIN-OF-CUSTODY (TEM)

Table I

Summary of Bulk Asbestos Analysis Results

81.01398.0042; GE Bldgs 107-115; GE Pittsfield; Bldg. 109

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	109-01A		0.401	20.20	70.82	8.98	NA	NAD
02	Bldg. #109-Hallway-Rm. 109-01 109-02A		0.072	54.17	37.50	8.23	NA	Chrysotile Trace
03	Bldg. #109-Hallway-Rm. 109-01 109-09A		0.43	17.21	76.98	5.81	NA	NAD
04	Bldg. #109-Hallway-Rm. 109-02 109-10A		0.29	86.90	8.97	4.14	NA	NAD
05	Bldg. #109-Hallway-Rm. 109-02 109-29A		0.142	25.35	71.13	3.27	NA	Chrysotile <1.0
06	Bldg. #109-Hallway-Rm. 109-14 109-32A		0.24	50.42	5.42	44.17	NA	NAD
07	Bldg. 109-Rm. 109-15 109-33A		0.369	13.82	71.27	10.41	NA	Chrysotile 4.5
08	109-17 109-35A		0.212	62.74	2.83	34.33	NA	Chrysotile Trace
09	109-19 109-47A		0.238	42.02	38.24	19.75	NA	NAD
10	109-24 109-48A		0.123	56.10	35.77	8.13	NA	NAD
11	109-24 109-49A		0.189	41.80	23.28	34.92	NA	NAD
	109-2-02							

AmeriSci Job #: 204123074

Client Name: ATC Associates

Table I

Summary of Bulk Asbestos Analysis Results

81.01398.0042; GE Bldgs 107-115; GE Pittsfield; Bldg. 109

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
12	109-53A 109-2-04		0.092	15.22	79.35	5.33	NA	Chrysotile Trace

Analyzed by: Marik Peysakhov; Date Analyzed 12/26/2004

Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.1/198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843. NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

Client Name: ATC Associates

Table I
Summary of Bulk Asbestos Analysis Results
71.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 109- Exterior

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	109-EXT-01A Roof		0.386	82.38	6.74	10.78	NA	Chrysotile Trace
02	109-EXT-02B Roof		1.401	37.62	0.93	61.36	NA	Chrysotile Trace
03	109-EXT-03A Roof		0.554	43.68	32.31	24.01	NA	NAD
04	109-EXT-04A Roof		0.627	50.56	7.66	41.79	NA	NAD
05	109-EXT-09A Roof		0.51	86.27	0.98	12.75	NA	NAD
06	109-EXT-13A Roof		1.534	74.84	3.59	21.48	NA	Chrysotile Trace

Analyzed by: Paul J. Mucha Paul J Mucha ; Date Analyzed 12/27/2004

Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.1/198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843, NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).

Reviewed By: Paul Mucha

504111410

Relinquished by:		Date/Time: 11/23/04
Received by:	Angela Montgomerie	Date/Time: 11/24/04 10:00
Relinquished by:		Date/Time:
Received by:		Date/Time: 12/29/04 10:30
Relinquished by:		Date/Time:

[redacted]

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Project Name:	GE Plastics Bldgs. 107-115				
Project Number:	81.01398.0042				
Project Address:	Bldg. 109 – Exterior				
Analysis Type:	PLM	Sampled By:	Edward Kolodziej		Date: 11/17/04
Positive Stop:	No	Project Manager:	Derrick Wissman		
Turnaround Time	5 Days	Results To:	Edward Kolodziej		
Fax Copy By:	413-525-8227			Emergency Pager:	
Hard Copy By:	413-525-1198			Additional Fax No.	
Special Instructions or Comments	**Analyze all Layers**				

Lab ID	Field ID	Location	Sample Description
1	109-EXT-01A	Roof	Built-up Roof Layers
2	109-EXT-01B	Roof	Built-up Roof Layers
3	109-EXT-R01A	Roof	Tar on Concrete
4	109-EXT-R01B	Roof	Tar on Concrete
5	109-EXT-02A	Roof	Built-up Roof Layers
6	109-EXT-02B	Roof	Built-up Roof Layers
7	109-EXT-03A	Roof	Gray Duct Sealant
8	109-EXT-04A	Roof	Tar Sealant (on HVAC)
9	109-EXT-04B	Roof	Tar Sealant (on HVAC)
10	109-EXT-05A	Roof	Red Duct Sealant
11	109-EXT-05B	Roof	Red Duct Sealant
12	109-EXT-06A	Roof	Flashing
13	109-EXT-06B	Roof	Flashing
14	109-EXT-06C	Roof	Flashing
15	109-EXT-07A	Roof	Flashing
16	109-EXT-07B	Roof	Flashing
17	109-EXT-08A	Roof	Stored Felt

20412312 0

504111410

Relinquished by:		Date/Time: 11/23/04	[redacted]
Received by:		Date/Time: 11/24/04 1000	
Relinquished by:		Date/Time:	
Received by:		Date/Time: 12/24/04 11:30	8 SCHOOL STREET WEYMOUTH, MA 02189 (781) 337-9334 FAX: (781) 337-7642
Relinquished by:		Date/Time:	
Project Name:	GE Plastics Bldgs. 107-115		
Project Number:	81.01398.0042		
Project Address:	Bldg. 109 – Exterior		

Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date: 11/17/04
Positive Stop:	No	Project Manager:	Derrick Wissman	
Turnaround Time	5 Days	Results To:	Edward Kolodziej	
Fax Copy By:	413-525-8227			Emergency Pager:
Hard Copy By:	413-525-1198			Additional Fax No.
Special Instructions or Comments	**Analyze all Layers**			

Lab ID	Field ID	Location	Sample Description
18 19	109-EXT-09A	Roof	Felt & Tar under Rubber Membrane
20	109-EXT-10A	Roof	Tar Felt Paper on concrete (under foam insulation)
21	109-EXT-11A	Roof	Sealant on Rubber Membrane
22	109-EXT-12A	Roof	End Coating on Fiberglass Insulation
23	109-EXT-13A	Roof	Tar on Steel Deck
24	109-EXT-14A	Roof	Silver w/Black Paint
25	109-EXT-14B	Roof	Silver w/Black Paint
26	109-EXT-15A	Roof	Flashing
27	109-EXT-16A	Roof	Gray Sealant (on Rubber Roof Membrane)

20412312 0

ATTACHMENT E

SUMMARY OF ASBESTOS RESULTS

(BUILDING 110)

Asbestos & Lead Inspection Report
GE Advanced Materials
Site No. 1 Demolition Project
Pittsfield, Massachusetts

December 29, 2004

BUILDING 110

SUMMARY OF POSITIVE ASBESTOS-CONTAINING MATERIALS

BUILDING 110

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
#110-1-01 Hallway	12x12 Floor Tile And Mastic	410 SF	
#110-1-02	Electrical Boxes	5 EA	Includes wire, transite, switches, etc.
#110-1-2	Old Light Fixture Gasket	1 EA	
#110-1-03	Lab-Type Sink Counter Top	12 SF	
#110-1-03	Old Light Fixture Gasket	3 EA	
#110-1-04	Electrical Boxes	6 EA	Includes wire, transite, switches, etc.
#110-1-04 HV (High Voltage)	Electrical Boxes	5 EA	Includes wire, transite, switches, etc.
#110-1-04 HV (High Voltage)	Old Light Fixture Gasket	2 EA	
#110-1-05	Old Light Fixture Gasket	14 EA	
#110-1-06	Old Light Fixture Gasket	1 EA	
#110-1-07	Old Light Fixture Gasket	4 EA	
#110-1-08	Old Light Fixture Gasket	1 EA	
#110-1-10	Old Light Fixture Gasket	11 EA	
#110-1-11	Electrical Boxes	4 EA	Includes wire, transite, switches, etc.
#110-1-11	Old Light Fixture Gasket	1 EA	
#110-1-13	12x12 Floor Tile And Mastic	154 SF	Double-layer floor tiles
#110-1-13	Transite Lined Lab Fume Hoods	2 EA	
#110-1-14	12x12 Floor Tile And Mastic	304 SF	
110-1-14A	Electrical Boxes	4 EA	Includes wire, transite, switches, etc.
#110-1-15	Joint Compound	336 SF	Includes sheetrock
#110-1-15	12x12 Floor Tile And Mastic	280 SF	
#110-1-15	Lab Counter Top	60 SF	
#110-1-16	Joint Compound	294 SF	Includes sheetrock
#110-1-16	12x12 Floor Tile And Mastic	231 SF	
#110-1-17	Electrical Boxes	1 EA	Includes wire, transite, switches, etc.
#110-1-18 Hallway	Old Light Fixture Gasket	1 EA	

BUILDING 110

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
#110-1-19	Old Light Fixture Gasket	1 EA	Above ceiling
#110-1-22	12x12 Floor Tile And Mastic	168 SF	
#110-1-22	Gaskets	25 EA	
#110-1-22	Valve Packings	4 EA	
#110-1-23	12x12 Floor Tile And Mastic	168 SF	
#110-1-24	Thermal System Insulation-Fittings With Fiberglass Insulation	2 EA	
#110-1-24	Electrical Boxes	2 EA	Includes wire, transite, switches, etc.
#110-1-24	Gaskets	3 EA	
#110-1-24	Valve Packings	1 EA	
#110-1-25	12x12 Floor Tile And Mastic	168 SF	
#110-1-25	Gaskets	7 EA	
#110-1-26	Aircell Pipe Insulation	12 LF	1 insulated fitting also
#110-1-26	12x12 Floor Tile And Mastic	240 SF	
#110-1-27	Electrical Boxes	10 EA	Includes wire, transite, switches, etc.
#110-1-28	9x9 Floor Tiles And Mastic	300 SF	
#110-1-28	Electrical Boxes	4 EA	Includes wire, transite, switches, etc.
#110-1-30	9x9 Floor Tiles And Mastic	144 SF	
#110-2-01	12x12 Floor Tile And Mastic	525 SF	9x9 tiles under 12x12 tiles
#110-2-01	Transite Lined Lab Fume Hoods	4 EA	
#110-2-01	Small Oven Units	2 EA	Includes all ACM
#110-2-02	12x12 Floor Tile And Mastic	300 SF	9x9 tiles under 12x12 tiles
#110-2-03	12x12 Floor Tile And Mastic	300 SF	9x9 tiles under 12x12 tiles
#110-2-02	Door Frame Caulking	1 EA	
#110-2-S (Stairwell)	Wall Transite Panels	100 SF	
Bldg #110 Interior and Exterior	Window Glazing And Caulking	30 EA	

BUILDING 110

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
Exterior Walls	Thermal System Insulation	6 LF	Adjacent to Bld. 13
Exterior Walls	Corrugated and Flat Sheet Transite on Walls and Windows	1,270 SF	
R1	Transite	6 SF	
R2	Gaskets	4 EA	
R2	Tar Coating on Fiberglass Insulation	35 LF	
R3	Transite	320 SF	
R4	Fire Door Insulation	1 EA	
R4	Transite	180 SF	Ceiling area
R5	Electrical Boxes	12 EA	Includes transite, wire, switches, etc.
R5	Gaskets	3 EA	
R6	Flashing	25 LF	On wall
R6	Mastic Under 12"x12" Floor Tile	200 SF	
R7	Electrical Boxes	2 EA	Includes transite, wire, switches, etc.
R7	Flashing	3 LF	On wall
R7	Mastic Under 12"x12" Floor Tile	100 SF	
R8	12"x12" Floor Tile	60 SF	
R8	Mastic Under 12"x12" Floor Tile	100 SF	Tiles not remaining in other rooms
R9	Mastic Under 12"x12" Floor Tile	200 SF	
R10	Electrical Boxes	10 EA	Includes transite, wire, switches, etc.
R10	Old Light Fixtures	2 EA	
Roof	Black Tar on Metal Roof	150 SF	New roof on 2nd level
Roof	Flashing Cement on Concrete	600 SF	Deck by transite hallway
Roof	Flashing Cement w/Felt Over Concrete	1,750 SF	Deck by block wall leading to 110 (R1 & R2 are included)

BUILDING 110

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
Roof	Flashing/Flashing Cement	1,250 SF	
Roof	Silver Paint	5,000 SF	On walls, deck, column, ceiling
Roof	Tar Coating on Fiberglass Insulation	2 LF	Outside of roof R4
Roof	Tar Duct Insulation	250 SF	On 1st and 2nd level roofs
Roof	Tar on Asphalt Roof Shingles	75 SF	Walkway to R4 & R5, also on transite stairwells
Roof	Transite	1,650 SF	
Roof	White Duct Sealant	30 LF	
Level 4 Roof	Silver Paint w/Felt Layers	600 SF	

Asbestos & Lead Inspection Report
GE Advanced Materials
Site No. 1 Demolition Project
Pittsfield, Massachusetts

December 29, 2004

BUILDING 110

SUMMARY OF NEGATIVE ASBESTOS-CONTAINING MATERIALS

BUILDING 110 SUMMARY OF NEGATIVE ASBESTOS-CONTAINING MATERIALS	
LOCATION	**MATERIAL**
Bldg 110	Interior paint
Bldg 110	Sheetrock (all areas except 110-1-16)
Bldg 110	Cove base and mastics
Bldg 110	Door frame caulking
Bldg 110	Fluorescent light wiring insulation
Bldg 110	Interior duct seam caulkings
Bldg 110	Floor paint and levelastics
Bldg 110	Flex connectors
#110-1-07	Thermal System Insulation-White "cal-sil" on pipe
#110-1-09	Black paper on fiberglass pipe insulation
Bldg 110	Suspended ceiling tiles
Bldg 110	Carpet adhesives
Bldg 110	Wall and ceiling plasters
Bldg 110	Ceramic tile grout and adhesive
Roof	Beige duct sealant
Roof	Red duct sealant
Roof	Tar on steel deck
Roof	Asphalt roof panel with tar paper
Roof	Asphalt Roof Shingle
Roof	Asphalt Roof Shingle with Felt Paper
Roof	Beige duct sealant (red duct sealant underneath)
Roof	Brown covebase
Roof	Built-up roof under rubber
Roof (R6, R7, R8, R9)	Sheetrock and joint compound
Roof (R10)	Levelastic
Roof	Rubber felt layer over insulation board
Roof (R2)	Skim coat on fiberglass insulation
Roof	Tar on steel deck

BUILDING 110

LABORATORY REPORTS/CHAIN-OF-CUSTODY (PLM)

AMERI SCI

AmeriSci Boston
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/02/04
Date Examined 12/07/04

AmeriSci Job No.504121069
P.O. # 05-81-0015
Page 1 **of** 11

RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #110

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-01A 01A	504121069-01 **Location:** G.E. Bldg. #110 - Rm. 110-1-01	*Yes*	3 %
	Description: Grey, Homogeneous, 12"x12" FT **Asbestos Types:** Chrysotile 3. % **Other Material:** Non-fibrous 97. %		
110-02A 02A	504121069-02 **Location:** G.E. Bldg. #110 - Rm. 110-1-01	*Yes*	7 %
	Description: Black, Homogeneous, 12"x12" FT Mastic **Asbestos Types:** Chrysotile 7. % **Other Material:** Non-fibrous 93. %		
110-03A 03A	504121069-03 **Location:** G.E. Bldg. #110 - Rm. 110-1-01	*No*	NAD
	Description: Black, Homogeneous, Covebase (Black) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
110-03AM 03A	504121069-04 **Location:** G.E. Bldg. #110 - Rm. 110-1-01	*No*	NAD
	Description: Brown, Homogeneous, Covebase (Black) Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
110-04A 04A	504121069-05 **Location:** G.E. Bldg. #110 - Rm. 110-1-01	*No*	NAD
	Description: Brown/Off-White, Homogeneous, Sheetrock **Asbestos Types:** **Other Material:** Cellulose 15. %, Non-fibrous 85. %		

AMERI SCI

AmeriSci Boston
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/02/04
Date Examined 12/07/04

AmeriSci Job No.504121069
P.O. # 05-81-0015
Page 2 **of** 11

RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #110

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-05A 05A	504121069-06 **Location:** G.E. Bldg. #110 - Rm. 110-1-01	*No*	NAD

Description: Off-White, Homogeneous, Joint Compound
Asbestos Types:
Other Material: Non-fibrous 100. %

10-06A 06A	504121069-07 **Location:** G.E. Bldg. #110 - Rm. 110-1-01	*No*	NAD

Description: Off-White, Homogeneous, Window Glazing
Asbestos Types:
Other Material: Non-fibrous 100. %

110-07A 07A	504121069-08 **Location:** G.E. Bldg. #110 - Rm. 110-1-02	*No*	NAD

Description: Off-White, Homogeneous, Door Caulk
Asbestos Types:
Other Material: Non-fibrous 100. %

110-08A 08A	504121069-09 **Location:** G.E. Bldg. #110 - Rm. 110-1-02	*Yes*	20 %

Description: Beige, Homogeneous, Light Fixture Gasket
Asbestos Types: Chrysotile 20. %
Other Material: Non-fibrous 80. %

110-09A 09A	504121069-10 **Location:** G.E. Bldg. #110 - Rm. 110-1-03	*No*	NAD

Description: Off-White, Homogeneous, Interior Window Caulking
Asbestos Types:
Other Material: Non-fibrous 100. %

AMERI SCI

AmeriSci Boston
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/02/04
Date Examined 12/07/04

AmeriSci Job No.504121069
P.O. # 05-81-0015
Page 3 **of** 11

RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #110

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-10A 10A	504121069-11 **Location:** G.E. Bldg. #110 - Rm. 110-1-04	*No*	NAD

Description: Multi-Colored, Homogeneous, Paint On Column
Asbestos Types:
Other Material: Non-fibrous 100. %

110-11A 11A	504121069-12 **Location:** G.E. Bldg. #110 - Rm. 110-1-06	*No*	NAD

Description: Red, Homogeneous, Floor Paint
Asbestos Types:
Other Material: Non-fibrous 100. %

110-12A 12A	504121069-13 **Location:** G.E. Bldg. #110 - Rm. 110-1-07	*No*	NAD

Description: Off-White, Homogeneous, Thermal Magnesia Pipe Insul.
Asbestos Types:
Other Material: Synthetic fibers 20. %, Non-fibrous 80. %

110-01B 1B	504121069-14 **Location:** G.E. Bldg. #110 - Rm. 110-1-13	*Yes*	3 %

Description: Grey, Homogeneous, 12"x12" FT
Asbestos Types: Chrysotile 3. %
Other Material: Non-fibrous 97. %

110-13A 13A	504121069-15 **Location:** G.E. Bldg. #110 - Rm. 110-1-13	*No*	NAD

Description: Yellow, Homogeneous, 12"x12" FT Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/02/04
Date Examined 12/07/04

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #110

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-14A 14A	504121069-16 **Location:** G.E. Bldg. #110 - Rm. 110-1-13	*Yes*	5 %

Description: Tan, Homogeneous, 9"x9" FT
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

110-15A 15A	504121069-17 **Location:** G.E. Bldg. #110 - Rm. 110-1-13	*Yes*	10 %

Description: Black, Homogeneous, 9"x9" FT Mastic
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

110-03B 03B	504121069-18 **Location:** G.E. Bldg. #110 - Rm. 110-1-13	*No*	NAD

Description: Black, Homogeneous, Covebase (Black)
Asbestos Types:
Other Material: Non-fibrous 100. %

110-03BM 03B	504121069-19 **Location:** G.E. Bldg. #110 - Rm. 110-1-13	*No*	NAD

Description: Brown, Homogeneous, Covebase (Black) Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

110-16A 16	504121069-20 **Location:** G.E. Bldg. #110 - Rm. 110-1-13	*No*	NAD

Description: Red, Homogeneoue, Levelastic (Red)
Asbestos Types:
Other Material: Non-fibrous 100. %

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #110

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-17A	504121069-21	*No*	NAD
17A	**Location:** G.E. Bldg. #110 - Rm. 110-1-16		
	Description: Brown, Homogeneous, Covebase (Brown)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
110-17AM	504121069-22	*No*	NAD
17A	**Location:** G.E. Bldg. #110 - Rm. 110-1-16		
	Description: Brown, Homogeneous, Covebase (Brown) Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
110-04B	504121069-23	*No*	NAD
04B	**Location:** G.E. Bldg. #110 - Rm. 110-1-16		
	Description: Grey/Brown, Homogeneous, Sheetrock		
	Asbestos Types:		
	Other Material: Cellulose 15. %, Non-fibrous 85. %		
110-18A	504121069-24	*No*	NAD
18A	**Location:** G.E. Bldg. #110 - Rm. 110-1-16		
	Description: Grey/Off-White, Homogeneous, 2'x4' CT		
	Asbestos Types:		
	Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %		
110-05B	504121069-25	*Yes*	2 %
05B	**Location:** G.E. Bldg. #110 - Rm. 110-1-16		
	Description: Tan, Homogeneous, Joint Compound		
	Asbestos Types: Chrysotile 2. %		
	Other Material: Non-fibrous 98. %		

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #110

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-05C	504121069-26	*No*	NAD
05C	**Location:** G.E. Bldg. #110 - Rm. 110-1-18		
	Description: Off-White, Homogeneous, Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
110-04C	504121069-27	*No*	NAD
04C	**Location:** G.E. Bldg. #110 - Rm. 110-1-20		
	Description: Brown/Off-White, Homogeneous, Sheetrock		
	Asbestos Types:		
	Other Material: Cellulose 12. %, Fibrous glass 3. %, Non-fibrous 85. %		
110-19A	504121069-28	*No*	NAD
19A	**Location:** G.E. Bldg. #110 - Rm. 110-1-20		
	Description: Brown, Homogeneous, Carpet Adhesive		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
110-17B	504121069-29	*No*	NAD
17B	**Location:** G.E. Bldg. #110 - Rm. 110-1-20		
	Description: Brown, Homogeneous, Covebase (Brown)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
110-17BM	504121069-30	*No*	NAD
17B	**Location:** G.E. Bldg. #110 - Rm. 110-1-20		
	Description: Brown, Homogeneous, Covebase (Brown) Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #110

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-04D 04D	504121069-31 **Location:** G.E. Bldg. #110 - Rm. 110-1-23	*No*	NAD
	Description: Brown/Off-White, Homogeneous, Sheetrock **Asbestos Types:** **Other Material:** Cellulose 15. %. Non-fibrous 85. %		
110-05D 05D	504121069-32 **Location:** G.E. Bldg. #110 - Rm. 110-1-23	*No*	NAD
	Description: Off-White, Homogeneous, Joint Compound **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
110-20A 20A	504121069-33 **Location:** G.E. Bldg. #110 - Rm. 110-1-23	*No*	NAD
	Description: Off-White, Homogeneous, Exterior Window Caulking **Asbestos Types:** **Other Material:** Wollastonite 2. %, Non-fibrous 98. %		
110-06B 06B	504121069-34 **Location:** G.E. Bldg. #110 - Rm. 110-1-26	*No*	NAD
	Description: Grey, Homogeneous, Window Caulking **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
110-21A 21A	504121069-35 **Location:** G.E. Bldg. #110 - Rm. 110-1-01	*Yes*	2 %
	Description: Tan, Homogeneous, 12"x12" FT **Asbestos Types:** Chrysotile 2. % **Other Material:** Non-fibrous 98. %		

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #110

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-22A 22A	504121069-36 **Location:** G.E. Bldg. #110 - Rm. 110-1-01	*No*	NAD
	Description: Yellow, Homogeneous, 12"x12" FT Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
110-23A 23A	504121069-37 **Location:** G.E. Bldg. #110 - Rm. 110-1-01	*Yes*	4 %
	Description: Tan, Homogeneous, 9"x9" FT **Asbestos Types:** Chrysotile 4. % **Other Material:** Non-fibrous 96. %		
110-24A 24A	504121069-38 **Location:** G.E. Bldg. #110 - Rm. 110-1-01	*No*	NAD
	Description: Black, Homogeneous, 9"x9" FT Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
110-25A 25A	504121069-39 **Location:** G.E. Bldg. #110 - Rm. 110-1-01	*No*	NAD
	Description: Grey, Homogeneous, Ceramic FT Grout **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
110-16B 16B	504121069-40 **Location:** G.E. Bldg. #110 - Rm. 110-1-01	*No*	NAD
	Description: Red, Homogeneous, Levelastic (Red) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #110

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-26A 26A	504121069-41 **Location:** G.E. Bldg. #110 - Rm. 110-1-04	*No*	NAD

Description: Grey, Homogeneous, Duct Sealant
Asbestos Types:
Other Material: Non-fibrous 100. %

110-26B 26B	504121069-42 **Location:** G.E. Bldg. #110 - Rm. 110-1-13	*No*	NAD

Description: Off-White, Homogeneous, Duct Sealant
Asbestos Types:
Other Material: Non-fibrous 100. %

110-26C 26C	504121069-43 **Location:** G.E. Bldg. #110 - Rm. 110-1-03	*No*	NAD

Description: Red, Homogeneous, Duct Sealant
Asbestos Types:
Other Material: Non-fibrous 100. %

110-27A 27A	504121069-44 **Location:** G.E. Bldg. #110 - Rm. 110-1-16	*No*	NAD

Description: Multi-Colored, Heterogeneous, Light Fixture Wire
Asbestos Types:
Other Material: Non-fibrous 100. %

110-28A 28A	504121069-45 **Location:** G.E. Bldg. #110 - Rm. 110-1-09	*No*	NAD

Description: Black, Homogeneous, Tar Paper (Blk) On Fiberglass
Asbestos Types:
Other Material: Cellulose 30. %, Non-fibrous 70. %

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #110

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-29A	504121069-46	*No*	NAD
29A	**Location:** G.E. Bldg. #110 - Rm. 110-2-03		
	Description: Off-White, Homogeneous, Skim Coat		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
110-29B	504121069-47	*No*	NAD
29B	**Location:** G.E. Bldg. #110 - Rm. 110-2-03		
	Description: Off-White, Homogeneous, Skim Coat		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
110-29C	504121069-48	*No*	NAD
29C	**Location:** G.E. Bldg. #110 - Rm. 110-2-02		
	Description: Off-White, Homogeneous, Skim Coat		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
110-30A	504121069-49	*No*	NAD
30A	**Location:** G.E. Bldg. #110 - Rm. 110-2-03		
	Description: Grey, Homogeneous, Base Coat		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
110-30B	504121069-50	*No*	NAD
30B	**Location:** G.E. Bldg. #110 - Rm. 110-2-02		
	Description: Grey, Homogeneous, Base Coat		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #110

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-30C	504121069-51	*No*	NAD
30C	**Location:** G.E. Bldg. #110 - Rm. 110-2-02		

Description: Grey, Homogeneous, Base Coat
Asbestos Types:
Other Material: Non-fibrous 100. %

110-31A	504121069-52	*No*	NAD
31A	**Location:** G.E. Bldg. #110 - Rm. 110-2-02		

Description: Brown/Off-White, Homogeneous, Sheetrock
Asbestos Types:
Other Material: Cellulose 15. %, Non-fibrous 85. %

110-32A	504121069-53	*Yes*	5 %
32A	**Location:** G.E. Bldg. #110 - Rm. 110-2-02		

Description: Grey, Homogeneous, Door Caulk
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

Reporting Notes:

Analyzed by: Steven P. Grise SPG ; Date Analyzed: 12/1/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: _____

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PLM Bulk Asbestos Report

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AmeriSci Job No.504121104
P.O. # 05-81-0015

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 110 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-EXT-01A	504121104-01	*Yes*	5 %

Location: Roof

Description: Silver/Black, Homogeneous, Flashing Cement on Concrete
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

110-EXT-01B	504121104-02	*Yes*	5 %

Location: Roof

Description: Black, Homogeneous, Flashing Cement on Concrete
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

110-EXT-02A	504121104-03	*Yes*	5 %

Location: Roof

Description: Black, Homogeneous, Flash Cement W/ Felt Over Conc
Asbestos Types: Chrysotile 5. %
Other Material: Cellulose 20. %, Synthetic fibers 15. %, Non-fibrous 60. %

110-EXT-02B	504121104-04	*Yes*	15 %

Location: Roof

Description: Black, Homogeneous, Flash Cement W/ Felt Over Conc
Asbestos Types: Chrysotile 15. %
Other Material: Cellulose 30. %, Non-fibrous 55. %

110-EXT-03A	504121104-05	*Yes*	5 %

Location: Roof

Description: White, Homogeneous, White Duct Sealant
Asbestos Types: Chrysotile 5. %
Other Material: Fibrous Talc Trace, Non-fibrous 95. %

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RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 110 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-EXT-03B	504121104-06	*Yes*	5 %

Location: Roof
Description: White, Homogeneous, White Duct Sealant
Asbestos Types: Chrysotile 5. %
Other Material: Fibrous Talc Trace, Non-fibrous 95. %

110-EXT-04A	504121104-07	*No*	NAD

Location: Roof
Description: Off-White, Homogeneous, Beige Duct Sealant
Asbestos Types:
Other Material: Non-fibrous 100. %

110-EXT-04B	504121104-08	*No*	NAD

Location: Roof
Description: Brown, Homogeneous, Beige Duct Sealant(W/Red Seal)
Asbestos Types:
Other Material: Non-fibrous 100. %

110-EXT-05A	504121104-09	*No*	NAD

Location: Roof
Description: Red, Homogeneous, Red Duct Sealant
Asbestos Types:
Other Material: Non-fibrous 100. %

110-EXT-05B	504121104-10	*No*	NAD

Location: Roof
Description: Red, Homogeneous, Red Duct Sealant
Asbestos Types:
Other Material: Non-fibrous 100. %

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RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 110 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-EXT-06A	504121104-11	*No*	NAD

Location: Roof

Description: Black, Homogeneous, Rubber, Felt Layer Over Insul.
Asbestos Types:
Other Material: Cellulose Trace, Fibrous glass 5. %, Synthetic fibers 15. %, Non-fibrous 80. %

10-EXT-06B	504121104-12	*No*	NAD

Location: Roof

Description: Black, Heterogeneous, Rubber, Felt Layer Over Insul.
Asbestos Types:
Other Material: Fibrous glass 5. %, Synthetic fibers 15. %, Non-fibrous 80. %

110-EXT-07A	504121104-13	*No*	NAD

Location: Roof

Description: Black, Homogeneous, Tar On Steel Deck
Asbestos Types:
Other Material: Fibrous glass 15. %, Non-fibrous 85. %

110-EXT-07B	504121104-14	*No*	NAD

Location: Roof

Description: Black, Homogeneous, Tar On Steel Deck
Asbestos Types:
Other Material: Fibrous glass 15. %, Non-fibrous 85. %

10-EXT-08A	504121104-15	*Yes*	5 %

Location: Roof

Description: Silver/Black, Homogeneous, Silver Paint(on column)
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

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RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 110 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-EXT-08B	504121104-16	*Yes*	5 %

Location: Roof

Description: Silver/Black, Homogeneous, Silver Paint(on block wall)
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

110-EXT-08C	504121104-17	*Yes*	5 %

Location: Roof (L2)

Description: Black, Homogeneous, Silver Paint(On wall)
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

110-EXT-08D	504121104-18	*Yes*	5 %

Location: Roof (L2)

Description: Silver/Black, Homogeneous, Silver Paint(On Roof)
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

110-EXT-09A	504121104-19	*No*	NAD

Location: Roof (R2)

Description: Grey, Homogeneous, Skim Coat on Fiberglass Insul.
Asbestos Types:
Other Material: Cellulose 5. %, Fibrous glass 15. %, Non-fibrous 80. %

110-EXT-09B	504121104-20	*No*	NAD

Location: Roof-R2

Description: Grey, Homogeneous, Skim Coat on Fiberglass Insul.
Asbestos Types:
Other Material: Cellulose 15. %, Fibrous glass 15. %, Non-fibrous 70. %

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RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 110 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-EXT-10A	504121104-21	*Yes*	15 %

Location: Roof R2

Description: Black, Heterogeneous, Tar Coating on Fiberglass Insl
Asbestos Types: Chrysotile 15. %
Other Material: Cellulose 15. %, Fibrous glass 10. %, Non-fibrous 60. %

110-EXT-10B	504121104-22	*Yes*	15 %

Location: Roof R2

Description: Black, Heterogeneous, Tar Coating on Fiberglass Insl
Asbestos Types: Chrysotile 15. %
Other Material: Cellulose 15. %, Fibrous glass 10. %, Non-fibrous 60. %

110-EXT-11A	504121104-23	*Yes*	15 %

Location: Roof

Description: Black, Homogeneous, Flashing
Asbestos Types: Chrysotile 15. %
Other Material: Non-fibrous 85. %

110-EXT-24	504121104-24	*Yes*	5 %

Location: 11B

Description: Black, Heterogeneous, Flashing
Asbestos Types: Chrysotile 5. %
Other Material: Cellulose 15. %, Fibrous glass Trace, Synthetic fibers 15. %, Non-fibrous 65. %

110-EXT-12A	504121104-25	*No*	NAD

Location: Roof-RS1

Description: Black, Homogeneous, Asphalt Roof Shingle
Asbestos Types:
Other Material: Cellulose 25. %, Non-fibrous 75. %

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WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/06/04
Date Examined 12/11/04

AmeriSci Job No.504121104
P.O. # 05-81-0015
Page 6 **of** 10

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 110 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-EXT-13A	504121104-26.1	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Asphalt Roof Shingle W/ Felt
Asbestos Types:
Other Material: Cellulose 25. %, Non-fibrous 75. %

110-EXT-13A	504121104-26.2	*Yes*	15 %

Location: Roof
Description: Black, Homogeneous, Asphalt Roof Shingle W/ Felt
Asbestos Types: Chrysotile 15. %
Other Material: Non-fibrous 85. %
Comment: Tar on Back of Shingle

110-EXT-14A	504121104-27.1	*No*	NAD

Location: Roof
Description: Black, Heterogeneous, Asphalt Roof Shingle W/ Tar
Asbestos Types:
Other Material: Cellulose 25. %, Non-fibrous 75. %

110-EXT-14A	504121104-27.2	*Yes*	15 %

Location: Roof
Description: Black, Homogeneous, Asphalt Roof Shingle W/ Tar
Asbestos Types: Chrysotile 15. %
Other Material: Non-fibrous 85. %
Comment: Tar on Back of Shingle

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/06/04
Date Examined 12/11/04

AmeriSci Job No.504121104
P.O. # 05-81-0015

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 110 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-EXT-15A	504121104-28	*Yes*	15 %

Location: Roof

Description: Black, Heterogeneous, Silver Paint & Felt Layers
Asbestos Types: Chrysotile 15. %
Other Material: Cellulose 15. %, Non-fibrous 70. %

110-EXT-16A	504121104-29	*No*	NAD

Location: Roof-R5 Roof

Description: Black, Heterogeneous, Built-up Roof Layers
Asbestos Types:
Other Material: Cellulose 35. %, Non-fibrous 65. %

110-EXT-17A	504121104-30	*Yes*	15 %

Location: Roof-R5 Roof

Description: Black, Homogeneous, Flashing Cement
Asbestos Types: Chrysotile 15. %
Other Material: Non-fibrous 85. %

110-EXT-18A	504121104-31	*No*	NAD

Location: Roof-2nd Level

Description: Black, Homogeneous, Built-up Roof Under Rubber
Asbestos Types:
Other Material: Cellulose 35. %, Non-fibrous 65. %

110-EXT-19A	504121104-32	*Yes*	15 %

Location: Roof 2nd Level

Description: Black, Homogeneous, Black Tar on Metal Roof
Asbestos Types: Chrysotile 15. %
Other Material: Non-fibrous 85. %

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Date Received 12/06/04
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AmeriSci Job No.504121104
P.O. # 05-81-0015

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 110 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-EXT-20A	504121104-33	*No*	NAD

Location: Roof-R10

Description: Brown, Homogeneous, Cementitious, Levelastic
Asbestos Types:
Other Material: Non-fibrous 100. %

110-EXT-21A	504121104-34	*No*	NAD

Location: Roof Level 3(Room R6)

Description: Brown/Off-White, Homogeneous, Sheetrock
Asbestos Types:
Other Material: Cellulose 15. %, Non-fibrous 85. %

110-EXT-21B	504121104-35	*No*	NAD

Location: Roof Level 3 (Room R8)

Description: Brown/White, Homogeneous, Sheetrock
Asbestos Types:
Other Material: Cellulose 15. %, Non-fibrous 85. %

110-EXT-22A	504121104-36	*No*	NAD

Location: Roof Level 3 (Room R6)

Description: White, Homogeneous, Joint Compound
Asbestos Types:
Other Material: Non-fibrous 100. %

110-EXT-22B	504121104-37	*No*	NAD

Location: Roof Level 3(Room R7)

Description: White, Homogeneous, Joint Compound
Asbestos Types:
Other Material: Non-fibrous 100. %

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/06/04
Date Examined 12/11/04

AmeriSci Job No.504121104
P.O. # 05-81-0015
Page 9 **of** 10

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 110 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110-EXT-23A	504121104-38	*Yes*	2 %

Location: Roof Level 3(Room R8)

Description: Tan, Homogeneous, 12"x12" Floor Tile
Asbestos Types: Chrysotile 2. %
Other Material: Non-fibrous 98. %

110-EXT-24A	504121104-39	*No*	NAD

Location: Roof Level 3(Room R8)

Description: Yellow, Homogeneous, Mastic Under12"x12" Floor Tile
Asbestos Types:
Other Material: Non-fibrous 100. %

110-EXT-25A	504121104-40	*No*	NAD

Location: Roof Level 3(Room R9)

Description: Brown, Homogeneous, Brown Covebase
Asbestos Types:
Other Material: Non-fibrous 100. %

110-EXT-26A	504121104-41	*No*	NAD

Location: Roof Level 3(Room R9)

Description: Brown, Homogeneous, Mastic Under Brown Covebase
Asbestos Types:
Other Material: Non-fibrous 100. %

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/06/04
Date Examined 12/11/04

AmeriSci Job No. 504121104
P.O. # 05-81-0015
Page 10 **of** 10

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 110 - Exterior

Reporting Notes:

Analyzed by: John A. Burns ; Date Analyzed: 12/11/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By:

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8 SCHOOL STREET
WEYMOUTH, MA 02189
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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/09/04
Date Examined 12/14/04

AmeriSci Job No.504121172
P.O. # 05-81-0015

RE 81.01398.0042; GE Blds. 107-115; GE Pittsfield

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
110x-01A	504121172-01	*No*	NAD
1	**Location:** Bldg. 110 Exterior, Along Truck Dock		
	Description: Tan, Homogeneous, Pipe Insulation		
	Asbestos Types:		
	Other Material: Synthetic fibers 20. %, Non-fibrous 80. %		
110x-01B	504121172-02	*No*	NAD
1	**Location:** Bldg. 110 Exterior, Along Truck Dock		
	Description: Tan/Off-White, Homogeneous, Pipe Insulation		
	Asbestos Types:		
	Other Material: Synthetic fibers 20. %, Non-fibrous 80. %		
110x-01C	504121172-03	*No*	NAD
1	**Location:** Bldg. 110 Exterior, Along Truck Dock		
	Description: Tan, Homogeneous, Pipe Insulation		
	Asbestos Types:		
	Other Material: Synthetic fibers 20. %, Non-fibrous 80. %		
110x-02A	504121172-04	*No*	NAD
2	**Location:** Bldg. 110 Exterior		
	Description: Beige, Homogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
110x-03A	504121172-05	*No*	NAD
3	**Location:** Bldg. 110 Exterior		
	Description: Beige/White, Heterogeneous, Wall Repair Patch Material		

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/09/04
Date Examined 12/14/04

AmeriSci Job No.504121172
P.O. # 05-81-0015
Page 2 **of** 2

RE 81.01398.0042; GE Blds. 107-115; GE Pittsfield

Reporting Notes:

Analyzed by: Steven P. Grise _____; Date Analyzed: _____

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: _____

Relinquished by: Greg Morsch	Date/Time: 12/1/04		
Received by:	Date/Time:		
Relinquished by:	Date/Time:		
Received by:	Date/Time:		
Relinquished by:	Date/Time:		
Received by: 12/2/04 1000	Date/Time:		

[redacted]

Ameri Sci Emergency Pagers (781) 317-1522 5041211069 (781) 649-2873

8 SCHOOL STREET WEYMOUTH, MA 02189 (781) 337-9334 FAX (781) 337-7642

Company Name: ATC Associates, Inc.	Project Name: GE Bldgs 107-115	Analysis Type: (PLM) & TEM
Company Address: 39 Spruce Street	Project Address: GE Pittsfield	Positive Stop: Yes (No)
City: East Longmeadow State: MA Zip: 01028	Project Manager: ~~Adam Lasko~~ DERRICK WISSMAN	Turnaround Time: 5 days
Fax: (413) 525-8227	Project Number: 81.0398.0042	Fax Copy by:
Results to: Sandy Fabian	Sampled by: G. MORSCH Date: 11/29/04	Return Samples: Yes No
Verbal Results: Yes No	Special Instructions or Comments: Bldg #110 - Separate mastic from tiles	
Cell or Pager #:		
Site Fax:		
Additional Fax:		

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	110-01A	G.E. Bldg #110 - Rm - 110-1-01	12"x12" Floor Tile	HA-01A
	110-02A	" " " " " "	" " " " Mastic	HA-02A
	110-03A	" " " " " "	Black Cove Base w/Mastic	HA-03A
	110-04A	" " " " " "	Sheet Rock	HA-04A
	110-05A	" " " " " "	Joint Compound	HA-05A
	110-06A	" " " " " "	Window Glaze	HA-06A
	110-07A	" " " Rm 110-1-02	Door Caulk	HA-07A
	110-08A	" " " " " "	Light Fixture Gasket	HA-08A
	110-09A	" " " Rm - 110-1-03	Interior Window Caulk	HA-09A
	110-10A	" " " Rm - 110-1-04	Paint On Column	HA-10A
	110-11A	" " " Rm - 110-1-06	Floor Paint	HA-11A
	110-12A	" " " Rm - 110-1-07	Thermal Magnesia Pipe Insulation	HA-12A

504121104

Relinquished by:		Date/Time: 12/3/04	
Received by:		Date/Time: 12/6/04 9:45	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Project Name:	GE Plastics Bldgs. 107-115		
Project Number:	81.01398.0042		
Project Address:	Bldg. 110 – Exterior		

SCHLAIR

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date: 11/21/04
Positive Stop:	No	Project Manager:	Derrick Wissman	
Turnaround Time	5 Days	Results To:	Edward Kolodziej	
Fax Copy By:	413-525-8227		Emergency Pager:	
Hard Copy By:	413-525-1198		Additional Fax No.	

Special Instructions or Comments **Analyze all Layers**

Lab ID	Field ID	Location	Sample Description
	110-EXT-01A	Roof	Flashing Cement on Concrete
	110-EXT-01B	Roof	Flashing Cement on Concrete
	110-EXT-02A	Roof	Flashing Cement w/Felt over Concrete
	110-EXT-02B	Roof	Flashing Cement w/Felt over Concrete
	110-EXT-03A	Roof	White Duct Sealant
	110-EXT-03B	Roof	White Duct Sealant
	110-EXT-04A	Roof	Beige Duct Sealant
	110-EXT-04B	Roof	Beige Duct Sealant (with Red Duct Sealant Underneath)
	110-EXT-05A	Roof	Red Duct Sealant
	110-EXT-05B	Roof	Red Duct Sealant
	110-EXT-06A	Roof	Rubber, Felt Layer over Insulation Board
	110-EXT-06B	Roof	Rubber, Felt Layer over Insulation Board
	110-EXT-07A	Roof	Tar on Steel Deck
	110-EXT-07B	Roof	Tar on Steel Deck
	110-EXT-08A	Roof	Silver Paint (on Column)
	110-EXT-08B	Roof	Silver Paint (on Block Wall)
	110-EXT-08C	Roof (L2)	Silver Paint (on Wall)

Rec'd 12/1/04 10:20

Relinquished by: Edward Kolodziej	Date/Time: 12/3/04		
Received by: [illegible]	Date/Time: 12/6/04 9:45		
Relinquished by:	Date/Time:		
Received by:	Date/Time:		
Relinquished by:	Date/Time:		
Project Name:	GE Plastics Bldgs. 107-115		
Project Number:	81.01398.0042		
Project Address:	Bldg. 110 – Exterior		

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Analysis Type:	PLM	Sampled By:	Edward Kolodziej Edward Kolodziej	Date: 11/21/04
Positive Stop:	No	Project Manager:	Derrick Wissman	
Turnaround Time	5 Days	Results To:	Edward Kolodziej	
Fax Copy By:	413-525-8227		Emergency Pager:	
Hard Copy By:	413-525-1198		Additional Fax No.	
Special Instructions or Comments	**Analyze all Layers**			

Lab ID	Field ID	Location	Sample Description
	110-EXT-08D	Roof (L2)	Silver Paint (on Roof)
	110-EXT-09A	Roof (R2)	Skim Coat on Fiberglass Insulation
	110-EXT-09B	Roof (R2)	Skim Coat on Fiberglass Insulation
	110-EXT-10A	Roof (R2)	Tar Coating on Fiberglass Insulation
	110-EXT-10B	Roof (R2)	Tar Coating on Fiberglass Insulation
	110-EXT-11A	Roof	Flashing
	110-EXT-11B	Roof	Flashing
	110-EXT-12A	Roof (RS1)	Asphalt Roof Shingle
	110-EXT-13A	Roof	Asphalt Roof Shingle with Felt Paper
	110-EXT-14A	Roof	Asphalt Roof Panel with Tar Paper
	110-EXT-15A	Roof	Silver Paint and Felt Layers
	110-EXT-16A	Roof (R5 Roof)	Built-up Roof Layers
	110-EXT-17A	Roof (R5 Roof)	Flashing Cement
	110-EXT-18A	Roof (2nd Level)	Built-up roof under Rubber
	110-EXT-19A	Roof (2nd Level)	Black Tar on Metal Roof
	110-EXT-20A	Roof (R10)	Levelastic
	110-EXT-21A	Roof Level 3 (Room R6)	Sheetrock

Patty 12/6/04
10 0

504121104

Relinquished by:		Date/Time: 12/3/04	SC LAB
Received by:		Date/Time: 12/6/04 9:45	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	8 SCHOOL STREET
Relinquished by:		Date/Time:	WEYMOUTH, MA 02189
Project Name:	GE Plastics Bldgs. 107-115		(781) 337-9334
Project Number:	81.01398.0042		FAX: (781) 337-7642
Project Address:	Bldg. 110 – Exterior		

Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date: 11/21/04
Positive Stop:	**No**	Project Manager:	Derrick Wissman	
Turnaround Time	5 Days	Results To:	Edward Kolodziej	
Fax Copy By:	413-525-8227		Emergency Pager:	
Hard Copy By:	413-525-1198		Additional Fax No.	

Special Instructions or Comments **Analyze all Layers**

Lab ID	Field ID	Location	Sample Description
	110-EXT-21B	Roof Level 3 (Room R8)	Sheetrock
	110-EXT-22A	Roof Level 3 (Room R6)	Joint Compound
	110-EXT-22B	Roof Level 3 (Room R7)	Joint Compound
	110-EXT-23A	Roof Level 3 (Room R8)	12" x 12" Floor Tile
	110-EXT-24A	Roof Level 3 (Room R8)	Mastic under 12" x 12" Floor Tile
	110-EXT-25A	Roof Level 3 (Room R9)	Brown Cove Base
	110-EXT-26A	Roof Level 3 (Room R9)	Mastic under Brown Cove Base

Betty 12/6/04

10:20

Relinquished by: Gary Menard Date/Time: 12/8/04

Received by: [illegible] Date/Time:

Relinquished by: Date/Time:

Received by: Date/Time:

Relinquished by: Date/Time:

Received by: Date/Time:

[redacted]

Ameri Sci Emergency Pagers 8 SCHOOL STREET

(781) 317-1522 5041211 72 WEYMOUTH, MA 02189

(781) 649-2873 (781) 337-9334 FAX (781) 337-7642

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Phone: (413) 525-2332

Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Leske~~ D. Wissman

Project Number: 81.01398.0042

Sampled by: G. Morsch Date: 12/8/04

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Special Instructions or Comments: Bldg 110 Exterior

Lab ID	Field ID	Location	Sample Description	Homoge Area
	110X-01A	Bldg 110 Exterior	Pipe insulation along truck dock	1
	110X-01B	" " "	" " " " "	1
	110X-01C	" " "	" " " " "	1
	110X-02A	" " "	Wall paint	2
	110X-03A	" " "	Wall repair patch material	3
	~~110X-04A~~	~~" " "~~		

BUILDING 110

LABORATORY REPORTS/CHAIN-OF-CUSTODY (TEM)

Asbestos & Lead Inspection Report
GE Advanced Materials
Site No. 1 Demolition Project
Pittsfield, Massachusetts

December 29, 2004

BUILDING 111

SUMMARY OF NEGATIVE ASBESTOS-CONTAINING MATERIALS

BUILDING 111

SUMMARY OF NEGATIVE ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL
111-1-01, 111-1-03	12" x 12" Beige Speckled Floor Tile & Mastic
111-1-01, 111-1-12	12" x 12" Cream Floor Tile & Mastic
111-1-02	12" x 12" Cream Speckled Floor Tile & Mastic
111-1-01 thru 111-1-13	2' x 4' White Suspended Ceiling Tile
111-1-04, 111-1-07, 111-1-08, 111-1-09, 111-1-10, 111-1-11, 111-1-12	Black Cove Base & Mastic
111-1-01, 111-1-02, 111-1-03, 111-1-06, 111-1-12	Brown Cove Base & Mastic
111-1-01	Levelastic
111-1-03, 111-1-08	Mirror Adhesive
111-1-05, 111-1-08, 111-1-12	Panel Adhesive (Tan)

BUILDING 111

LABORATORY REPORTS/CHAIN-OF-CUSTODY (PLM)

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8 SCHOOL STREET
WEYMOUTH, MA 02189
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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/06/04
Date Examined 12/10/04

AmeriSci Job No.504121107
P.O. # 05-81-0015

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 111

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
111-01A	504121107-01	*No*	NAD

Location: 111-1-01
Description: Grey/Brown, Homogeneous, Sheetrock
Asbestos Types:
Other Material: Cellulose 15. %, Non-fibrous 85. %

111-01B	504121107-02	*No*	NAD

Location: 111-1-08
Description: Grey/Brown, Homogeneous, Sheetrock
Asbestos Types:
Other Material: Cellulose 15. %, Non-fibrous 85. %

111-02A	504121107-03	*Yes*	2 %

Location: 111-1-01
Description: Tan, Homogeneous, Joint Compound
Asbestos Types: Chrysotile 2. %
Other Material: Non-fibrous 98. %

111-02B	504121107-04	*No*	NAD

Location: 111-1-08
Description: Off-White, Homogeneous, Joint Compound
Asbestos Types:
Other Material: Non-fibrous 100. %

111-03A	504121107-05	*No*	NAD

Location: 111-1-05
Description: Grey/Off-White, Homogeneous, 2'x4' White Susp. Ceiling Tile
Asbestos Types:
Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %

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WEYMOUTH, MA 02189
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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/06/04
Date Examined 12/10/04

AmeriSci Job No.504121107
P.O. # 05-81-0015

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 111

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
111-03B	504121107-06	*No*	NAD

Location: 111-1-11
Description: Grey/Off-White, Homogeneous, 2'x4' White Susp. Ceiling Tile
Asbestos Types:
Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %

111-04A	504121107-07	*No*	NAD

Location: 111-1-03
Description: Yellow, Homogeneous, Mirror Adhesive
Asbestos Types:
Other Material: Non-fibrous 100. %

111-05A	504121107-08	*No*	NAD

Location: 111-1-01
Description: Grey/Off-White, Heterogeneous, Levelastic
Asbestos Types:
Other Material: Non-fibrous 100. %

111-06A	504121107-09	*No*	NAD

Location: 111-1-04
Description: Black, Homogeneous, Black Covebase
Asbestos Types:
Other Material: Non-fibrous 100. %

111-06B	504121107-10	*No*	NAD

Location: 111-1-09
Description: Black, Homogeneous, Black Covebase
Asbestos Types:
Other Material: Non-fibrous 100. %

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WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/06/04
Date Examined 12/10/04

AmeriSci Job No.504121107
P.O. # 05-81-0015

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 111

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
111-07A	504121107-11	*Yes*	< 1.%

Location: 111-1-04
Description: Brown, Homogeneous, Mastic Under Black Covebase
Asbestos Types: Chrysotile Trace
Other Material: Non-fibrous 100. %

111-07B	504121107-12	*Yes*	< 1.%

Location: 111-1-09
Description: Brown, Homogeneous, Mastic Under Black Covebase
Asbestos Types: Chrysotile Trace
Other Material: Non-fibrous 100. %

111-08A	504121107-13	*No*	NAD

Location: 111-1-03
Description: Brown, Homogeneous, Brown Covebase
Asbestos Types:
Other Material: Non-fibrous 100. %

111-08B	504121107-14	*No*	NAD

Location: 111-1-12
Description: Brown, Homogeneous, Brown Covebase
Asbestos Types:
Other Material: Non-fibrous 100. %

111-09A	504121107-15	*No*	NAD

Location: 111-1-03
Description: Brown, Homogeneous, Mastic Under Brown Covebase
Asbestos Types:
Other Material: Non-fibrous 100. %

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P.O. # 05-81-0015

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 111

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
111-09B	504121107-16	*No*	NAD

Location: 111-1-04
Description: Off-White, Homogeneous, Mastic Under Brown Covebase
Asbestos Types:
Other Material: Non-fibrous 100. %

111-10A	504121107-17	*Yes*	5 %

Location: 111-1-04
Description: Tan, Homogeneous, 9"x9" Tan Speck Floor Tile
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

111-10B	504121107-18	*Yes*	5 %

Location: 111-1-10
Description: Tan, Homogeneous, 9"x9" Tan Speck Floor Tile
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

111-11A	504121107-19	*No*	NAD

Location: 111-1-04
Description: Black, Homogeneous, Mastic Under 9"x9"Tan Speck FT
Asbestos Types:
Other Material: Non-fibrous 100. %

111-11B	504121107-20	*No*	NAD

Location: 111-1-10
Description: Black, Homogeneous, Mastic Under 9"x9"Tan Speck FT
Asbestos Types:
Other Material: Non-fibrous 100. %

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AmeriSci Job No.504121107
P.O. # 05-81-0015

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 111

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
111-12A	504121107-21	*Yes*	5 %

Location: 111-1-03
Description: Tan, Homogeneous, 9"x9" Tan Floor Tile
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

111-12B	504121107-22	*Yes*	5 %

Location: 111-1-03
Description: Tan, Homogeneous, 9"x9" Tan Floor Tile
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

111-13A	504121107-23	*No*	NAD

Location: 11-1-03
Description: Black, Homogeneous, Mastic Under 9"x9" Tan FT
Asbestos Types:
Other Material: Non-fibrous 100. %

111-13B	504121107-24	*No*	NAD

Location: 111-1-03
Description: Black, Homogeneous, Mastic Under 9"x9" Tan FT
Asbestos Types:
Other Material: Non-fibrous 100. %

111-14A	504121107-25	*No*	NAD

Location: 111-1-05
Description: Tan, Homogeneous, Panel Adhesive Tan
Asbestos Types:
Other Material: Non-fibrous 100. %

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Date Received 12/06/04
Date Examined 12/10/04

AmeriSci Job No.504121107
P.O. # 05-81-0015

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 111

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
111-14B	504121107-26	*No*	NAD

Location: 111-1-08

Description: Tan, Homogeneous, Panel Adhesive Tan
Asbestos Types:
Other Material: Non-fibrous 100. %

111-15A	504121107-27	*Yes*	3 %

Location: 111-1-11

Description: Black, Homogeneous, Panel Adhesive Black
Asbestos Types: Chrysotile 3. %
Other Material: Cellulose 5. %, Non-fibrous 92. %

111-15B	504121107-28	*Yes*	3 %

Location: 111-1-11

Description: Black, Homogeneous, Panel Adhesive Black
Asbestos Types: Chrysotile 3. %
Other Material: Cellulose 5. %, Non-fibrous 92. %

111-16A	504121107-29	*Yes*	4 %

Location: 111-1-01

Description: Beige, Homogeneous, Door Caulking
Asbestos Types: Chrysotile 4. %
Other Material: Non-fibrous 96. %

111-17A	504121107-30	*Yes*	2 %

Location: 111-1-07

Description: Grey, Homogeneous, Window Glazing
Asbestos Types: Chrysotile 2. %
Other Material: Non-fibrous 98. %

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Date Received 12/06/04
Date Examined 12/10/04

AmeriSci Job No.504121107
P.O. # 05-81-0015

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 111

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
111-17B	504121107-31	*Yes*	2 %

Location: 111-1-13
Description: Grey, Homogeneous, Window Glazing
Asbestos Types: Chrysotile 2. %
Other Material: Non-fibrous 98. %

11-18A	504121107-32	*Yes*	2 %

Location: 111-1-01
Description: Tan, Homogeneous, Exterior Door Glazing
Asbestos Types: Chrysotile 2. %
Other Material: Non-fibrous 98. %

111-19A	504121107-33	*No*	NAD

Location: 111-1-01
Description: Beige, Homogeneous, 12"x12" Cream Speck Floor Tile
Asbestos Types:
Other Material: Wollastonite 2. %, Non-fibrous 98. %

111-20A	504121107-34	*Yes*	10 %

Location: 111-1-01
Description: Black, Homogeneous, Mastic Under 19A
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

111-21A	504121107-35	*No*	NAD

Location: 111-1-03
Description: Beige, Homogeneous, 12"x12" Beige Speck Floor Tile
Asbestos Types:
Other Material: Wollastonite 2. %, Non-fibrous 98. %

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
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East Longmeadow, MA 01028

Date Received 12/06/04
Date Examined 12/10/04

AmeriSci Job No.504121107
P.O. # 05-81-0015

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 111

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
111-22A	504121107-36	*No*	NAD

Location: 111-1-03

Description: Yellow, Homogeneous, Mastic Under 21A
Asbestos Types:
Other Material: Non-fibrous 100. %

111-23A	504121107-37	*No*	NAD

Location: 111-1-01

Description: Beige, Homogeneous, 12"x12" Cream Floor Tile
Asbestos Types:
Other Material: Non-fibrous 100. %

111-23B	504121107-38	*No*	NAD

Location: 111-1-12

Description: Beige, Homogeneous, 12"x12" Cream Floor Tile
Asbestos Types:
Other Material: Non-fibrous 100. %

111-24A	504121107-39	*No*	NAD

Location: 111-1-01

Description: Clear, Homogeneous, Mastic Under 12"x12" Cream FT
Asbestos Types:
Other Material: Non-fibrous 100. %

111-24B	504121107-40	*No*	NAD

Location: 111-1-12

Description: Clear, Homogeneous, Mastic Under 23B (clear)
Asbestos Types:
Other Material: Non-fibrous 100. %

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ATC Associates, Inc., East Longmeadow
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Date Received 12/06/04
Date Examined 12/10/04

AmeriSci Job No.504121107
P.O. # 05-81-0015
Page 9 **of** 9

RE 81.01398.0042; G.E. Plastics Bldgs. 107-115; Bldg. 111

Reporting Notes:

Analyzed by: Steven P. Grise SPG; Date Analyzed: 12/10/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: JohB

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Edward Kolodziej
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/24/04
Date Examined 11/29/04

AmeriSci Job No.504111408
P.O. # 05-81-0015

RE 81.01398.0042; G.E. Plastics, Bldgs. 107-115; Bldg. 11 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
111-EXT-01A	504111408-01	*No*	NAD

Location: Roof

Description: Yellow, Homogeneous, Adhesive Under Rubber Membrane
Asbestos Types:
Other Material: Non-fibrous 100. %

11-EXT-01AF	504111408-02	*No*	NAD

Location: Roof

Description: Black, Homogeneous, Felt Under Rubber Membrane
Asbestos Types:
Other Material: Cellulose 40. %, Fibrous glass 20. %, Non-fibrous 40. %

111-EXT-01B	504111408-03	*No*	NAD

Location: Roof

Description: Yellow, Homogeneous, Adhesive Under Rubber Membrane
Asbestos Types:
Other Material: Non-fibrous 100. %

111-EXT-01BF	504111408-04	*No*	NAD

Location: Roof

Description: Black, Homogeneous, Felt Under Rubber Membrane
Asbestos Types:
Other Material: Cellulose 40. %, Fibrous glass 20. %, Non-fibrous 40. %

111-EXT-02A	504111408-05	*No*	NAD

Location: Roof

Description: Black, Homogeneous, Tar On Steel Deck
Asbestos Types:
Other Material: Cellulose Trace, Non-fibrous 100. %

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
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39 Spruce Street
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Date Received 11/24/04
Date Examined 11/29/04

AmeriSci Job No.504111408
P.O. # 05-81-0015

RE 81.01398.0042; G.E. Plastics, Bldgs. 107-115; Bldg. 11 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
111-EXT-03A	504111408-06	*No*	NAD

Location: Roof
Description: Yellow, Homogeneous, Flashing Adhesive Under RM
Asbestos Types:
Other Material: Non-fibrous 100. %

111-EXT-04A	504111408-07	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Sealant (Pipe Hangar On Roof)
Asbestos Types:
Other Material: Non-fibrous 100. %

111-EXT-05A	504111408-08	*No*	NAD

Location: Roof
Description: Silver, Homogeneous, Duct Sealant (Grey)
Asbestos Types:
Other Material: Non-fibrous 100. %

111-EXT-06A	504111408-09	*No*	NAD

Location: Roof
Description: Red/Brown, Homogeneous, Flashing Cement On Valve
Asbestos Types:
Other Material: Non-fibrous 100. %

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PLM Bulk Asbestos Report

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Date Received 11/24/04
Date Examined 11/29/04

AmeriSci Job No.504111408
P.O. # 05-81-0015
Page 3 **of** 3

RE 81.01398.0042; G.E. Plastics, Bldgs. 107-115; Bldg. 11 - Exterior

Reporting Notes:

Analyzed by: Steven P. Grise _____; Date Analyzed: 11/29/04

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/09/04
Date Examined 12/14/04

AmeriSci Job No.504121174
P.O. # 05-81-0015

RE 81.01398.0042; GE Bldgs. 107-115; GE Pittsfield

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
111X-01A 1	504121174-01 **Location:** Bldg. 111 Exterior	*No*	NAD
	Description: Grey, Homogeneous, Window Caulking **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
111X-01B 1	504121174-02 **Location:** Bldg. 111 Exterior	*No*	NAD
	Description: Grey, Homogeneous, Window Caulking **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
111X-02A 2	504121174-03 **Location:** Bldg. 111 Exterior	*No*	NAD
	Description: Beige, Homogeneous, Wall Paint **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
111X-02B 2	504121174-04 **Location:** Bldg. 111 Exterior	*No*	NAD
	Description: Beige, Homogeneous, Wall Paint **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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PLM Bulk Asbestos Report

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East Longmeadow, MA 01028

Date Received 12/09/04
Date Examined 12/14/04

AmeriSci Job No.504121174
P.O. # 05-81-0015
Page 2 **of** 2

RE 81.01398.0042; GE Bldgs. 107-115; GE Pittsfield

Reporting Notes:

Analyzed by: Steven P. Grise ; Date Analyzed: 12/14/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By:

Relinquished by: Edward Kolodziej	Date/Time: 12/3/04	SCHILAB	
Received by: Mark Lewis	Date/Time: 12/6/04 9:45		
Relinquished by:	Date/Time:		
Received by:	Date/Time:	8 SCHOOL STREET WEYMOUTH, MA 02189 (781) 337-9334 FAX: (781) 337-7642	
Relinquished by:	Date/Time:		
Project Name: GE Plastics Bldgs. 107-115			
Project Number: 81.01398.0042			
Project Address: Bldg. 111			

Analysis Type:	PLM	Sampled By:	Edward Kolodziej Edward Kolodziej	Date: 11/29/04
Positive Stop:	No	Project Manager:	Derrick Wissman	
Turnaround Time	5 Days	Results To:	Edward Kolodziej	
Fax Copy By:	413-525-8227		Emergency Pager:	
Hard Copy By:	413-525-1198		Additional Fax No.	
Special Instructions or Comments	**Analyze all Layers**			

Lab ID	Field ID	Location	Sample Description
	111-01A	111-1-01	Sheetrock
	111-01B	111-1-08	Sheetrock
	111-02A	111-1-01	Joint Compound
	111-02B	111-1-08	Joint Compound
	111-03A	111-1-05	2' x 4' White Suspended Ceiling Tile
	111-03B	111-1-11	2' x 4' White Suspended Ceiling Tile
	111-04A	111-1-03	Mirror Adhesive
	111-05A	111-1-01	Levelastic
	111-06A	111-1-04	Black Cove Base
	111-06B	111-1-09	Black Cove Base
	111-07A	111-1-04	Mastic under Black Cove Base
	111-07B	111-1-09	Mastic under Black Cove Base
	111-08A	111-1-03	Brown Cove Base
	111-08B	111-1-12	Brown Cove Base
	111-09A	111-1-03	Mastic under Brown Cove Base
	111-09B	111-1-12	Mastic under Brown Cove Base
	111-10A	111-1-04	9" x 9" Tan Speckled Floor Tile

Rec'd on 12/6/04
10:45

5041211107

Relinquished by:		Date/Time: 12/3/04	
Received by:		Date/Time: 12/6/04 9:45	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Project Name:	GE Plastics Bldgs. 107-115		
Project Number:	81.01398.0042		
Project Address:	Bldg. 111		

[redacted]

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date: 11/29/04
Positive Stop:	No	Project Manager:	Derrick Wissman	
Turnaround Time	5 Days	Results To:	Edward Kolodziej	
Fax Copy By:	413-525-8227		Emergency Pager:	
Hard Copy By:	413-525-1198		Additional Fax No.	

Special Instructions or Comments **Analyze all Layers**

Lab ID	Field ID	Location	Sample Description
	111-10B	111-1-10	9" x 9" Tan Speckled Floor Tile
	111-11A	111-1-04	Mastic under 9" x 9" Tan Speckled Floor Tile
	111-11B	111-1-10	Mastic under 9" x 9" Tan Speckled Floor Tile
	111-12A	111-1-03	9" x 9" Tan Floor Tile
	111-12B	111-1-03	9" x 9" Tan Floor Tile
	111-13A	111-1-03	Mastic under 9" x 9" Tan Floor Tile
	111-13B	111-1-03	Mastic under 9" x 9" Tan Floor Tile
	111-14A	111-1-05	Panel Adhesive (Tan)
	111-14B	111-1-08	Panel Adhesive (Tan)
	111-15A	111-1-11	Panel Adhesive (Black)
	111-15B	111-1-11	Panel Adhesive (Black)
	111-16A	111-1-01	Door Caulking
	111-17A	111-1-07	Window Glazing
	111-17B	111-1-13	Window Glazing
	111-18A	111-1-01	Exterior Door Glazing
	111-19A	111-1-01	12" x 12" Cream Speckled Floor Tile
	111-20A	111-1-01	Mastic under 12" x 12" Cream Speckled Floor Tile

Patty
12/6/04
11026

Relinquished by: Edward Kolodziej	Date/Time: 12/3/04	
Received by: [signature]	Date/Time: 12/6/04 9:45	
Relinquished by:	Date/Time:	
Received by:	Date/Time:	
Relinquished by:	Date/Time:	

SCI LAB

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Project Name:	GE Plastics Bldgs. 107-115				
Project Number:	81.01398.0042				
Project Address:	Bldg. 111				
Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date:	11/29/04
Positive Stop:	No	Project Manager:	Derrick Wissman		
Turnaround Time	5 Days	Results To:	Edward Kolodziej		
Fax Copy By:	413-525-8227			Emergency Pager:	
Hard Copy By:	413-525-1198			Additional Fax No.	

Special Instructions or Comments **Analyze all Layers**

Lab ID	Field ID	Location	Sample Description
	111-21A	111-1-03	12" x 12" Beige Speckled Floor Tile
	111-22A	111-1-03	Mastic under 12" x 12" Beige Speckled Floor Tile
	111-23A	111-1-01	12" x 12" Cream Floor Tile
	111-23B	111-1-12	12" x 12" Cream Floor Tile
	111-24A	111-1-01	Mastic under 12" x 12" Cream Floor Tile
	111-24B	111-1-12	Mastic under 12" x 12" Cream Floor Tile (Clear)

Patty 12/6/04 10:20

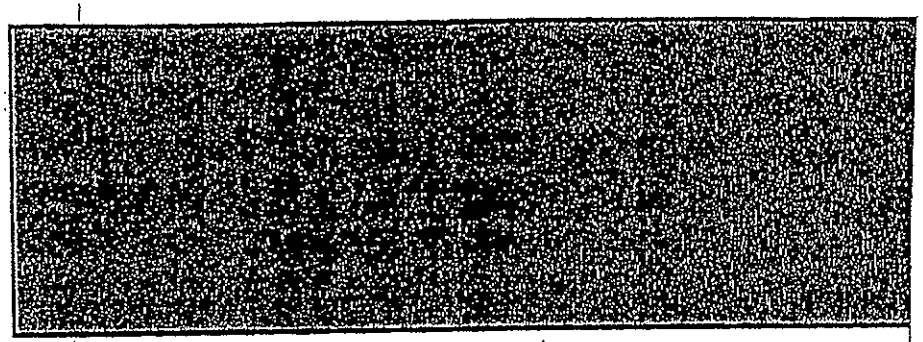
504111408

Relinquished by:	Date/Time: 11/23/04	SCILAB	
Received by:	Date/Time: 11/24/04 10:00		
Relinquished by:	Date/Time:		
Received by:	Date/Time:	8 SCHOOL STREET WEYMOUTH, MA 02189 (781) 337-9334 FAX: (781) 337-7642	
Relinquished by:	Date/Time:		
Project Name:	GE Plastics Bldgs. 107-115		
Project Number:	81.01398.0042		
Project Address:	Bldg. 111 – Exterior		

Analysis Type: PLM	Sampled By:	Edward Kolodziej		Date: 11/22/04
Positive Stop: No	Project Manager:	Derrick Wissman		
Turnaround Time 5 Days	Results To:	Edward Kolodziej		
Fax Copy By: 413-525-8227			Emergency Pager:	
Hard Copy By: 413-525-1198			Additional Fax No.	
Special Instructions or Comments **Analyze all Layers**				

Lab ID	Field ID	Location	Sample Description
	111-EXT-01A	Roof	Adhesive & Felt on under rubber membrane
	111-EXT-01B	Roof	Adhesive & Felt on under rubber membrane
	111-EXT-02A	Roof	Tar on Steel Deck
	111-EXT-03A	Roof	Flashing Adhesive under Rubber Membrane
	111-EXT-04A	Roof	Sealant (Pipe Hangar on Roof)
	111-EXT-05A	Roof	Gray Duct Sealant
	111-EXT-06A	Roof	Flashing Cement on Valve

Relinquished by:	Greg Morsch	Date/Time:	12/8/04
Received by:	[illegible] 12/9/04 11:30	Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	



Ameri Sci Emergency Pagers (781) 317-1522 5041211174 (781) 649-2873

8 SCHOOL STREET WEYMOUTH, MA 02189 (781) 337-9334 FAX (781) 337-7642

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Phone: (413) 525-2332

Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Lesko~~ D. Wissman

Project Number: 81.01398.0042

Sampled by: Greg Morsch Date: 12/8/04

Special Instructions or Comments: Bldg 111 Exterior

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Lab ID	Field ID	Location	Sample Description	Homoge Area
	111X-01A	Bldg 111 Exterior	Window caulking	1
	111X-01B	Bldg 111 Exterior	" "	1
	111X-02A	" " "	Wall paint	2
	111X-02B	" " "	" "	2

BUILDING 111

LABORATORY REPORTS/CHAIN-OF-CUSTODY (TEM)

Table I
Summary of Bulk Asbestos Analysis Results
81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 111

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	11-07A 11-104		0.247	39.27	16.60	44.03	NA	Chrysotile Trace
02	11-09A 111-1-03		0.315	47.30	3.81	48.79	NA	Chrysotile Trace
03	11-11A 111-1-04		0.166	90.36	4.22	5.32	NA	Chrysotile Trace
04	11-13A 111-1-03		0.05	76.00	16.00	6.40	NA	Chrysotile 1.6
05	11-14A 111-1-05		0.608	43.09	28.13	28.68	NA	Chrysotile Trace

Analyzed by: Paul J. Mucha; Date Analyzed 12/27/2004

Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.1/198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843. NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:

AmeriSci Job #: **204123076**

Client Name: ATC Associates

Table I

Summary of Bulk Asbestos Analysis Results

81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 111- Exterior

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	111-EXT-01A Roof		0.326	72.70	1.84	25.46	NA	NAD
02	111-EXT-02A Roof		0.483	98.96	0.83	0.21	NA	NAD
03	111-EXT-03A Roof		0.27	80.74	4.44	14.81	NA	NAD
04	111-EXT-04A Roof		0.215	40.00	50.70	9.30	NA	NAD
05	111-EXT-05A Roof		0.237	48.52	3.38	48.10	NA	NAD

Analyzed by: Paul J. Mucha; Date Analyzed 12/27/2004

Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.1/198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843. NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:

5041211u7

Relinquished by:		Date/Time: 12/3/04	
Received by:		Date/Time: 12/6/04 9:45	
Relinquished by:		Date/Time:	
Received by:		Date/Time: 12/24/04 11:30	
Relinquished by:		Date/Time:	

[redacted]

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Project Name:	GE Plastics Bldgs. 107-115				
Project Number:	81.01398.0042				
Project Address:	Bldg. 111				
Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date:	11/29/04
Positive Stop:	No	Project Manager:	Derrick Wissman		
Turnaround Time	5 Days	Results To:	Edward Kolodziej		
Fax Copy By:	413-525-8227			Emergency Pager:	
Hard Copy By:	413-525-1198			Additional Fax No.	
Special Instructions or Comments	**Analyze all Layers**				

Lab ID	Field ID	Location	Sample Description
1	111-01A	111-1-01	Sheetrock
2	111-01B	111-1-08	Sheetrock
3	111-02A	111-1-01	Joint Compound 204123125
4	111-02B	111-1-08	Joint Compound
5	111-03A	111-1-05	2' x 4' White Suspended Ceiling Tile
6	111-03B	111-1-11	2' x 4' White Suspended Ceiling Tile
7	111-04A	111-1-03	Mirror Adhesive
8	111-05A	111-1-01	Levelastic
9	111-06A	111-1-04	Black Cove Base
10	111-06B	111-1-09	Black Cove Base
11	111-07A	111-1-04	Mastic under Black Cove Base
12	111-07B	111-1-09	Mastic under Black Cove Base
13	111-08A	111-1-03	Brown Cove Base
14	111-08B	111-1-12	Brown Cove Base
15	111-09A	111-1-03	Mastic under Brown Cove Base
16	111-09B	111-1-12	Mastic under Brown Cove Base
17	111-10A	111-1-04	9" x 9" Tan Speckled Floor Tile

12/16/04

504121_07

Relinquished by:		Date/Time: 12/3/04	
Received by:		Date/Time: 12/4/04 9:45	
Relinquished by:		Date/Time:	
Received by:		Date/Time: 12/24/04 11:30	
Relinquished by:		Date/Time:	

[redacted]

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Project Name:	GE Plastics Bldgs. 107-115				
Project Number:	81.01398.0042				
Project Address:	Bldg. 111				
Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date:	11/29/04
Positive Stop:	No	Project Manager:	Derrick Wissman		
Turnaround Time	5 Days	Results To:	Edward Kolodziej		
Fax Copy By:	413-525-8227			Emergency Pager:	
Hard Copy By:	413-525-1198			Additional Fax No.	2041231125

Special Instructions or Comments **Analyze all Layers**

Lab ID	Field ID	Location	Sample Description
18	111-10B	111-1-10	9" x 9" Tan Speckled Floor Tile
19	111-11A	111-1-04	Mastic under 9" x 9" Tan Speckled Floor Tile
20	111-11B	111-1-10	Mastic under 9" x 9" Tan Speckled Floor Tile
21	111-12A	111-1-03	9" x 9" Tan Floor Tile
22	111-12B	111-1-03	9" x 9" Tan Floor Tile
23	111-13A	111-1-03	Mastic under 9" x 9" Tan Floor Tile
24	111-13B	111-1-03	Mastic under 9" x 9" Tan Floor Tile
25	111-14A	111-1-05	Panel Adhesive (Tan)
26	111-14B	111-1-08	Panel Adhesive (Tan)
27	111-15A	111-1-11	Panel Adhesive (Black)
28	111-15B	111-1-11	Panel Adhesive (Black)
29	111-16A	111-1-01	Door Caulking
30	111-17A	111-1-07	Window Glazing
31	111-17B	111-1-13	Window Glazing
32	111-18A	111-1-01	Exterior Door Glazing
33	111-19A	111-1-01	12" x 12" Cream Speckled Floor Tile
34	111-20A	111-1-01	Mastic under 12" x 12" Cream Speckled Floor Tile

5041211107

Relinquished by:		Date/Time: 12/3/04	
Received by:		Date/Time: 12/6/04 9:45	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Project Name:	GE Plastics Bldgs. 107-115		
Project Number:	81.01398.0042		
Project Address:	Bldg. 111		

[redacted]

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date: 11/29/04
Positive Stop:	No	Project Manager:	Derrick Wissman	
Turnaround Time	5 Days	Results To:	Edward Kolodziej	
Fax Copy By:	413-525-8227		Emergency Pager:	
Hard Copy By:	413-525-1198		Additional Fax No.	2041231125

Special Instructions or Comments **Analyze all Layers**

Lab ID	Field ID	Location	Sample Description
35	111-21A	111-1-03	12" x 12" Beige Speckled Floor Tile
36	111-22A	111-1-03	Mastic under 12" x 12" Beige Speckled Floor Tile
37	111-23A	111-1-01	12" x 12" Cream Floor Tile
38	111-23B	111-1-12	12" x 12" Cream Floor Tile
39	111-24A	111-1-01	Mastic under 12" x 12" Cream Floor Tile
40	111-24B	111-1-12	Mastic under 12" x 12" Cream Floor Tile (Clear)

12/6/04 11:20

204123076 504111-08

Relinquished by:	[signature]	Date/Time:	11/23/04
Received by:	[signature]	Date/Time:	11/24/04 10:00
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Project Name:	GE Plastics Bldgs. 107-115		
Project Number:	81.01398.0042		
Project Address:	Bldg. 111 – Exterior		

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Analysis Type: PLM	Sampled By:	Edward Kolodziej [signature]		Date: 11/22/04
Positive Stop: No	Project Manager:	Derrick Wissman		
Turnaround Time 5 Days	Results To:	Edward Kolodziej		
Fax Copy By: 413-525-8227			Emergency Pager:	
Hard Copy By: 413-525-1198			Additional Fax No.	

Special Instructions or Comments **Analyze all Layers**

Lab ID	Field ID	Location	Sample Description
	111-EXT-01A	Roof	Adhesive & Felt on under rubber membrane
	111-EXT-01B	Roof	Adhesive & Felt on under rubber membrane
	111-EXT-02A	Roof	Tar on Steel Deck
	111-EXT-03A	Roof	Flashing Adhesive under Rubber Membrane
	111-EXT-04A	Roof	Sealant (Pipe Hangar on Roof)
	111-EXT-05A	Roof	Gray Duct Sealant
	111-EXT-06A	Roof	Flashing Cement on Valve

ATTACHMENT G

SUMMARY OF ASBESTOS RESULTS

(BUILDING 112)

Asbestos & Lead Inspection Report
GE Advanced Materials
Site No. 1 Demolition Project
Pittsfield, Massachusetts

December 29, 2004

BUILDING 112

SUMMARY OF POSITIVE ASBESTOS-CONTAINING MATERIALS

BUILDING 112

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
112-01	Thermal Magnesia Pipe Insulation	50 LF	Above Ceiling Tile
112-01	Sheetrock/Joint Compound	160 SF	
112-01	Door Frame Caulking	20 LF	
112-02	Thermal Magnesia Pipe Insulation	10 LF	
112-02	9" x 9" FT	20 SF	
112-02	Electrical Boxes	2 EA	Includes transite, wire, switches, etc.
112-03	Thermal Magnesia Pipe Insulation	9 LF	
112-03	Cementitious Fitting Insulation		Debris on Ceiling Tile
112-03	Sheetrock/Joint Compound	200 SF	
112-03	9" x 9" FT	96 SF	
112-03	Fire Door	1 EA	
112-04	Thermal Magnesia Pipe Insulation	4 LF	
112-04	Sheetrock/Joint Compound	120 SF	
112-04	Electrical Boxes	6 EA	Includes transite, wire, switches, etc.
112-04	Cementitious Fitting Insulation	2 EA	
112-05	Thermal Magnesia Pipe Insulation	4 LF	
112-05	Sheetrock/Joint Compound	600 SF	
112-05	Electrical Boxes	2 EA	Includes transite, wire, switches, etc.
112-06	Cementitious Fitting Insulation	60 LF	
112-06	9" x 9" FT	66 SF	
112-06	Transite in Fume Hoods	3 EA	
112-06	Gaskets	3 EA	On Ovens

BUILDING 112

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
112-06	Black Lab Table Tops	7 EA	
112-06	Cementitious Fitting Insulation	5 EA	
112-07	Gaskets	7 EA	
112-08	Gaskets	1 EA	on Light
112-09	Thermal Magnesia Pipe Insulation		Debris on Floor
112-09	Door Frame Caulking	20 LF	
112-10	Cementitious Fitting Insulation	4 EA	
112-10	Gaskets	3 EA	on Lights
112-10	Door Caulk	20 LF	
112-10	Old Fluorescent Light	1 EA	
112-10	Gummy Wrap (Black)		
112-11	Gaskets	5 EA	
112-12	Thermal Magnesia Pipe Insulation	10 LF	Debris on Floor
112-12	Cementitious Fitting Insulation	10 EA	
112-12	Gaskets	8 EA	on Lights
112-13	Gaskets	2 EA	on Lights
112-14	Gaskets	1 EA	on Light
112-15	Old Fluorescent Light	2 EA	
112-15	Gaskets	1 EA	on Light
112-16	Gaskets	1 EA	on Light
112-16	Old Fluorescent Light	1 EA	
112-17	Gaskets	4 EA	
112-18	Gaskets	1 EA	on Light
112-19	Thermal Magnesia Pipe Insulation	15 LF	Debris o n Floor
112-19	Cementitious Fitting Insulation	3 EA	
112-19	Gaskets	5 EA	On Light
Roof	Tar with Fiberglass	1000 SF	
Roof	Insulation Board with Tar	2200 SF	

BUILDING 112

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
Roof	Flashing Cement	450 LF	
Roof	Felt Layers over Foam Insulation	875 SF	
Roof	Felt Layers/Felt Layers under Foam Insulation	1650 SF	
Roof	Duct Sealant (Grey)	10 LF	
Roof	Gaskets	10 EA	
Roof	Transite	650 SF	Located under Foam Insulation
Exterior	Window Glazing	6 EA	
Exterior	Old Light Gaskets	4 EA	

Asbestos & Lead Inspection Report
GE Advanced Materials
Site No. 1 Demolition Project
Pittsfield, Massachusetts

December 29, 2004

BUILDING 112

SUMMARY OF NEGATIVE ASBESTOS-CONTAINING MATERIALS

BUILDING 112 SUMMARY OF NEGATIVE ASBESTOS-CONTAINING MATERIALS	
LOCATION	**MATERIAL**
112-02, 112-05, 112-06	12" x 12" FT
112-03, 112-06	12" x 12" FT (Stone Pattern)
112-01,	12" x 12" FT (Tan/Red Streaks)
112-01, 112-02, 112-03, 112-05,	2' x 4' Suspended Ceiling Tiles
112-01, 112-05, 112-06	4" Covebase
112-02, 112-03, 112-06	6" Covebase
112-07,	Ceiling Paint Coating
112-06,	Cementitious Vapor Barrier Wall Coating
112-06,	Ceramic FT Adhesive
112-06,	Ceramic FT Grout
112-19	Coating (Black) on FG Pipe Insulation
112-07,	Floor Paint Coating
112-02, 112-05, 112-06	Mastic under 12" x 12" FT
112-03, 112-06	Mastic under 12" x 12" FT (Stone Pattern)
112-01,	Mastic under 12" x 12" FT (Tan/Red Streaks)
112-01, 112-05, 112-06	Mastic under 4" Covebase
112-02, 112-03, 112-06	Mastic under 6" Covebase
112-02, 112-03, 112-06	Mastic under 9" x 9" FT
112-06,	Plaster – Skim
112-06,	Plaster –Base
112-06,	Vapor Barrier Wall Coating
112-06	Window Glazing
Roof	Felt Layers
Roof	Felt /Tar Paper Layer
Roof	Felt Layers over Metal Deck
Roof	Tar Paper Layer over Metal
Roof	Felt over Foam Insulation
Roof	Felt under Foam Insulation
Roof	Duct Sealant (Red)

BUILDING 112

LABORATORY REPORTS/CHAIN-OF-CUSTODY (PLM)

AMERI SCI

AmeriSci Boston
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/07/04
Date Examined 12/13/04

AmeriSci Job No.504121109
P.O. # 05-81-0015
Page 1 of 12

RE 81.01398.0042; G.E. Pittsfield ; Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112-01A	504121109-01	*No*	NAD
1	**Location:** Bldg. 112 - Room 112-01		
	Description: Brown/Off-White, Heterogeneous, 12"x12" FT (Tan/Red Streaks)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-02A	504121109-02	*No*	NAD
2	**Location:** Bldg. 112 - Room 112-01		
	Description: Brown/Black, Heterogeneous, 12"x12" FT (Tan/Red) Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-03A	504121109-03	*No*	NAD
3	**Location:** Bldg. 112 - Room 112-01		
	Description: Brown/Off-White, Heterogeneous, 2'x4' Suspended CT		
	Asbestos Types:		
	Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %		
112-04A	504121109-04	*Yes*	15 %
4	**Location:** Bldg. 112 - Room 112-01		
	Description: Off-White, Homogeneous, Thermal Magnesia Pipe Insul		
	Asbestos Types: Chrysotile 15. %		
	Other Material: Non-fibrous 85. %		
112-05A	504121109-05	*No*	NAD
5	**Location:** Bldg. 112 - Room 112-01		
	Description: Brown/Off-White, Heterogeneous, Sheetrock		
	Asbestos Types:		
	Other Material: Cellulose 10. %, Non-fibrous 90. %		

AMERI SCI

AmeriSci Boston
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/07/04
Date Examined 12/13/04

AmeriSci Job No.504121109
P.O. # 05-81-0015
Page 2 **of** 12

RE 81.01398.0042; G.E. Pittsfield ; Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112-06A	504121109-06	*No*	NAD
6	**Location:** Bldg. 112 - Room 112-01		
	Description: White, Homogeneous, Joint Compound		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-07A	504121109-07	*No*	NAD
7	**Location:** Bldg. 112 - Room 112-01		
	Description: Brown, Homogeneous, 4" Covebase (Brown)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-07AM	504121109-08	*No*	NAD
7	**Location:** Bldg. 112 - Room 112-01		
	Description: Yellow, Homogeneous, 4" Covebase (Brown) Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-08A	504121109-09	*No*	NAD
8	**Location:** Bldg. 112 - Room 112-01		
	Description: Off-White, Homogeneous, Door Frame Caulking		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-09A	504121109-10	*Yes*	8 %
9	**Location:** Bldg. 112 - Room 112-02		
	Description: Beige, Homogeneous, 9"x9" FT		
	Asbestos Types: Chrysotile 8. %		
	Other Material: Non-fibrous 92. %		

AMERI SCI

AmeriSci Boston
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/07/04
Date Examined 12/13/04
AmeriSci Job No. 504121109
P.O. # 05-81-0015

RE 81.01398.0042; G.E. Pittsfield ; Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112-10A	504121109-11	*No*	NAD
10	**Location:** Bldg. 112 - Room 112-02		
	Description: Black, Homogeneous, 9"x9" FT Mastic (Black)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-01B	504121109-12	*No*	NAD
1	**Location:** Bldg. 112 - Room 112-02		
	Description: Off-White, Homogeneous, 12"x12" FT		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-02B	504121109-13	*No*	NAD
2	**Location:** Bldg. 112 - Room 112-02		
	Description: Black, Homogeneous, 12"x12" FT Mastic (Black)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-11A	504121109-14	*No*	NAD
11	**Location:** Bldg. 112 - Room 112-02		
	Description: Brown, Homogeneous, 6" Covebase (Brown)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-11AM	504121109-15	*No*	NAD
11	**Location:** Bldg. 112 - Room 112-02		
	Description: Brown, Homogeneous, 6" Covebase (Brown) Mastic		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

AMERI SCI

AmeriSci Boston
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/07/04
Date Examined 12/13/04

AmeriSci Job No.504121109
P.O. # 05-81-0015
Page 4 **of** 12

RE 81.01398.0042; G.E. Pittsfield ; Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112-12A	504121109-16	*No*	NAD
12	**Location:** Bldg. 112 - Room 112-03		
	Description: Brown/Off-White, Homogeneous, 12"x12" FT (Stone Pattern)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
12-13A	504121109-17	*No*	NAD
13	**Location:** Bldg. 112 - Room 112-03		
	Description: Yellow, Homogeneous, 12"x12" FT (Stone)Mastic (Yel)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-14A	504121109-18	*Yes*	35 %
14	**Location:** Bldg. 112 - Room 112-03		
	Description: Off-White, Homogeneous, Cementitious Fitting Insul.		
	Asbestos Types: Chrysotile 35. %		
	Other Material: Non-fibrous 65. %		
112-04B	504121109-19	*Yes*	30 %
4	**Location:** Bldg. 112 - Room 112-03		
	Description: Off-White, Homogeneous, Thermal Magnesia Pipe Insul.		
	Asbestos Types: Amosite 15. %, Chrysotile 15. %		
	Other Material: Non-fibrous 70. %		
112-03B	504121109-20	*No*	NAD
3	**Location:** Bldg. 112 - Room 112-06		
	Description: Brown/Off-White. Heterogeneous, 2'x4' CT, Suspended		
	Asbestos Types:		
	Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %		

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/07/04
Date Examined 12/13/04

AmeriSci Job No.504121109
P.O. # 05-81-0015

RE 81.01398.0042; G.E. Pittsfield ; Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112-09B	504121109-21	*No*	NAD
9	**Location:** Bldg. 112 - Room 112-03		
	Description: Off-White, Homogeneous, 9"x9" FT		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-10B	504121109-22	*No*	NAD
10	**Location:** Bldg. 112 - Room 112-03		
	Description: Black, Homogeneous. 9"x9" FT Mastic (Black)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-12B	504121109-23	*No*	NAD
12	**Location:** Bldg. 112 - Room 112-06		
	Description: Brown/Off-White, Homogeneous, 12"x12" FT (Stone)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-13B	504121109-24	*No*	NAD
13	**Location:** Bldg. 112 - Room 112-06		
	Description: Yellow, Homogeneous, 12"x12" FT (Stone)Mastic (Yel)		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-15A	504121109-25	*No*	NAD
15	**Location:** Bldg. 112 - Room 112-06		
	Description: Grey, Homogeneous, Ceramic FT Grout		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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RE 81.01398.0042; G.E. Pittsfield ; Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112-16A	504121109-26	*No*	NAD
16	**Location:** Bldg. 112 - Room 112-06		
	Description: Brown, Homogeneous, Ceramic FT Adhesive		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
12-17A	504121109-27	*No*	NAD
17	**Location:** Bldg. 112 - Room 112-06		
	Description: Brown/Off-White, Homogeneous, Plaster Wall Skim Coat		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-18A	504121109-28	*No*	NAD
18	**Location:** Bldg. 112 - Room 112-06		
	Description: Brown, Homogeneous, Plaster Wall Base Coat		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-17B	504121109-29	*No*	NAD
17	**Location:** Bldg. 112 - Room 112-06		
	Description: Brown/White, Homogeneous, Plaster Wall Skim Coat		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-18B	504121109-30	*No*	NAD
'8	**Location:** Bldg. 112 - Room 112-06		
	Description: Brown, Homogeneous, Cementitious, Plaster Wall Base Coat		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

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RE 81.01398.0042; G.E. Pittsfield ; Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112-17C	504121109-31	*No*	NAD
17	**Location:** Bldg. 112 - Room 112-06		
	Description: Brown/Off-White, Homogeneous, Plaster Wall Skim Coat		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
12-18C	504121109-32	*No*	NAD
18	**Location:** Bldg. 112 - Room 112-06		
	Description: Brown, Homogeneous, Cementitious, Plaster Wall Base Coat		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-04C	504121109-33	*Yes*	30 %
4	**Location:** Bldg. 112 - Room 112-06		
	Description: Off-White, Homogeneous, Thermal Magnesia Pipe Ins.		
	Asbestos Types: Amosite 15. %, Chrysotile 15. %		
	Other Material: Non-fibrous 70. %		
112-19A	504121109-34	*Yes*	3 %
19	**Location:** Bldg. 112 - Room 112-06		
	Description: Off-White, Homogeneous, Ceiling Caulking		
	Asbestos Types: Chrysotile 3. %		
	Other Material: Non-fibrous 97. %		

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RE 81.01398.0042; G.E. Pittsfield ; Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112-20A	504121109-35	*No*	NAD
20A	**Location:** Bldg. 112 - Room 112-06		

Description: Black, Homogeneous, Vapor Barrier Wall Coating
Asbestos Types:
Other Material: Non-fibrous 100. %
Comment: Black Layer

112-20AC	504121109-36	*No*	NAD
20	**Location:** Bldg. 112 - Room 112-06		

Description: Brown/Off-White, Homogeneous, Cementitious, Vapor Barrier Wall Coat (Blk)
Asbestos Types:
Other Material: Cellulose Trace, Non-fibrous 100. %

112-20B	504121109-37	*No*	NAD
20B	**Location:** Bldg. 112 - Room 112-06		

Description: Black, Homogeneous, Vapor Barrier
Asbestos Types:
Other Material: Non-fibrous 100. %
Comment: Black Layer

112-20BC	504121109-38	*No*	NAD
20BC	**Location:** Bldg. 112 - Room 112-06		

Description: Brown/Off-White, Homogeneous, Cementitious, Vapor Barrier Wall Coat (Blk)
Asbestos Types:
Other Material: Non-fibrous 100. %

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P.O. # 05-81-0015

RE 81.01398.0042; G.E. Pittsfield ; Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112-14B	504121109-39	*Yes*	25 %
14	**Location:** Bldg. 112 - Room 112-06		
	Description: Brown/Off-White, Homogeneous, Cementitious Fitting Insul.		
	Asbestos Types: Chrysotile 25. %		
	Other Material: Fibrous glass 15. %, Non-fibrous 60. %		
112-21A	504121109-40	*No*	NAD
21	**Location:** Bldg. 112 - Room 112-06		
	Description: Off-White, Homogeneous, Window Glazing		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-05B	504121109-41	*No*	NAD
5	**Location:** Bldg. 112 - Room 112-06		
	Description: Brown/Off-White, Heterogeneous, Sheetrock		
	Asbestos Types:		
	Other Material: Cellulose 10. %, Non-fibrous 90. %		
112-06B	504121109-42	*Yes*	3 %
6	**Location:** Bldg. 112 - Room 112-06		
	Description: Tan, Heterogeneous, Joint Compound		
	Asbestos Types: Chrysotile 3. %		
	Other Material: Non-fibrous 97. %		
112-22A	504121109-43	*No*	NAD
22	**Location:** Bldg. 112 - Room 112-07		
	Description: Off-White, Heterogeneous, Wall/Ceiling Paint Coating		
	Asbestos Types:		
	Other Material: Cellulose 5. %, Non-fibrous 95. %		

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RE 81.01398.0042; G.E. Pittsfield ; Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112-22B	504121109-44	*No*	NAD
22	**Location:** Bldg. 112 - Room 112-07		
	Description: Off-White, Heterogeneous, Wall/Ceiling Paint Coating		
	Asbestos Types:		
	Other Material: Cellulose 5. %, Non-fibrous 95. %		
112-23A	504121109-45	*No*	NAD
23	**Location:** Bldg. 112 - Room 112-07		
	Description: Blue-Grey, Homogeneous, Floor Paint Coating		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112-04D	504121109-46	*Yes*	25 %
4	**Location:** Bldg. 112 - Room 112-09		
	Description: Off-White, Homogeneous, Thermal Magnesia Debris		
	Asbestos Types: Chrysotile 25. %		
	Other Material: Non-fibrous 75. %		
112-04E	504121109-47	*Yes*	30 %
4	**Location:** Bldg. 112 - Room 112-12		
	Description: Off-White, Homogeneous, Thermal Magnesia Debris		
	Asbestos Types: Amosite 15. %, Chrysotile 15. %		
	Other Material: Non-fibrous 70. %		
112-14C	504121109-48	*Yes*	< 1. %
14	**Location:** Bldg. 112 - Room 112-10		
	Description: Off-White, Homogeneous, Cementitious Fitting Insul.		
	Asbestos Types: Chrysotile Trace		
	Other Material: Fibrous glass 20. %, Non-fibrous 80. %		

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RE 81.01398.0042; G.E. Pittsfield ; Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112-14D 14	504121109-49 **Location:** Bldg. 112 - Room 112-10	*Yes*	10 %
	Description: Off-White, Homogeneous, Cementitious Fitting Insul. **Asbestos Types:** Chrysotile 10. % **Other Material:** Fibrous glass 15. %, Non-fibrous 75. %		
12-24A 24	504121109-50 **Location:** Bldg. 112 - Room 112-19	*No*	NAD
	Description: Black, Homogeneous, Coating (Blk) On FG Pipe Ins. **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
112-24B 24	504121109-51 **Location:** Bldg. 112 - Room 112-19	*No*	NAD
	Description: Off-White, Homogeneous, Coating (Blk) On FG Pipe Ins. **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
112-25A 25	504121109-52 **Location:** Bldg. 112 - Room 112-10	*Yes*	5 %
	Description: Black, Homogeneous, Gummy Wrap (Blk) On Pipe **Asbestos Types:** Chrysotile 5. % **Other Material:** Non-fibrous 95. %		
112-26A 26	504121109-53 **Location:** Bldg. 112 - Room 112-12	*Yes*	3 %
	Description: Off-White, Homogeneous. Door Frame Caulking **Asbestos Types:** Chrysotile 3. % **Other Material:** Non-fibrous 97. %		

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RE 81.01398.0042; G.E. Pittsfield ; Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112-27A	504121109-54	*No*	NAD
27	**Location:** Bldg. 112 - Room 112-18		

Description: Grey, Homogeneous, Duct Seam Caulking (Grey)
Asbestos Types:
Other Material: Non-fibrous 100. %

Reporting Notes:

Analyzed by: Matthew J. Perry [signature] Date Analyzed: 12/13/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By:_____

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Edward Kolodziej
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/24/04 **AmeriSci Job No.**504111414
Date Examined 11/29/04 **P.O. #** 05-81-0015
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RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 112 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112-EXT-01A	504111414-01	*Yes*	5 % [1]

Location: Roof (Under Foam Insulation)

Description: Silver/Black, Heterogeneous, Tar With Fiberglass
Asbestos Types: Chrysotile 5. %
Other Material: Non-fibrous 95. %

112-EXT-02A	504111414-02	*No*	NAD

Location: Roof

Description: Black, Homogeneous, Felt Layers
Asbestos Types:
Other Material: Cellulose 35. %, Non-fibrous 65. %

112-EXT-03A	504111414-03	*No*	NAD

Location: Roof

Description: Silver/Black, Heterogeneous, Paint (Silver) On Rubber Membr
Asbestos Types:
Other Material: Wollastonite Trace, Non-fibrous 100. %

112-EXT-04A	504111414-04	*Yes*	10 % [1]

Location: Roof

Description: Silver/Brown, Heterogeneous, Insulation Board With Tar
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

112-EXT-05A	504111414-05	*No*	NAD

Location: Roof

Description: Black, Heterogeneous, Felt Layers
Asbestos Types:
Other Material: Cellulose 35. %, Non-fibrous 65. %

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PLM Bulk Asbestos Report

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AmeriSci Job No.504111414
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RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 112 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112-EXT-06A	504111414-06	*No*	NAD

Location: Roof (Under Felt)
Description: Black, Heterogeneous, Felt/Tar Paper Layer
Asbestos Types:
Other Material: Cellulose 15. %, Non-fibrous 85. %

12-EXT-07A	504111414-07	*Yes*	18 %

Location: Roof (On Metal Cap)
Description: Black, Homogeneous, Flashing Cement
Asbestos Types: Chrysotile 18. %
Other Material: Non-fibrous 82. %

112-EXT-08A	504111414-08	*No*	NAD

Location: Roof (Under Rubber Membrane Over Foam Insulation)
Description: Black, Homogeneous, Felt Paper
Asbestos Types:
Other Material: Fibrous glass 75. %, Non-fibrous 25. %

112-EXT-09A	504111414-09	*No*	NAD

Location: Roof (Under Foam Insulation)
Description: Black, Homogeneous, Felt Paper
Asbestos Types:
Other Material: Cellulose 30. %, Non-fibrous 70. %

112-EXT-10A	504111414-10	*Yes*	15 %

Location: Roof (On Concrete Wall)
Description: Black, Heterogeneous, Flashing Cement
Asbestos Types: Chrysotile 15. %
Other Material: Non-fibrous 85. %

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RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 112 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112-EXT-11A	504111414-11	*No*	NAD

Location: Roof
Description: Brown/Black, Heterogeneous, Felt Layers Over Metal Deck
Asbestos Types:
Other Material: Cellulose 35. %, Non-fibrous 65. %

12-EXT-12A	504111414-12	*Yes*	20 %

Location: Roof
Description: Brown/Black, Heterogeneous, Felt Layers Over Foam Insul.
Asbestos Types: Chrysotile 20. %
Other Material: Cellulose 20. %, Non-fibrous 60. %

112-EXT-13A	504111414-13	*Yes*	15 %

Location: Roof (Under Foam Insulation)
Description: Brown/Black, Heterogeneous, Tar Paper
Asbestos Types: Chrysotile 15. %
Other Material: Cellulose 15. %, Non-fibrous 70. %

112-EXT-14A	504111414-14	*No*	NAD

Location: Roof
Description: Black, Heterogeneous, Tar Paper Layer Over Metal
Asbestos Types:
Other Material: Cellulose 35. %, Non-fibrous 65. %

12-EXT-15A	504111414-15	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Felt Over Foam Insulation
Asbestos Types:
Other Material: Cellulose 25. %, Non-fibrous 75. %

BUILDING 111 SUMMARY OF ASBESTOS-CONTAINING MATERIALS			
LOCATION	**MATERIAL**	**QUANTITY**	**NOTES**
111-1-10	9" x 9" Tan Speckled Floor Tile & Mastic	80 SF	
111-1-11	Fitting on Fiberglass Insulated Lines	8 EA	Column by heater unit
111-1-11	9" x 9" Tan Speckled Floor Tile & Mastic	330 SF	
111-1-11	Panel Adhesive (Black)	330 SF	
111-1-12	Sheetrock/Joint Compound	520 SF	
111-1-13	9" x 9" Tan Speckled Floor Tile & Mastic	275 SF	
111-1-13	Gaskets	3 EA	
Exterior	Window Glazing	10 EA	
Exterior	Transite	800 SF	
Exterior	Old Fluorescent Lights (Wiring)	2 EA	

Table I
Summary of Bulk Asbestos Analysis Results
81.0398.0042; GE Buildings 107-115; GE Pittsfield

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	110-03A		0.323	27.86	70.59	1.55	NA	NAD
02	G.E. Building #110- Rm. 110-1-01 110-03M		0.248	53.23	6.85	39.92	NA	NAD
03	G.E. Building #110- Rm. 110-1-01 110-06A		0.571	18.74	74.08	5.78	NA	Chrysotile 1.4
04	G.E. Building #110- Rm. 110-1-01 110-07A		0.136	28.68	60.29	11.03	NA	NAD
05	G.E. Building #110- Rm. 110-1-02 110-09A		0.447	27.07	64.21	8.72	NA	NAD
06	G.E.Building #110- Rm. 110-1-03 110-13A		0.052	73.08	11.54	12.28	NA	Chrysotile 3.1
07	Building #110- Rm. 110-1-13 110-17AM		0.507	50.89	4.14	44.97	NA	NAD
08	Building #110- Rm. 110- 110-19A		0.506	63.24	1.19	35.57	NA	NAD
09	Building #110- Rm. 110-1-20 110-20A		0.911	29.97	33.81	34.42	NA	Anthophyllite 1.8
10	Building #110- Rm. 110-1-23 110-24A		0.107	77.57	10.28	11.90	NA	Chrysotile <1.0
11	Building #110- Rm. 110-2-01 110-26A		0.541	46.58	31.42	22.00	NA	NAD
	Building #110- Rm. 110-1-04							

Client Name: ATC Associates

Table I
Summary of Bulk Asbestos Analysis Results
81.0398.0042; GE Buildings 107-115; GE Pittsfield

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
12	110-28A Building #110- Rm. 110-1-09		0.858	62.47	13.64	23.89	NA	NAD

Analyzed by: Marik Peysakhov_____; Date Analyzed 12/26/2004

Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.1/198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843. NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

AmeriSci Job #: **204123078**

Client Name: ATC Associates

Table I

Summary of Bulk Asbestos Analysis Results

81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 110- Exterior

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	110-EXT-04A Roof		0.06	40.00	40.00	19.90	NA	Chrysotile Trace
02	110-EXT-05A Roof		0.191	58.12	24.08	17.70	NA	Chrysotile Trace
03	110-EXT-07A Roof		0.284	98.24	1.06	0.60	NA	Chrysotile Trace
04	110-EXT-24A Roof Level 3 (Room R8)		0.069	81.16	14.49	2.15	NA	Chrysotile 2.2
05	110-EXT-26A Roof Level 3 (Room R9)		0.219	49.32	4.57	46.12	NA	NAD

Analyzed by: Paul J. Mucha Date Analyzed 12/27/2004

Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.1/198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843, NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

Relinquished by: Edward Kolodziej	Date/Time: 12/3/04	[redacted]	
Received by: [illegible]	Date/Time: 12/6/04 9:45		
Relinquished by:	Date/Time:		
Received by: [illegible]	Date/Time: 12/4/04 1050	8 SCHOOL STREET WEYMOUTH, MA 02189 (781) 337-9334 FAX: (781) 337-7642	
Relinquished by:	Date/Time:		
Project Name:	GE Plastics Bldgs. 107-115		
Project Number:	81.01398.0042		
Project Address:	Bldg. 110 – Exterior		

Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date: 11/21/04
Positive Stop:	No	Project Manager:	Derrick Wissman	
Turnaround Time	5 Days	Results To:	Edward Kolodziej	
Fax Copy By:	413-525-8227		Emergency Pager:	
Hard Copy By:	413-525-1198		Additional Fax No.	2041230 78

Special Instructions or Comments **Analyze all Layers**

Lab ID	Field ID	Location	Sample Description
1	110-EXT-01A	Roof	Flashing Cement on Concrete
2	110-EXT-01B	Roof	Flashing Cement on Concrete
3	110-EXT-02A	Roof	Flashing Cement w/Felt over Concrete
4	110-EXT-02B	Roof	Flashing Cement w/Felt over Concrete
5	110-EXT-03A	Roof	White Duct Sealant
6	110-EXT-03B	Roof	White Duct Sealant
7	110-EXT-04A	Roof	Beige Duct Sealant
8	110-EXT-04B	Roof	Beige Duct Sealant (with Red Duct Sealant Underneath)
9	110-EXT-05A	Roof	Red Duct Sealant
10	110-EXT-05B	Roof	Red Duct Sealant
11	110-EXT-06A	Roof	Rubber, Felt Layer over Insulation Board
12	110-EXT-06B	Roof	Rubber, Felt Layer over Insulation Board
13	110-EXT-07A	Roof	Tar on Steel Deck
14	110-EXT-07B	Roof	Tar on Steel Deck
15	110-EXT-08A	Roof	Silver Paint (on Column)
16	110-EXT-08B	Roof	Silver Paint (on Block Wall)
17	110-EXT-08C	Roof (L2)	Silver Paint (on Wall)

Pat 12/6/04 10:20

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Relinquished by:		Date/Time: 12/3/04	
Received by:		Date/Time: 12/6/04 9:45	
Relinquished by:		Date/Time:	
Received by:		Date/Time: 12/24/04	1050
Relinquished by:		Date/Time:	
Project Name:	GE Plastics Bldgs. 107-115		
Project Number:	81.01398.0042		
Project Address:	Bldg. 110 – Exterior		

[redacted]

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WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date: 11/21/04
Positive Stop:	No	Project Manager:	Derrick Wissman	
Turnaround Time	5 Days	Results To:	Edward Kolodziej	
Fax Copy By:	413-525-8227			Emergency Pager:
Hard Copy By:	413-525-1198			Additional Fax No. 2041230 78

Special Instructions or Comments **Analyze all Layers**

Lab ID	Field ID	Location	Sample Description
18	110-EXT-08D	Roof (L2)	Silver Paint (on Roof)
19	110-EXT-09A	Roof (R2)	Skim Coat on Fiberglass Insulation
20	110-EXT-09B	Roof (R2)	Skim Coat on Fiberglass Insulation
21	110-EXT-10A	Roof (R2)	Tar Coating on Fiberglass Insulation
22	110-EXT-10B	Roof (R2)	Tar Coating on Fiberglass Insulation
23	110-EXT-11A	Roof	Flashing
24	110-EXT-11B	Roof	Flashing
25	110-EXT-12A	Roof (RS1)	Asphalt Roof Shingle
26	110-EXT-13A	Roof	Asphalt Roof Shingle with Felt Paper
27	110-EXT-14A	Roof	Asphalt Roof Panel with Tar Paper
28	110-EXT-15A	Roof	Silver Paint and Felt Layers
29	110-EXT-16A	Roof (R5 Roof)	Built-up Roof Layers
30	110-EXT-17A	Roof (R5 Roof)	Flashing Cement
31	110-EXT-18A	Roof (2nd Level)	Built-up roof under Rubber
32	110-EXT-19A	Roof (2nd Level)	Black Tar on Metal Roof
33	110-EXT-20A	Roof (R10)	Levelastic
34	110-EXT-21A	Roof Level 3 (Room R6)	Sheetrock

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Relinquished by:		Date/Time: 12/3/04	
Received by:		Date/Time: 12/6/04 9:15	
Relinquished by:		Date/Time:	
Received by:		Date/Time: 12/24/04 1050	
Relinquished by:		Date/Time:	

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FAX: (781) 337-7642

Project Name:	GE Plastics Bldgs. 107-115				
Project Number:	81.01398.0042				
Project Address:	Bldg. 110 – Exterior				
Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date:	11/21/04
Positive Stop:	No	Project Manager:	Derrick Wissman		
Turnaround Time	5 Days	Results To:	Edward Kolodziej		
Fax Copy By:	413-525-8227			Emergency Pager:	2041230 78
Hard Copy By:	413-525-1198			Additional Fax No.	
Special Instructions or Comments	**Analyze all Layers**				

Lab ID	Field ID	Location	Sample Description
35	110-EXT-21B	Roof Level 3 (Room R8)	Sheetrock
36	110-EXT-22A	Roof Level 3 (Room R6)	Joint Compound
37	110-EXT-22B	Roof Level 3 (Room R7)	Joint Compound
38	110-EXT-23A	Roof Level 3 (Room R8)	12" x 12" Floor Tile
39	110-EXT-24A	Roof Level 3 (Room R8)	Mastic under 12" x 12" Floor Tile
40	110-EXT-25A	Roof Level 3 (Room R9)	Brown Cove Base
41	110-EXT-26A	Roof Level 3 (Room R9)	Mastic under Brown Cove Base

12/6/04

ATTACHMENT F

SUMMARY OF ASBESTOS RESULTS

(BUILDING 111)

Asbestos & Lead Inspection Report
GE Advanced Materials
Site No. 1 Demolition Project
Pittsfield, Massachusetts

December 29, 2004

BUILDING 111

SUMMARY OF POSITIVE ASBESTOS-CONTAINING MATERIALS

BUILDING 111 SUMMARY OF ASBESTOS-CONTAINING MATERIALS			
LOCATION	**MATERIAL**	**QUANTITY**	**NOTES**
111-1-01	Sheetrock/Joint Compound	2,150 SF	
111-1-01	Door Caulking	1 EA	
111-1-02	Fitting on Fiberglass Insulated Lines	20 EA	
111-1-02	Door Caulking	1 EA	
111-1-02	Sheetrock/Joint Compound	400 SF	
111-1-03	Fitting on Fiberglass Insulated Lines	10 EA	
111-1-03	Sheetrock/Joint Compound	400 SF	
111-1-03	9" x 9" Tan Floor Tile & Mastic	150 SF	Under 12" x 12" Tile
111-1-03	Door Caulking	1 EA	
111-1-04	Aircell Pipe Insulation	15 LF	Chase in Block Wall
111-1-04	Sheetrock/Joint Compound	500 SF	
111-1-04	9" x 9" Tan Speckled Floor Tile & Mastic	135 SF	
111-1-05	Sheetrock/Joint Compound	550 SF	
111-1-05	9" x 9" Tan Speckled Floor Tile & Mastic	300 SF	
111-1-06	Aircell Pipe Insulation	15 LF	Adjacent to 111-1-05 in Block Wall
111-1-06	Sheetrock/Joint Compound	480 SF	
111-1-06	Transite	160 SF	Wall Panel
111-1-07	Fitting on Fiberglass Insulated Lines	18 EA	
111-1-07	9" x 9" Tan Speckled Floor Tile & Mastic	500 SF	
111-1-07	Sheetrock/Joint Compound	750 SF	
111-1-08	Fitting on Fiberglass Insulated Lines	10 EA	Column by heater unit
111-1-08	Sheetrock/Joint Compound	750 SF	
111-1-08	9" x 9" Tan Speckled Floor Tile & Mastic	625 SF	
111-1-09	Sheetrock/Joint Compound	375 SF	
111-1-09	9" x 9" Tan Speckled Floor Tile & Mastic	120 SF	

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Edward Kolodziej
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/24/04
Date Examined 11/29/04
AmeriSci Job No.504111414
P.O. # 05-81-0015

RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 112 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112-EXT-16A	504111414-16	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Felt Under Foam Insulation
Asbestos Types:
Other Material: Cellulose 25. %, Non-fibrous 75. %

112-EXT-17A	504111414-17	*Yes*	15 %

Location: Roof
Description: Black, Heterogeneous, Felt Layers
Asbestos Types: Chrysotile 15. %
Other Material: Cellulose 20. %, Non-fibrous 65. %

112-EXT-18A	504111414-18	*Yes*	15 %

Location: Roof
Description: Black, Homogeneous, Felt Layer Under Foam Insul.
Asbestos Types: Chrysotile 15. %
Other Material: Non-fibrous 85. %

112-EXT-19A	504111414-19	*Yes*	2 %

Location: Roof
Description: Grey, Homogeneous, Duct Sealant (Grey)
Asbestos Types: Chrysotile 2. %
Other Material: Non-fibrous 98. %

112-EXT-20A	504111414-20	*No*	NAD

Location: Roof
Description: Red, Homogeneous, Duct Sealant (Red)
Asbestos Types:
Other Material: Non-fibrous 100. %

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Edward Kolodziej
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/24/04 **AmeriSci Job No.**504111414
Date Examined 11/29/04 **P.O. #** 05-81-0015
Page 5 **of** 5

RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 112 - Exterior

Reporting Notes:

(1) Result is for one layer of a multi-layer sample.

Analyzed by: Matthew J. Perry _____; Date Analyzed: 11/25/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By:_____

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WEYMOUTH, MA 02189
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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/09/04
Date Examined 12/14/04

AmeriSci Job No.504121175
P.O. # 05-81-0015

RE 81.01398.0042; GE Bldgs. 107-115; GE Pittsfield

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112X-01A	504121175-01	*No*	NAD
1	**Location:** Bldg. 112 Exterior		
	Description: Brown/Off-White, Heterogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112X-01B	504121175-02	*No*	NAD
1	**Location:** Bldg. 112 Exterior		
	Description: Brown/Off-White, Heterogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112X-01C	504121175-03	*No*	NAD
1	**Location:** Bldg. 112 Exterior		
	Description: Brown/Off-White, Heterogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112X-01D	504121175-04	*No*	NAD
1	**Location:** Bldg. 112 Exterior		
	Description: Brown/Off-White, Heterogeneous, Wall Paint		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
112X-01E	504121175-05	*No*	NAD
1	**Location:** Bldg. 112 Exterior		
	Description: Brown/Off-White, Heterogeneous, Wall Paint		

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/09/04
Date Examined 12/14/04

AmeriSci Job No.504121175
P.O. # 05-81-0015
Page 2 **of** 2

RE 81.01398.0042; GE Bldgs. 107-115; GE Pittsfield

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
112X-02A	504121175-06	*No*	NAD
2	**Location:** Bldg. 112 Exterior		

Description: Off-White, Heterogeneous, Window Caulking
Asbestos Types:
Other Material: Non-fibrous 100. %

Reporting Notes:

Analyzed by: Matthew J. Perry ; Date Analyzed: 12/14/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: _____

Relinquished by:	Greg Morsch	Date/Time:	12/6/04
Received by:	Angela Magnoli	Date/Time:	12/7/04 1100
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

[redacted]

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(781) 649-2873

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334 FAX (781) 337-7642

Company Name:	ATC Associates, Inc.		
Company Address:	39 Spruce Street		
City: East Longmeadow	State: MA	Zip: 01028	
[redacted]	Project Name:	GE Pittsfield Bldgs 107-115	Analysis Type: (PLM) & TEM
Fax: (413) 525-8227	Project Address:	GE Pittsfield	Positive Stop: Yes (No)
Results to: Sandy Fabian	Project Manager: ~~Adam Lesko~~	D. Wissman	Turnaround Time: 5 days
Verbal Results: Yes No	Project Number:	81.01398.0042	Fax Copy by:
Cell or Pager #:	Sampled by:	G. Morsch Date: 12/6/04	Return Samples: Yes No
Site Fax:			
Additional Fax:	Special Instructions or Comments:	Separate mastics from tiles & cove base.	

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
1	112-01A	Bldg 112 - Room 112-01	12"x12" Tan w/Red Streaks tile	1
	112-02A	" " " " "	Black Mastic on 12x12 tile	2
	112-03A	" " " " "	2'x4' Suspended ceiling tile	3
	112-04A	" " " " "	Thermal magnesia pipe insulation	4
	112-05A	" " " " "	Sheetrock	5
	112-06A	" " " " "	Joint Compound	6
	112-07A	" " " " "	4" Brown covebase w/tan mastic	7
	112-08A	" " " " "	Door frame caulking	8
	112-09A	Bldg 112 - Room 112-02	9x9 Floor tile	9
	112-10A	" " " " "	Black mastic on 9x9 tile	10
	112-01B	" " " " "	12x12 Floor tile	1
	112-02B	" " " " "	Black mastic on 12x12 tile	2
	112-11A	" " " " "	6" Brown covebase w/brown masti	11

Relinquished by:	Teresa Knoblock	Date/Time:	12/6/04
Received by:	Angela Meggiolaro	Date/Time:	12/7/04 1100
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

[redacted]

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Company Name:	ATC Associates, Inc.
Company Address:	39 Spruce Street
City: East Longmeadow State: MA	Zip: 01028

[redacted]

Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Project Name:	GE Bldgs 107-115
Project Address:	GE Pittsfield
Project Manager: ~~Adam Lacko~~	D. Wissman
Project Number:	81.01398.0042
Sampled by:	G. Morsch Date: 12/6/04
Special Instructions or Comments:	Separate mastics from floor tiles

Analysis Type: (PLM) & TEM	
Positive Stop:	Yes (No)
Turnaround Time:	5 days
Fax Copy by:	
Return Samples:	Yes No

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	112-12A	Bldg 112- Rm 112-03	12x12 Stone Pattern floor tile	12
	112-13A	" " " " "	Yellow mastic on stone floor tile	13
	112-14A	" " " " "	Cementitious fitting insulation	14
	112-04B	" " " " "	thermal magnesia pipe insulation	4
	112-03B	" " Room 112-06	2x4 Suspended ceiling tile	3
	112-09B	" " Rm 112-03	9x9 Floor tile	9
	112-10B	" " Rm 112-03	Black mastic on 9x9 tile	10
	112-12B	" " Rm 112-06	12x12 Stone pattern floor tile	12
	112-13B	" " " " "	Yellow mastic on stone floor tile	13
	112-15A	" " " " "	Ceramic floor tile grout	~~15~~ 15
	112-16A	" " " " "	Ceramic floor tile adhesive	16
	112-17A	" " " " "	Plaster wall skim coat	17
	112-18A	" " " " "	Plaster wall base coat	

Received by:	Angela Magnoli	Date/Time:	12/7/04 1100
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

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504121109

Company Name: ATC Associates, Inc.
Company Address: 39 Spruce Street
City: East Longmeadow State: MA Zip: 01028
[redacted]
Fax: (413) 525-8227
Results to: Sandy Fabian
Verbal Results: Yes No
Cell or Pager #:
Site Fax:
Additional Fax:

Project Name: GE Bldgs 107-115
Project Address: GE Pittsfield
Project Manager: ~~Adam Lesko~~ D. Wissman
Project Number: 81.01398.0042
Sampled by: G. Morsch Date: 12/6/04

Analysis Type: (PLM) & TEM
Positive Stop: Yes (No)
Turnaround Time: 5 days
Fax Copy by:
Return Samples: Yes No

Special Instructions or Comments: separate black coating from plasters #112-20A,B

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
				17
	112 - 17B	Bldg 112 - Rm 112-06	Plaster wall skim coat	18
	112 - 18B	Bldg 112 - Rm 112-06	Plaster wall base coat	17
	112 - 17C	Bldg 112 " " "	Plaster wall skim coat	18
	112 - 18C	" " " " "	Plaster wall base coat	4
	112 - 04C	" " " " "	thermal magnesia pipe Ins.	19
	112 - 19A	" " " " "	Sink caulking	20
	112 - 20A	" " " " "	Black vapor barrier wall coating	20
	112 - 20B	" " " " "	" " " " "	~~21~~
	~~112 - 21A~~	~~" " " " "~~	~~Black HVAC duct seam sealant~~	14
	112 - 14B	" " " " "	Cementitious fitting insulation	21
	112 - 21A	" " " " "	Window glazing	5
	112 - 05B	" " " " "	Sheetrock	6
	112 - 06B	" " " " "	Joint Compound	

Relinquished by: Greg Morasco Date/Time: 12-6-04

Received by: Angela Magnoli Date/Time: 12/7/04 1100

Relinquished by: Date/Time:

Received by: Date/Time:

Relinquished by: Date/Time:

Received by: Date/Time:

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Phone: (413) 525-8221

Fax: (413) 525-8227

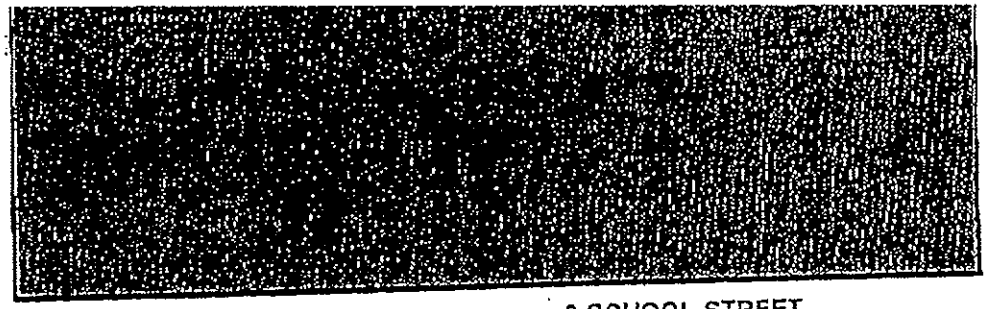
Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:



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(781) 337-9334 FAX (781) 337-7642

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Leslie~~ D. Wissman

Project Number: 81.01398.0042

Sampled by: G. Morasco Date: 12/6/04

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Special Instructions or Comments:

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	112-22A	Bldg 112 - Rm 112-07	Wall and ceiling paint coating	22
	112-22B	" " - " " "	" " " " "	22
	112-23A	" " - " " "	Floor paint coating	23
	112-04D	Bldg 112 - Rm 112-09	thermal magnesia debris	4
	112-04E	" " - Rm 112-12	" " "	4
	112-14C	" " - Rm 112-10	Cementitious fitting insulation	14
	112-14D	" " - " " "	" " "	14
	112-24A	" " - Rm 112-19	Black coating on fg pipe insulation	24
	112-24B	" " - " " "	" " " " "	
	~~112-24C~~	" " - " " "	~~" " " " "~~	
	112-25A	" " - Rm 112-10	Black gummy wrap on pipe	25
	112-26A	" " - Rm 112-12	Door frame caulking	26
	112-27A	" " - Rm [illegible]-18	Gray Duct seam caulking	7

Relinquished by:	Date/Time: 11/23/04	SCILAB
Received by:	Date/Time: 11/24/04 1000	
Relinquished by:	Date/Time:	8 SCHOOL STREET
Received by:	Date/Time:	WEYMOUTH, MA 02189
Relinquished by:	Date/Time:	(781) 337-9334
Project Name: GE Plastics Bldgs. 107-115		FAX: (781) 337-7642
Project Number: 81.01398.0042		
Project Address: Bldg. 112 – Exterior		

Date: 11/23/04

Analysis Type:	PLM	Sampled By:	Edward Kolodziej		
Positive Stop:	No	Project Manager:	Derrick Wissman		
Turnaround Time	5 Days	Results To:	Edward Kolodziej	Emergency Pager:	
Fax Copy By:	413-525-8227			Additional Fax No.	
Hard Copy By:	413-525-1198				
Special Instructions or Comments	**Analyze all Layers**				

Lab ID	Field ID	Location	Sample Description
	112-EXT-01A	Roof	Tar with Fiberglass under Foam Insulation
	112-EXT-02A	Roof	Felt Layers
	112-EXT-03A	Roof	Silver Paint on Rubber Membrane
	112-EXT-04A	Roof	Insulation Board with Tar
	112-EXT-05A	Roof	Felt Layers
	112-EXT-06A	Roof	Felt/tar paper layer under felt
	112-EXT-07A	Roof	Flashing Cement (on Metal Cap)
	112-EXT-08A	Roof	Felt Paper under Rubber Membrane over Foam Insulation
	112-EXT-09A	Roof	Felt Paper under Foam Insulation
	112-EXT-10A	Roof	Flashing Cement (On Concrete Wall)
	112-EXT-11A	Roof	Felt Layers over Metal Deck
	112-EXT-12A	Roof	Felt Layers over Foam Insulation
	112-EXT-13A	Roof	Tar paper under Foam Insulation
	112-EXT-14A	Roof	Tar paper layer over metal
	112-EXT-15A	Roof	Felt over Foam Insulation
	112-EXT-16A	Roof	Felt under Foam Insulation
	112-EXT-17A	Roof	Felt Layers

Relinquished by:	[signature]	Date/Time:	11/23/04
Received by:	[signature]	Date/Time:	11/24/04 1000
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Project Name:	GE Plastics Bldgs. 107-115
Project Number:	81.01398.0042
Project Address:	Bldg. 112 – Exterior

Date: 11/23/04

Analysis Type:	PLM	Sampled By:	Edward Kolodziej [signature]
Positive Stop:	No	Project Manager:	Derrick Wissman
Turnaround Time	5 Days	Results To:	Edward Kolodziej
Fax Copy By:	413-525-8227	Emergency Pager:	
Hard Copy By:	413-525-1198	Additional Fax No.	

Special Instructions or Comments **Analyze all Layers**

Lab ID	Field ID	Location	Sample Description
	112-EXT-18A	Roof	Felt Layer under Foam Insulation
	112-EXT-19A	Roof	Gray Duct Sealant
	112-EXT-20A	Roof	Red Duct Sealant

Relinquished by:	Greg Morsch	Date/Time:	12/8/04
Received by:	FAX	Date/Time:	12/9/04 10:20
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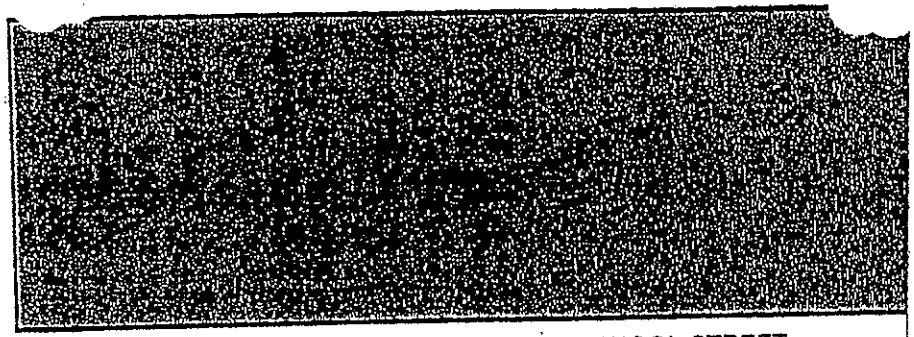
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	



Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Phone: (413) 525-2332

Fax: (413) 525-8227

Results to: Sandy Fablan

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Ameri Sci Emergency Pagers

(781) 317-1522

(781) 649-2873

8 SCHOOL STREET

WEYMOUTH, MA 02189

5041211 75 (781) 337-9334 FAX (781) 337-7642

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Leslie~~ D. Wissman

Project Number: 81.01398.0042

Sampled by: Greg Morsch Date: 12/8/04

Special Instructions or Comments: Bldg 112 Exterior

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Lab ID	Field ID	Location	Sample Description	Homogeneous Area
	112X-01A	Bldg 112 Exterior	Wall paint	1
	112X-01B	Bldg 112 Exterior	" "	1
	112X-01C	Bldg 112 Exterior	" "	1
	112X-01D	" " "	" "	1
	112X-01E	" " "	" "	1
	112X-02A	" " "	Window ~~caulking~~ glazing	2

BUILDING 112

LABORATORY REPORTS/CHAIN-OF-CUSTODY (TEM)

AmeriSci Job #: **204123127**

Client Name: ATC Associates

Table I

Summary of Bulk Asbestos Analysis Results

81.01398.0042; GE Pittsfield Bldg 107-115; GE Pittsfield

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	112-01A		0.421	23.04	58.91	18.05	NA	NAD
02	Building 12- Room 112-01 112-02A		0.123	84.55	8.94	6.40	NA	Chrysotile Trace
03	Building 112- Room 112-01 112-07A		0.392	67.35	7.14	25.51	NA	NAD
04	Building 112- Room 112-01 112-10A		0.181	79.56	4.97	15.22	NA	Chrysotile <1.0
05	Building 112- Room 112-02 112-11A		0.393	45.04	4.58	50.38	NA	NAD
06	Building 112- Room 112-02 112-12A		0.358	30.45	57.82	11.73	NA	NAD
07	Building 112- Room 112-03 112-13A		0.544	35.85	20.96	43.20	NA	NAD
08	Building 112- Room 112-03 112-16A		0.417	25.18	21.10	53.37	NA	Anthophyllite <1.0 Chrysotile Trace

Building 112- Room 112-06 "Total Asbestos Concentration For Multiple Asbestos Types Present Is Less Than 1%"

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
81.01398.0042; GE Pittsfield Bldg 107-115; GE Pittsfield

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
10	112-20B Building 112- Room 112-06		0.234	20.94	19.66	59.30	NA	Chrysotile Trace

Analyzed by: Paul J. Mucha; Date Analyzed 12/27/2004

Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.1/198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843. NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:

AmeriSci Job #: 204123117

Client Name: ATC Associates

Table I

Summary of Bulk Asbestos Analysis Results

81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 112- Exterior

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	112-EXT-03A Roof		0.502	84.26	8.17	7.47	NA	Chrysotile Trace
02	112-EXT-20A Roof		0.524	82.82	12.02	5.15	NA	NAD

Analyzed by: Paul J. Mucha; Date Analyzed 12/27/2004

Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.1/198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843, NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:

Relinquished by:	Greg Morsch	Date/Time:	12/6/04
Received by:	Angela Magnoli	Date/Time:	12/7/04 11
Relinquished by:		Date/Time:	
Received by:	[signature]	Date/Time:	12/24/04 1130
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

[redacted]

Ameri Sci Emergency Pagers
(781) 317-1522
(781) 649-2873

504121109

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334 FAX (781) 337-7642

Company Name: ATC Associates, Inc.
Company Address: 39 Spruce Street
City: East Longmeadow State: MA Zip: 01028

[redacted]

Fax: (413) 525-8227
Results to: Sandy Fabian
Verbal Results: Yes No
Cell or Pager #:
Site Fax:
Additional Fax:

Project Name: GE Pittsfield Bldgs 107-115
Project Address: GE Pittsfield
Project Manager: ~~Adam Lesko~~ D. Wissman
Project Number: 86.01398.0042
Sampled by: G. Morsch Date: 12/6/04

Analysis Type: PLM & TEM
Positive Stop: Yes No
Turnaround Time: 5 days
Fax Copy by: **20412312?**
Return Samples: Yes No

Special Instructions or Comments: Separate mastics from tiles + cove base.

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
Item 1 X	112-01A	Bldg 112 - Room 112-01	12"x12" Tan w/ Red Streaks tile	1
X	112-02A	" " " " "	Black mastic on 12x12 tile	2
	112-03A	" " " " "	2'x4' Suspended ceiling tile	3
	112-04A	" " " " "	Thermal magnesia pipe insulation	4
	112-05A	" " " " "	Sheetrock	5
	112-06A	" " " " "	Joint Compound	6
X	112-07A mastic	" " " " "	4" Brown cove base w/ tan mastic	7
	112-08A	" " " " "	Door frame caulking	8
	112-09A	Bldg 112 - Room 112-02	9x9 Floor tile	9
X	112-10A	" " " " "	Black mastic on 9x9 tile	10
	112-01B	" " " " "	12x12 Floor tile	1
	112-02B	" " " " "	Black mastic on 12x12 tile	2
X	112-11A mastic	" " " " "	6" Brown cove base w/ brown mastic	11

Relinquished by:	Greg Morsch	Date/Time:	12/6/04
Received by:	Angela Maggiodi	Date/Time:	12/7/04
Relinquished by:		Date/Time:	
Received by:		Date/Time:	12/24/04 11:30
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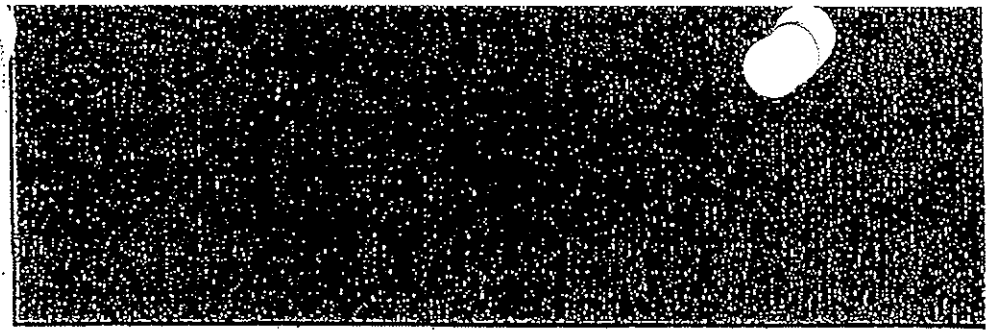
Received by:		Date/Time:	



Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Ameri Sci Emergency Pagers: 3041211 09 8 SCHOOL STREET

(781) 317-1522 WEYMOUTH, MA 02189

(781) 649-2873 (781) 337-9334 FAX (781) 337-7642

Phone: (413) 525-2332

Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Lasko~~ D. Wissman

Project Number: 81.01398.0042

Sampled by: G. Morsch Date: 12/6/04

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Sample: Yes (No)

Special Instructions or Comments: Separate mastics from floor tiles

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
X	112 - 12A	Bldg 112 - Rm 112-03	12x12 stone Pattern floor tile	12
X	112 - 13A	" " " " "	Yellow mastic on stone floor tile	13
	112 - 14A	" " " " "	Cementitious fitting insulation	14
	112 - 04B	" " " " "	thermal magnesia pipe insulation	4
	112 - 03B	" " Room 112-06	2x4 Suspended ceiling tile	3
	112 - 09B	" " Rm 112-03	9x9 Floor tile	9
	112 - 10B	" " Rm 112-03	Black mastic on 9x9 tile	10
	112 - 12B	" " Rm 112-06	12x12 stone pattern floor tile	12
	112 - 13B	" " " " "	Yellow mastic on stone floor tile	13
	112 - 15A	" " " " "	Ceramic floor tile grout	~~14~~ 15
X	112 - 16A	" " " " "	Ceramic floor tile adhesive	16
	112 - 17A	" " " " "	Plaster wall skim coat	17
		" " " " "		

Relinquished by:	Greg Morsch	Date/Time:	12/6/04
Received by:	Cindy Magnoli	Date/Time:	12/7/04 11:2
Relinquished by:		Date/Time:	
Received by:		Date/Time:	12/24/04 11:30
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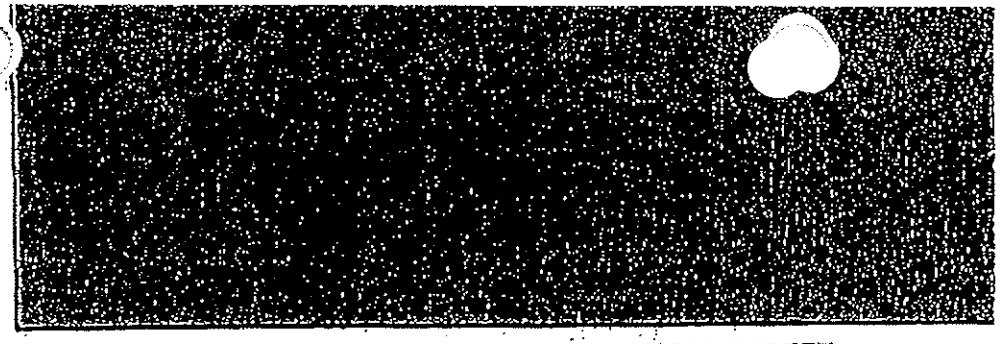
Received by:		Date/Time:	



Company Name:	ATC Associates, Inc.	Ameri Sci Emergency Pagers	8 SCHOOL STREET
Company Address:	39 Spruce Street	(781) 317-1522 **5041211 09**	WEYMOUTH, MA 02189
City: East Longmeadow State: MA	Zip: 01028	(781) 649-2873	(781) 337-9334 FAX (781) 337-7642

[redacted]	Project Name: GE Bldgs 107-115	Analysis Type: (PLM) & TEM
Fax: (413) 525-8227	Project Address: GE Pittsfield	Positive Stop: Yes (No)
Results to: Sandy Fabian	Project Manager: ~~Adam Lesko~~ D. Wissman	Turnaround Time: 5 days
Verbal Results: Yes No	Project Number: 81.01398.0042	Fax Copy by: **2041233127**
Cell or Pager #:	Sampled by: G. Morsch Date: 12/6/04	Return Samples: Yes No
Site Fax:		
Additional Fax:	Special Instructions or Comments: separate black coating from plasters #112-20A;	

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	112-17B	Bldg 112 - Rm 112-06	Plaster wall skim coat	17
[illegible]	112-18B	Bldg 112 - Rm 112-06	Plaster wall base coat	18
	112-17C	Bldg 112 " " "	Plaster wall skim coat	17
	112-18C	" " " " "	Plaster wall base coat	18
	112-04C	" " " " "	thermal magnesia pipe ins.	4
	112-19A	" " " " "	sink caulking	19
	112-20A	" " " " "	Black vapor barrier wall coating	20
X	112-20B	" " " " "	" " " " "	20
	~~112-21A~~	~~" " " " "~~	~~Black HVAC duct seam sealant~~	~~21~~
	112-14B	" " " " "	Cementitious fitting insulation	14
	112-21A	" " " " "	Window glazing	21
	112-05B	" " " " "	Sheetrock	5
	112-06B	" " " " "	Joint Compound	6

ved by:	Angela Magnelli	Date/Time:	12/7/04
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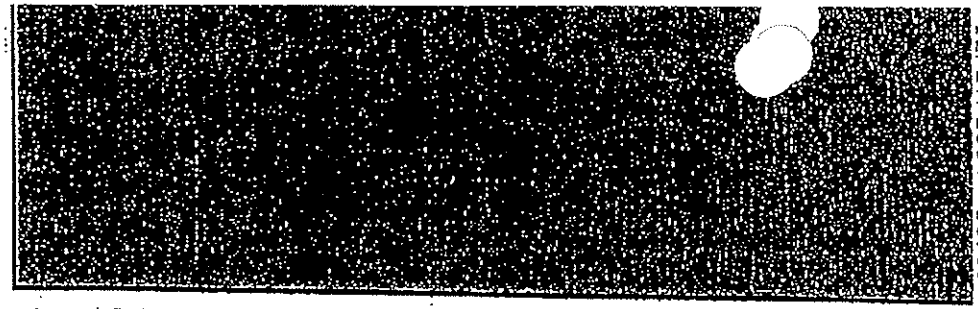
Received by:		Date/Time:	12/24/04 11:50
Relinquished by:		Date/Time:	
Received by:		Date/Time:	



Company Name:	ATC Associates, Inc.	Ameri Sci Emergency Pagers	8 SCHOOL STREET
Company Address:	39 Spruce Street	(781) 317-1522 **5041211109**	WEYMOUTH, MA 02189
City: East Longmeadow	State: MA Zip: 01028	(781) 649-2873	(781) 337-9334 FAX (781) 337-7642

[redacted]	Project Name: GE Bldgs 107-115	Analysis Type: (PLM) & TEM	
Fax: (413) 525-8227	Project Address: GE Pittsfield	Positive Stop: Yes (No)	
Results to: Sandy Fablan	Project Manager: ~~Adam Leslie~~ D. Wissman	Turnaround Time: 5 days	
Verbal Results: Yes No	Project Number: 81.01398.0042	Fax Copy by:	
Cell or Pager #:	Sampled by: G. Wrasch Date: 12/6/04	Return Samples: Yes No	
Site Fax:		**204123127**	
Additional Fax:	Special Instructions or Comments:		

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	112-22A	Bldg 112 - Rm 112-07	Wall and ceiling paint coating	22
	112-22B	" " - " " "	" " " " "	22
eline	112-23A	" " - " " "	Floor paint coating	23
	112-04D	Bldg 112 - Rm 112-09	thermal magnesia debris	4
	112-04E	" " - Rm 112-12	" " "	4
	112-14C	" " - Rm 112-10	Cementitious fitting insulation	14
	112-14D	" " - " " "	" " "	14
	112-24A	" " - Rm 112-19	Black coating on fg pipe insulation	24
	112-24B	" " - " " "	" " " " "	
	~~112-24C~~	~~" " - " " "~~	~~" " " " "~~	
	112-25A	" " - Rm 112-10	Black gummy wrap on pipe	25
	112-26A	" " - Rm 112-12	Door frame caulking	26
	112-27A	" " - Rm 112-18	Gray Duct seam caulking	27

504111414

Relinquished by:		Date/Time: 11/23/04	[redacted]
Received by:		Date/Time: 11/24/04 1022	
Relinquished by:		Date/Time:	
Received by:		Date/Time: 12/24/04 1150	8 SCHOOL STREET WEYMOUTH, MA 02189 (781) 337-9334 FAX: (781) 337-7642
Relinquished by:		Date/Time:	

Project Name:	GE Plastics Bldgs. 107-115				
Project Number:	81.01398.0042				
Project Address:	Bldg. 112 – Exterior				
Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date:	11/23/04
Positive Stop:	No	Project Manager:	Derrick Wissman		
Turnaround Time	5 Days	Results To:	Edward Kolodziej		
Fax Copy By:	413-525-8227			Emergency Pager:	2041231117
Hard Copy By:	413-525-1198			Additional Fax No.	
Special Instructions or Comments	**Analyze all Layers**				

Lab ID	Field ID	Location	Sample Description
	112-EXT-01A	Roof	Tar with Fiberglass under Foam Insulation
	112-EXT-02A	Roof	Felt Layers
	112-EXT-03A	Roof	Silver Paint on Rubber Membrane
	112-EXT-04A	Roof	Insulation Board with Tar
	112-EXT-05A	Roof	Felt Layers
	112-EXT-06A	Roof	Felt/tar paper layer under felt
	112-EXT-07A	Roof	Flashing Cement (on Metal Cap)
	112-EXT-08A	Roof	Felt Paper under Rubber Membrane over Foam Insulation
	112-EXT-09A	Roof	Felt Paper under Foam Insulation
	112-EXT-10A	Roof	Flashing Cement (On Concrete Wall)
	112-EXT-11A	Roof	Felt Layers over Metal Deck
	112-EXT-12A	Roof	Felt Layers over Foam Insulation
	112-EXT-13A	Roof	Tar paper under Foam Insulation
	112-EXT-14A	Roof	Tar paper layer over metal
	112-EXT-15A	Roof	Felt over Foam Insulation
	112-EXT-16A	Roof	Felt under Foam Insulation
	112-EXT-17A	Roof	Felt Layers

504111414

Relinquished by:		Date/Time: 11/23/04	[redacted]
Received by:		Date/Time: 11/24/04 1000	
Relinquished by:		Date/Time:	
Received by:		Date/Time: 12/24/04 1158	8 SCHOOL STREET WEYMOUTH, MA 02189 (781) 337-9334 FAX: (781) 337-7642
Relinquished by:		Date/Time:	
Project Name:	GE Plastics Bldgs. 107-115		
Project Number:	81.01398.0042		
Project Address:	Bldg. 112 – Exterior		

Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date:	11/23/04
Positive Stop:	No	Project Manager:	Derrick Wissman		
Turnaround Time	5 Days	Results To:	Edward Kolodziej		
Fax Copy By:	413-525-8227			Emergency Pager:	
Hard Copy By:	413-525-1198			Additional Fax No.	204123117

Special Instructions or Comments **Analyze all Layers**

Lab ID	Field ID	Location	Sample Description
	112-EXT-18A	Roof	Felt Layer under Foam Insulation
	112-EXT-19A	Roof	Gray Duct Sealant
	112-EXT-20A	Roof	Red Duct Sealant

ATTACHMENT H

SUMMARY OF ASBESTOS RESULTS

(BUILDING 113)

Asbestos & Lead Inspection Report
GE Advanced Materials
Site No. 1 Demolition Project
Pittsfield, Massachusetts

December 29, 2004

BUILDING 113

SUMMARY OF POSITIVE ASBESTOS-CONTAINING MATERIALS

BUILDING 113

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
113-01	Thermal Magnesium Pipe Insulation	8 LF	
113-01	Electrical Boxes	28 EA	Includes transite, wire, switches, etc.
113-01	Pipe Gaskets	4 EA	
113-01	Wiring on Fluorescent Lighting	26 EA	
113-01	Fire Doors	2 EA	
113-01	Duct Seam Sealant	8 EA	

Asbestos & Lead Inspection Report
GE Advanced Materials
Site No. 1 Demolition Project
Pittsfield, Massachusetts

December 29, 2004

BUILDING 113

SUMMARY OF NEGATIVE ASBESTOS-CONTAINING MATERIALS

BUILDING 113 SUMMARY OF NEGATIVE ASBESTOS-CONTAINING MATERIALS	
LOCATION	**MATERIAL**
113-01	Pipe Fitting Debris on Wall
113-01	End Coat on Fiberglass Insulation

BUILDING 113

LABORATORY REPORTS/CHAIN-OF-CUSTODY (PLM)

AMERI SCI

AmeriSci Boston
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/18/04
Date Examined 11/23/04

AmeriSci Job No.504111343
P.O. # 05-81-0015
Page 1 **of** 2

RE TBA; G.E. Pittsfield, Bldg. 113; Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
113-01A	504111343-01	*No*	NAD
1	**Location:** Bldg. 113, Room 113-01		
	Description: Grey, Homogeneous, Pipe Fitting Debris On Wall		
	Asbestos Types:		
	Other Material: Fibrous glass 15. %, Non-fibrous 85. %		
113-02A	504111343-02	*Yes*	25 %
2	**Location:** Bldg. 113, Room 113-01		
	Description: Off-White, Homogeneous, Thermal Magnesia Pipe Insul.		
	Asbestos Types: Chrysotile 25. %		
	Other Material: Cellulose 5. %, Non-fibrous 70. %		
113-03A	504111343-03	*Yes*	5 %
3	**Location:** Bldg. 113, Room 113-01		
	Description: Brown, Homogeneous, Duct Seam Sealant		
	Asbestos Types: Chrysotile 5. %		
	Other Material: Non-fibrous 95. %		
113-04A	504111343-04	*No*	NAD
4	**Location:** Bldg. 113, Room 113-01		
	Description: Yellow/White, Homogeneous, End Coat On FG Pipe Insul.		
	Asbestos Types:		
	Other Material: Cellulose 5. %, Fibrous glass 55. %, Non-fibrous 40. %		

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/18/04
Date Examined 11/23/04

AmeriSci Job No.504111343
P.O. # 05-81-0015
Page 2 **of** 2

RE TBA; G.E. Pittsfield, Bldg. 113; Bldgs. 107-115

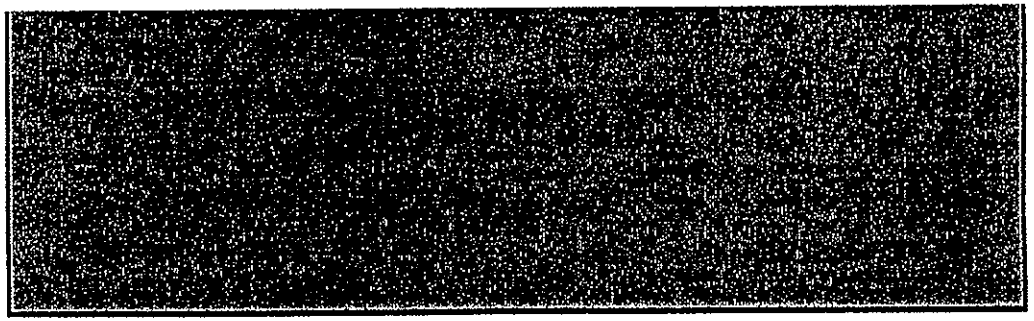
Reporting Notes:

Analyzed by: Steven P. Grise _____; Date Analyzed: 11/23/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By:_____

Relinquished by:	Greg Mersch	Date/Time:	11/17/04
Received by:	Angela Magnetti	Date/Time:	11/18/04 945
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	



Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Phone: (413) 525-1198

Fax: (413) 525-8227

Ameri Sci Emergency Pagers

(781) 317-1522

(781) 649-2873

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WEYMOUTH, MA 02189

(781) 337-9334 FAX (781) 337-7642

Results to: Sandy Fabian	Project Name: GE Bldgs 107-115	Analysis Type: PLM & TEM
Verbal Results: Yes No	Project Address: GE Pittsfield	Positive Stop: Yes (No)
Cell or Pager #:	Project Manager: ~~Adam Lacko~~ DeWissman	Turnaround Time: 5 Days
Site Fax:	Project Number: TBA	Fax Copy by:
Additional Fax:	Sampled by: Greg Mersch Date: 11/15/04	Return Samples: Yes No
	Special Instructions or Comments: BLDG 113	

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	113-01A	Room 113-01	Pipe fitting debris on wall	1
	113-02A	Rm 113-01	Thermal magnesia pipe insulation	2
	113-03A	Rm 113-01	Duct seam sealant	3
	113-04A	Rm 113-01	End ~~Elbow~~ Coat on fg pipe insulation	4

BUILDING 113

LABORATORY REPORTS/CHAIN-OF-CUSTODY (TEM)

BUILDING 113

NO TEM SAMPLING REQUIRED

ATTACHMENT I

SUMMARY OF ASBESTOS RESULTS

(BUILDING 114)

BUILDING 114

SUMMARY OF POSITIVE ASBESTOS-CONTAINING MATERIALS

BUILDING 114 SUMMARY OF ASBESTOS-CONTAINING MATERIALS			
LOCATION	**MATERIAL**	**QUANTITY**	**NOTES**
#114-1-03	Fire Door	1 EA	
#114-1-05	Black Mastic On 12x12 Floor Tiles	192 SF	
#114-1-06	Black Mastic On 12x12 Floor Tiles	216 SF	
#114-1-07	Old Light Fixture Gaskets	32 EA	
#114-1-07	Pipe Gaskets And Valve Packings	75 EA	
#114-1-08	Old Light Fixture Gaskets	10 EA	
#114-1-08	Pipe Gaskets And Valve Packings	80 EA	
#114-1-09	Black Mastic On 12x12 Floor Tiles	200 SF	
#114-1-09	Window Glazing And Caulking	1 EA	
#114-1-10 & Stairs	Gaskets On Shelves	20 EA	
#114-1-11	12x12 Tan And Red Floor Tiles	480 SF	
#114-1-11	Transite Lined Lab Fume Hood	1 EA	
#114-1-12	12x12 Tan And Red Floor Tiles	60 SF	
#114-1-13	12x12 Tan And Red Floor Tiles	200 SF	Black mastic also
#114-1-13	Electrical Boxes	1 EA	Includes wire, transite, switches, etc.
#114-1-13	Window Glazing And Caulking	1 EA	
#114-1-14	Black Mastic Under Ceramic Floor Tiles	120 SF	
#114-1-16	Old Light Fixture Gaskets	7 EA	
#114-1-17	Electrical Boxes	12 EA	Includes wire, transite, switches, etc.
#114-1-17	Pipe Gaskets And Valve Packings	12 EA	

BUILDING 114 SUMMARY OF ASBESTOS-CONTAINING MATERIALS			
LOCATION	**MATERIAL**	**QUANTITY**	**NOTES**
#114-1-18	Electrical Boxes	3 EA	Includes wire, transite, switches, etc.
#114-1-19	Electrical Boxes	1 EA	Includes wire, transite, switches, etc.
#114-2-02	Black Mastic On 12x12 Floor Tiles	744 SF	
#114-2-02	Transite Lined Lab Fume Hood	2 EA	
#114-2-02	Mastic On Exterior Wall	31 SF	
#114-2-03	Black Mastic On 12x12 Floor Tiles	950 SF	
#114-2-03	Transite Lined Lab Fume Hood	4 EA	
#114-2-04	Black Mastic On 12x12 Floor Tiles	270 SF	
#114-2-05	Electrical Boxes	19 EA	Includes wire, transite, switches, etc.
#114-2-06	Old Light Fixture Gaskets	45 EA	
#114-2-06	Pipe Gaskets And Valve Packings	40 EA	
#114-2-07	Joint Compound	280 SF	Includes sheetrock
#114-2-07	Black Mastic On 12x12 Floor Tiles	48 SF	
#114-2-08	12x12 Tan And Red Floor Tiles	235 SF	Black mastic also
#114-2-08	Joint Compound	900 SF	Includes sheetrock
#114-2-08	Electrical Boxes	7 EA	Includes wire, transite, switches, etc.
#114-2-09	Black Mastic On 12x12 Floor Tiles	160 SF	12x12 tiles positive also
#114-2-09	Joint Compound	200 SF	Includes sheetrock
#114-2-09	Electrical Boxes	17 EA	Includes wire, transite, switches, etc.
#114-2-10	Joint Compound	400 SF	Includes sheetrock
#114-2-10	12x12 Floor Tiles	96 SF	Yellow mastic
#114-2-11	12x12 Tan And Red Floor Tiles	96 SF	Yellow mastic

BUILDING 114 SUMMARY OF ASBESTOS-CONTAINING MATERIALS			
LOCATION	**MATERIAL**	**QUANTITY**	**NOTES**
#114-2-11	Joint Compound	400 SF	Includes sheetrock
#114-2-12	Joint Compound	400 SF	Includes sheetrock
#114-2-12	12x12 Tan And Red Floor Tiles	96 SF	Yellow mastic
#114-2-13	Joint Compound	352 SF	Includes sheetrock
#114-2-13	Joint Compound	96 SF	Includes sheetrock
#114-2-13	12x12 Tan And Red Floor Tiles	96 SF	Yellow mastic
#114-2-14	Joint Compound	540 SF	Includes sheetrock
#114-2-14	Joint Compound	540 SF	Includes sheetrock
#114-2-14	12x12 Tan And Red Floor Tiles	176 SF	Yellow mastic
#114-3-02	Black Mastic On 12x12 Floor Tiles	780 SF	
#114-3-03	Black Mastic On 12x12 Floor Tiles	989 SF	
#114-3-04	Black Mastic On 12x12 Floor Tiles	210 SF	
#114-3-05	Electrical Boxes	20 EA	Includes wire, transite, switches, etc.
#114-3-06	Electrical Boxes	1 EA	Includes wire, transite, switches, etc.
#114-3-06	Old Light Fixture Gaskets	30 EA	
#114 Exterior Walls	HVAC Duct Coating	100 SF	
#114 Exterior Walls	Window Glazing And Caulking	35 EA	
#114 Exterior Walls	Pipe Penetration Putty	1 EA	
#114 Exterior Walls	Red Duct Seam Sealant	35 EA	

Asbestos & Lead Inspection Report
GE Advanced Materials
Site No. 1 Demolition Project
Pittsfield, Massachusetts

December 29, 2004

BUILDING 114

SUMMARY OF NEGATIVE ASBESTOS-CONTAINING MATERIALS

BUILDING 114 SUMMARY OF NEGATIVE ASBESTOS-CONTAINING MATERIALS	
LOCATION	**MATERIAL**
Bldg 114	Blue rubber floor tiles
Bldg 114	Tan and yellow mastics on floor tiles
Bldg 114	Cove base and mastics
Bldg 114	Suspended ceiling tiles
Bldg 114	Sheetrock (except 114-2-13, 114-2-14)
Bldg 114	Wall panel mastics
Bldg 114	Metal wall panels with sheetrock inside
Bldg 114	Thermal System Insulation - all pipe insulations
Bldg 114	Spray-on fireproofing
Bldg 114	Interior and exterior paints
Bldg 114	HVAC flex connectors
Bldg 114	HVAC insulation pin adhesives
Bldg 114	Interior duct seam sealants
Bldg 114	Black lab counter tops
Bldg 114	Door frame caulkings
#114-1-13	Sink undercoating
Bldg 114	Ceramic floor and wall tile grout and adhesives
Bldg 114	Blue stair treads and mastic
Liquid Storage Tank by Building 51	Tar coating under foam insulation

BUILDING 114

LABORATORY REPORTS/CHAIN-OF-CUSTODY (PLM)

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/02/04
Date Examined 12/07/04

AmeriSci Job No.504121066
P.O. # 05-81-0015
Page 1 **of** 20

RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-01A 01A	504121066-01 **Location:** GE Bldg. #114 - Rm. 114-1-02	*No*	NAD

Description: Brown/Off-White, Heterogeneous. Sheetrock
Asbestos Types:
Other Material: Cellulose 5. %, Fibrous glass 5. %, Non-fibrous 90. %

Bldg.-114-02A 02A	504121066-02 **Location:** GE Bldg. #114 - Rm. 114-1-02	*No*	NAD

Description: White, Heterogeneous, Joint Compound
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-02B 02B	504121066-03 **Location:** GE Bldg. #114 - Rm. 114-1-03	*No*	NAD

Description: White, Heterogeneous, Joint Compound
Asbestos Types:
Other Material: Non-fibroue 100. %

Bldg.-114-03A 03A	504121066-04 **Location:** GE Bldg. #114 - Rm. 114-1-04	*No*	NAD

Description: Brown/Off-White, Heterogeneous, 2'x2' CT
Asbestos Types:
Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %

Bldg.-114-04A 04A	504121066-05 **Location:** GE Bldg. #114 - Rm. 114-1-02	*No*	NAD

Description: Blue, Homogeneous, Covebase (Blue)
Asbestos Types:
Other Material: Non-fibrous 100. %

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-04AM 04A	504121066-06	*No*	NAD

Location: GE Bldg. #114 - Rm. 114-1-04
Description: Yellow, Homogeneous, Covebase (Blue) Mastic (Yell)
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-05A 05A	504121066-07	*No*	NAD

Location: GE Bldg. #114 - Rm. 114-1-04
Description: Blue, Homogeneous, Rubber FT (Blue)
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-05AM 05A	504121066-08	*No*	NAD

Location: GE Bldg. #114 - Rm. 114-1-04
Description: Yellow, Homogeneous, Rubber FT (Blue) Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-01B 01B	504121066-09	*No*	NAD

Location: GE Bldg. #114 - Rm. 114-1-04
Description: Brown/Off-White, Heterogeneous, Sheetrock
Asbestos Types:
Other Material: Cellulose 5. %, Fibrous glass 5. %, Non-fibrous 90. %

Bldg.-114-01C 01C	504121066-10	*No*	NAD

Location: GE Bldg. #114 - Rm. 114-1-20
Description: Brown/Off-White, Heterogeneous, Sheetrock
Asbestos Types:
Other Material: Cellulose 5. %, Fibrous glass 5. %, Non-fibrous 90. %

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AmeriSci Job No.504121066
P.O. # 05-81-0015
Page 3 **of** 20

RE 81.0398.0042: G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-03B 03B	504121066-11 **Location:** GE Bldg. #114 - Rm. 114-1-MS-1	*No*	NAD

Description: Off-White, Heterogeneous, Ceiling Tile
Asbestos Types:
Other Material: Cellulose 5. %, Fibrous glass 70. %, Non-fibrous 25. %

Bldg.-114-02C 02C	504121066-12 **Location:** GE Bldg. #114 - Rm. 114-1-05	*No*	NAD

Description: White, Heterogeneous, Joint Compound
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-06A 06A	504121066-13 **Location:** GE Bldg. #114 - Rm. 114-1-05	*No*	NAD

Description: Black, Homogeneous, Covebase (Black)
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-06AM 06A	504121066-14 **Location:** GE Bldg. #114 - Rm. 114-1-05	*No*	NAD

Description: Yellow, Homogeneous, Covebase (Black) Mastic (Tan)
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-07A 07A	504121066-15 **Location:** GE Bldg. #114 - Rm. 114-1-06	*No*	NAD

Description: Black, Homogeneous, Mastic (Black)
Asbestos Types:
Other Material: Non-fibrous 100. %

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-07AS 07A	504121066-16	*No*	NAD

Location: GE Bldg. #114 - Rm. 114-1-06
Description: Brown/Off-White, Heterogeneous, Sheetrock
Asbestos Types:
Other Material: Cellulose 5. %, Fibrous glass 5. %, Non-fibrous 90. %

Bldg.-114-04B 04B	504121066-17	*No*	NAD

Location: GE Bldg. #114 - Rm. 114-1-04
Description: Blue, Homogeneous, Covebase (Blue)
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-04BM 04B	504121066-18	*No*	NAD

Location: GE Bldg. #114 - Rm. 114-1-04
Description: Yellow, Homogeneous, Covebase (Blue) Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-09A 09A	504121066-19	*No*	NAD

Location: GE Bldg. #114 - Rm. 114-1-06
Description: Brown/Off-White, Heterogeneous, 2'x4' CT
Asbestos Types:
Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %

Bldg.-114-10A 10A	504121066-20	*No*	NAD

Location: GE Bldg. #114 - Rm. 114-1-06
Description: Black/Off-White, Homogeneous, 12"x12" FT
Asbestos Types:
Other Material: Non-fibrous 100. %

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-11A 11	504121066-21 **Location:** GE Bldg. #114 - Rm. 114-1-06	*No*	NAD
	Description: Black, Homogeneous, 12"x12" FT Mastic (Black) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-10B 10	504121066-22 **Location:** GE Bldg. #114 - Rm. 114-1-05	*No*	NAD
	Description: Off-White, Homogeneous, 12"x12" FT **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-11B 11	504121066-23 **Location:** GE Bldg. #114 - Rm. 114-1-05	*No*	NAD
	Description: Black, Homogeneous, 12"x12" FT Mastic (Black) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-06B 6	504121066-24 **Location:** GE Bldg. #114 - Rm. 114-1-05	*No*	NAD
	Description: Black, Homogeneous, Covebase (Blk) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-06BM 6	504121066-25 **Location:** GE Bldg. #114 - Rm. 114-1-05	*No*	NAD
	Description: Tan, Homogeneous, Covebase (Blk) Mastic (Tan) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-05B 5	504121066-26	*No*	NAD

Location: GE Bldg. #114 - Rm. 114-01-03
Description: Blue, Homogeneous, Rubber FT (Blue)
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-05BM	504121066-27	*No*	NAD

Location: GE Bldg. #114 - Rm. 114-1-03
Description: Yellow, Homogeneous, Rubber FT (Blue) Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-09B 9	504121066-28	*No*	NAD

Location: GE Bldg. #114 - Rm. 114-1-01
Description: Brown/Off-White, Heterogeneous, 2'x4' CT
Asbestos Types:
Other Material: Cellulose 35. %. Fibrous glass 35. %, Non-fibrous 30. %

Bldg.-114-12A 12A	504121066-29	*No*	NAD

Location: GE Bldg. #114 - Rm. 114-1-07
Description: Clear, Homogeneous, Pin Adhesive-HVAC Insulation
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-13A 13A	504121066-30	*No*	NAD

Location: GE Bldg. #114 - Rm. 114-1-07
Description: Brown/Off-White, Homogeneous, TSI Fitting Insulation
Asbestos Types:
Other Material: Cellulose 15. %, Fibrous glass 15. %, Non-fibrous 70. %

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-13B 13B	504121066-31 **Location:** GE Bldg. #114 - Rm. 114-1-08	*No*	NAD
	Description: Off-White, Homogeneous, TSI Fitting Insulation **Asbestos Types:** **Other Material:** Fibrous glass 15. %, Non-fibrous 85. %		
Bldg.-114-13C 13C	504121066-32 **Location:** GE Bldg. #114 - Rm. 114-1-08	*No*	NAD
	Description: Beige, Homogeneous, TSI Fitting Insulation **Asbestos Types:** **Other Material:** Fibrous glass 20. %, Non-fibrous 80. %		
Bldg.-114-14A 14A	504121066-33 **Location:** GE Bldg. #114 - Rm. 114-1-07	*No*	NAD
	Description: Brown, Homogeneous, Spray-On **Asbestos Types:** **Other Material:** Fibrous glass 45. %, Non-fibrous 55. %		
Bldg.-114-14B 14B	504121066-34 **Location:** GE Bldg. #114 - Rm. 114-1-07	*No*	NAD
	Description: Brown, Homogeneous, Spray-On **Asbestos Types:** **Other Material:** Fibrous glass 45. %, Non-fibrous 55. %		
Bldg.-114-14C 14C	504121066-35 **Location:** GE Bldg. #114 - Rm. 114-1-07	*No*	NAD
	Description: Brown, Homogeneous, Spray-On **Asbestos Types:** **Other Material:** Fibrous glass 45. %, Non-fibrous 55. %		

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-15A 15A	504121066-36 **Location:** GE Bldg. #114 - Rm. 114-1-07	*No*	NAD
	Description: Grey, Homogeneous, Duct Sealant **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-15B 5B	504121066-37 **Location:** GE Bldg. #114 - Rm. 114-1-07	*No*	NAD
	Description: Grey, Homogeneous, Duct Sealant **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-16A 16A	504121066-38 **Location:** GE Bldg. #114 - Rm. 114-1-07	*No*	NAD
	Description: Black, Homogeneous, Flex Connector **Asbestos Types:** **Other Material:** Synthetic fibers 15. %, Non-fibrous 85. %		
Bldg.-114-14D 14D	504121066-39 **Location:** GE Bldg. #114 - Rm. 114-2-06	*No*	NAD
	Description: Off-White, Homogeneous, Spray-On **Asbestos Types:** **Other Material:** Fibrous glass 25. %, Non-fibrous 75. %		
Bldg.-114-14E 14E	504121066-40 **Location:** GE Bldg. #114 - Rm. 114-2-06	*No*	NAD
	Description: Off-White, Homogeneous, Spray-On **Asbestos Types:** **Other Material:** Fibrous glass 25. %, Non-fibrous 75. %		

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39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/02/04
Date Examined 12/07/04

AmeriSci Job No.504121066
P.O. # 05-81-0015

RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-14F 14F	504121066-41 **Location:** GE Bldg. #114 - Rm. 114-2-06	*No*	NAD
	Description: Off-White, Homogeneous, Spray-On **Asbestos Types:** **Other Material:** Fibrous glass 25. %, Non-fibrous 75. %		
Bldg.-114-14G 14G	504121066-42 **Location:** GE Bldg. #114 - Rm. 114-3-06	*No*	NAD
	Description: Off-White, Homogeneous, Spray-On **Asbestos Types:** **Other Material:** Fibrous glass 25. %. Non-fibrous 75. %		
Bldg.-114-14H 14H	504121066-43 **Location:** GE Bldg. #114 - Rm. 114-3-06	*No*	NAD
	Description: Off-White, Homogeneous, Spray-On **Asbestos Types:** **Other Material:** Fibrous glass 25. %, Non-fibrous 75. %		
Bldg.-114-14I 14I	504121066-44 **Location:** GE Bldg. #114 - Rm. 114-3-06	*No*	NAD
	Description: Off-White, Homogeneous, Spray-On **Asbestos Types:** **Other Material:** Fibrous glass 25. %, Non-fibrous 75. %		
Bldg.-114-17A 17A	504121066-45 **Location:** GE Bldg. #114 - Rm. 114-3-06	*No*	NAD
	Description: White, Homogeneous, Thermal MAG - Pipe **Asbestos Types:** **Other Material:** Fibrous glass 10. %, Synthetic fibers 10. %, Non-fibrous 80. %		

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-17B 17B	504121066-46 **Location:** GE Bldg. #114 - Rm. 114-3-06	*No*	NAD
	Description: White, Homogeneous, Thermal MAG - Pipe **Asbestos Types:** **Other Material:** Fibrous glass 10. %, Synthetic fibers 10. %, Non-fibrous 80. %		
Bldg.-114-17C 17C	504121066-47 **Location:** GE Bldg. #114 - Rm. 114-3-06	*No*	NAD
	Description: White, Homogeneous, Thermal MAG - Pipe **Asbestos Types:** **Other Material:** Fibrous glass 10. %, Synthetic fibers 10. %, Non-fibrous 80. %		
Bldg.-114-18A 18A	504121066-48 **Location:** GE Bldg. #114 - Rm. 114-3-06	*No*	NAD
	Description: Beige, Homogeneous, Thermal MAG - Fittings **Asbestos Types:** **Other Material:** Fibrous glass 25. %, Non-fibrous 75. %		
Bldg.-114-18B 18B	504121066-49 **Location:** GE Bldg. #114 - Rm. 114-3-06	*No*	NAD
	Description: White, Homogeneous, Thermal MAG - Fittings **Asbestos Types:** **Other Material:** Fibrous glass 10. %, Synthetic fibers 10. %, Non-fibrous 80. %		
Bldg.-114-18C 18C	504121066-50 **Location:** GE Bldg. #114 - Rm. 114-3-06	*No*	NAD
	Description: Beige, Homogeneous, Thermal MAG - Fittings **Asbestos Types:** **Other Material:** Fibrous glass 25. %, Non-fibrous 75. %		

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-19A 19A	504121066-51 **Location:** GE Bldg. #114 - Rm. 114-3-06	*No*	NAD

Description: Brown, Homogeneous, Duct Sealant (Black)
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-18D 3D	504121066-52 **Location:** GE Bldg. #114 - Rm. 114-2-06	*No*	NAD

Description: Off-White, Homogeneous, Thermal MAG Fitting
Asbestos Types:
Other Material: Cellulose 30. %, Non-fibrous 70. %

Bldg.-114-18E 18E	504121066-53 **Location:** GE Bldg. #114 - Rm. 114-2-06	*No*	NAD

Description: Off-White, Homogeneous, Thermal MAG Fitting
Asbestos Types:
Other Material: Cellulose 30. %, Non-fibrous 70. %

Bldg.-114-12B 12B	504121066-54 **Location:** GE Bldg. #114 - Rm. 114-2-06	*No*	NAD

Description: Clear, Homogeneous, Pin Adhesive-HVAC Insulation
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-05B 05B	504121066-55 **Location:** GE Bldg. #114 - Rm. 114-2-01	*No*	NAD

Description: Blue, Homogeneous, Rubber FT (Blue)
Asbestos Types:
Other Material: Non-fibrous 100. %

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-05BM 05B	504121066-56 **Location:** GE Bldg. #114 - Rm. 114-2-01	*No*	NAD

Description: Brown, Homogeneous, Rubber FT (Blue) Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-04C 04C	504121066-57 **Location:** GE Bldg. #114 - Rm. 114-2-01	*No*	NAD

Description: Blue, Homogeneous, Covebase (Blue)
Asbestos Types:
Other Material: Non-fibroue 100. %

Bldg.-114-04CM 04C	504121066-58 **Location:** GE Bldg. #114 - Rm. 114-2-01	*No*	NAD

Description: Yellow, Homogeneoue, Covebase (Blue) Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-19A 19A	504121066-59 **Location:** GE Bldg. #114 - Rm. 114-2-02	*No*	NAD

Description: Brown, Homogeneous, Covebase (Brown)
Asbestos Types:
Other Material: Non-fibrous 100. %

Bldg.-114-19AM 19A	504121066-60 **Location:** GE Bldg. #114 - Rm. 114-2-02	*No*	NAD

Description: Yellow, Homogeneous, Covebase (Brown) Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-19B 19B	504121066-61 **Location:** GE Bldg. #114 - Rm. 114-2-04	*No*	NAD
	Description: Brown, Homogeneous, Covebase (Brown) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-19BM 19B	504121066-62 **Location:** GE Bldg. #114 - Rm. 114-2-04	*No*	NAD
	Description: Yellow, Homogeneous, Covebase (Brown) Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-10C 10C	504121066-63 **Location:** GE Bldg. #114 - Rm. 114-2-03	*No*	NAD
	Description: Off-White, Homogeneous, 12"x12" FT **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-11C 11C	504121066-64 **Location:** GE Bldg. #114 - Rm. 114-2-03	*No*	NAD
	Description: Black, Homogeneous, Mastic (Blk) On 12x12 FT **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-15C 15C	504121066-65 **Location:** GE Bldg. #114 - Rm. 114-2-02	*No*	NAD
	Description: Grey, Homogeneous, Duct Sealant (Grey) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-20A 20A	504121066-66 **Location:** GE Bldg. #114 - Rm. 114-2-02	*No*	NAD
	Description: Brown/Off-White, Heterogeneous, Sheetrock **Asbestos Types:** **Other Material:** Fibrous glass 10. %, Non-fibrous 90. %		
Bldg.-114-20B 20B	504121066-67 **Location:** GE Bldg. #114 - Rm. 114-2-04	*No*	NAD
	Description: Brown/Off-White, Heterogeneous, Sheetrock **Asbestos Types:** **Other Material:** Fibrous glass 10. %. Non-fibrous 90. %		
Bldg.-114-21A 21A	504121066-68 **Location:** GE Bldg. #114 - Rm. 114-2-02	*No*	NAD
	Description: White, Heterogeneous, Joint Compound **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-21B 21B	504121066-69 **Location:** GE Bldg. #114 - Rm. 114-2-04	*No*	NAD
	Description: White, Heterogeneous, Joint Compound **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-10D 10D	504121066-70 **Location:** GE Bldg. #114 - Rm. 114-2-04	*No*	NAD
	Description: Off-White, Homogeneous, 12"x12" FT **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-11D 11D	504121066-71 **Location:** GE Bldg. #114 - Rm. 114-2-04	*No*	NAD
	Description: Black, Homogeneous, Mastic (Blk) On 12x12 FT **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-09B 09B	504121066-72 **Location:** GE Bldg. #114 - Rm. 114-2-04	*No*	NAD
	Description: Brown/Off-White, Heterogeneous, 2'x4' CT **Asbestos Types:** **Other Material:** Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %		
Bldg.-114-03B 03B	504121066-73 **Location:** GE Bldg. #114 - Rm. 114-2-01	*No*	NAD
	Description: Brown/Off-White, Heterogeneous, 2'x2' CT **Asbestos Types:** **Other Material:** Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %		
Bldg.-114-15D 15D	504121066-74 **Location:** GE Bldg. #114 - Rm. 114-2-03	*No*	NAD
	Description: Grey, Homogeneous, Duct Sealant (Grey) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-22A 22A	504121066-75 **Location:** GE Bldg. #114 - Rm. 114-2-03	*No*	NAD
	Description: Black, Homogeneous, Lab Counter Top (Black) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-23A 23A	504121066-76 **Location:** GE Bldg. #114 - Rm. 114-2-03	*No*	NAD
	Description: Grey, Homogeneous, Lab Counter Interior (Grey) **Asbestos Types:** **Other Material:** Fibrous Talc Trace, Cellulose 5. %, Non-fibrous 95. %		
Bldg.-114-24A 24A	504121066-77 **Location:** GE Bldg. #114 - Rm. 114-2-08	*Yes*	2 %
	Description: Beige, Homogeneous, 12"x12" FT (Tan/Red) **Asbestos Types:** Chrysotile 2. % **Other Material:** Non-fibrous 98. %		
Bldg.-114-25A 25A	504121066-78 **Location:** GE Bldg. #114 - Rm. 114-2-08	*No*	NAD
	Description: Yellow, Homogeneous, 12"x12" FT Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-26A 26A	504121066-79 **Location:** GE Bldg. #114 - Rm. 114-2-14	*No*	NAD
	Description: Brown, Homogeneous, Covebase (Brown) **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-26AM 26A	504121066-80 **Location:** GE Bldg. #114 - Rm. 114-2-14	*No*	NAD
	Description: Brown, Homogeneous, Covebase (Brown) Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-27A 27A	504121066-81 **Location:** GE Bldg. #114 - Rm. 114-2-14	*No*	NAD

Description: Brown/Off-White, Heterogeneous, Sheetrock
Asbestos Types:
Other Material: Cellulose 10. %. Non-fibrous 90. %

Bldg.-114-28A 28A	504121066-82 **Location:** GE Bldg. #114 - Rm. 114-2-14	*Yes*	3 %

Description: Off-White, Heterogeneous, Joint Compound
Asbestos Types: Chrysotile 3. %
Other Material: Non-fibrous 97. %

Bldg.-114-29A 29A	504121066-83 **Location:** GE Bldg. #114 - Rm. 114-2-14	*No*	NAD

Description: Brown/Off-White, Heterogeneous, 2'x4' CT
Asbestos Types:
Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %

Bldg.-114-24B 24B	504121066-84 **Location:** GE Bldg. #114 - Rm. 114-2-13	*Yes*	2 %

Description: Off-White, Homogeneous, 12"x12" FT (Tan/Red)
Asbestos Types: Chrysotile 2. %
Other Material: Non-fibrous 98. %

Bldg.-114-25B 25B	504121066-85 **Location:** GE Bldg. #114 - Rm. 114-2-13	*No*	NAD

Description: Yellow, Homogeneous, 12"x12" FT (Tan/Red) Mastic
Asbestos Types:
Other Material: Non-fibrous 100. %

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-26B 26B	504121066-86 **Location:** GE Bldg. #114 - Rm. 114-2-08	*No*	NAD
	Description: Brown, Homogeneous, Covebase **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-26BM 26B	504121066-87 **Location:** GE Bldg. #114 - Rm. 114-2-08	*No*	NAD
	Description: Brown, Homogeneous, Covebase Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-28B 28B	504121066-88 **Location:** GE Bldg. #114 - Rm. 114-2-11	*No*	NAD
	Description: White, Heterogeneous, Joint Compound **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
Bldg.-114-29B 29B	504121066-89 **Location:** GE Bldg. #114 - Rm. 114-2-12	*No*	NAD
	Description: Brown/Off-White, Heterogeneous, 2'x4' CT **Asbestos Types:** **Other Material:** Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %		
Bldg.-114-27B 27B	504121066-90 **Location:** GE Bldg. #114 - Rm. 114-2-11	*No*	NAD
	Description: Brown/Off-White, Heterogeneous, Sheetrock **Asbestos Types:** **Other Material:** Cellulose 10. %, Non-fibrous 90. %		

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
Bldg.-114-30A 30	504121066-91 **Location:** GE Bldg. #114 - Rm. 114-2-08	*Yes*	2 %

Description: Off-White, Homogeneous, 12"x12" FT (Tan/Black)
Asbestos Types: Chrysotile 2. %
Other Material: Non-fibrous 98. %

Bldg.-114-31A 1	504121066-92 **Location:** GE Bldg. #114 - Rm. 114-2-08	*Yes*	10 %

Description: Black, Homogeneous, 12"x12" FT (Tan/Black) Mastic
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

Bldg.-114-30B 30	504121066-93 **Location:** GE Bldg. #114 - Rm. 114-2-08	*Yes*	2 %

Description: Off-White, Homogeneous, 12"x12" FT (Tan/Black)
Asbestos Types: Chrysotile 2. %
Other Material: Non-fibrous 98. %

Bldg.-114-31B 31	504121066-94 **Location:** GE Bldg. #114 - Rm. 114-2-08	*Yes*	10 %

Description: Black, Homogeneous, 12"x12" FT (Tan/Black) Mastic
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

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RE 81.0398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115

Reporting Notes:

Analyzed by: Matthew J. Perry ; Date Analyzed: 12/8/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By:

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PLM Bulk Asbestos Report

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RE 81.01398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #114

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
114-32A 32	504121071-01 **Location:** 114-3-01 Hallway	*No*	NAD
	Description: Blue, Homogeneous, Blue rubber floor tile **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
114-32-A 32	504121071-02 **Location:** 114-3-01 Hallway	*No*	NAD
	Description: Brown, Homogeneous, Brown Mastic assoc. w/114-3-01 **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
114-15E 15	504121071-03 **Location:** 114-3-03	*No*	NAD
	Description: Grey, Homogeneous, Gray duct seam sealant **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
114-33A 33	504121071-04 **Location:** 114-3-03	*No*	NAD
	Description: Brown, Homogeneous, Brown cove base **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
114-33A 33	504121071-05 **Location:** 114-3-03	*No*	NAD
	Description: Yellow, Homogeneous, Yellow mastic assoc. w/114-33A **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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RE 81.01398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #114

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
114-33B 33	504121071-06 **Location:** 114-3-02	*No*	NAD

Description: Brown, Homogeneous, Brown cove base
Asbestos Types:
Other Material: Non-fibrous 100. %

114-33B 3	504121071-07 **Location:** 114-3-02	*No*	NAD

Description: Yellow, Homogeneous, Yellow mastic assoc. w/114-33B
Asbestos Types:
Other Material: Non-fibrous 100. %

114-34A 34	504121071-08 **Location:** 114-3-02	*No*	NAD

Description: Brown/Off-White, Heterogeneous, 2x4 suspended ceilig tile
Asbestos Types:
Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %

114-34B 34	504121071-09 **Location:** 114-3-04	*No*	NAD

Description: Brown/Off-White, Heterogeneous, 2x4 suspended ceilig tile
Asbestos Types:
Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %

114-10E 10	504121071-10 **Location:** 114-3-03	*No*	NAD

Description: Off-White, Homogeneous, 12x12 Floor tile
Asbestos Types:
Other Material: Non-fibrous 100. %

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 12/03/04
Date Examined 12/08/04

AmeriSci Job No.504121071
P.O. # 05-81-0015

RE 81.01398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #114

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
114-11E 11	504121071-11 **Location:** 114-3-03	*No*	NAD

Description: Black, Homogeneous, Black mastic on 12x12
Asbestos Types:
Other Material: Non-fibrous 100. %

114-35A 35	504121071-12 **Location:** 114-3-06	*No*	NAD

Description: Beige, Homogeneous, Brown duct seam sealant
Asbestos Types:
Other Material: Non-fibrous 100. %

114-36A 36	504121071-13 **Location:** 114-3-06	*No*	NAD

Description: Black, Homogeneous, Flex connector
Asbestos Types:
Other Material: Synthetic fibers 25. %, Non-fibrous 75. %

114-37A 37	504121071-14 **Location:** 114-3-02	*No*	NAD

Description: Brown/Off-White, Heterogeneous, Sheetrock
Asbestos Types:
Other Material: Cellulose 10. %, Non-fibrous 90. %

14-38A 38	504121071-15 **Location:** 114-3-02	*No*	NAD

Description: White, Homogeneous, Joint compound
Asbestos Types:
Other Material: Non-fibrous 100. %

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RE 81.01398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #114

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
114-03C 3	504121071-16 **Location:** Rm 114-3-01 Hallway	*No*	NAD
	Description: Brown/Off-White, Heterogeneous, 2x2 Suspended ceiling tile **Asbestos Types:** **Other Material:** Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %		
14-39A	504121071-17 **Location:** Rm 114-1-09	*No*	NAD
	Description: Beige, Homogeneous, 12x12 Floor tile **Asbestos Types:** **Other Material:** Non-fibroue 100. %		
114-40A 40	504121071-18 **Location:** Rm 114-1-09	*No*	NAD
	Description: Black, Homogeneous, Black mastic assoc. w/12x12 FT **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
114-41A 41	504121071-19 **Location:** Rm 114-1-09	*No*	NAD
	Description: Brown, Homogeneous, Brown covebase **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
114-41A 41	504121071-20 **Location:** Rm 114-1-09	*No*	NAD
	Description: Yellow, Homogeneous, Yellow mastic assoc. w/114-41A **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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RE 81.01398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #114

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
114-42A 42	504121071-21 **Location:** Rm 114-1-09	*No*	NAD
	Description: Black, Homogeneous, Counter top panel **Asbestos Types:** **Other Material:** Cellulose 35. %, Non-fibrous 65. %		
114-42A 42	504121071-22 **Location:** Rm 114-1-09	*No*	NAD
	Description: Brown, Homogeneous, Adhesive assoc. w/ 114-42A **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
114-43A 43	504121071-23 **Location:** Rm 114-1-09	*No*	NAD
	Description: White, Heterogeneous, Joint compound **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
114-44A 44	504121071-24 **Location:** Rm 114-1-09	*No*	NAD
	Description: Off-White, Heterogeneous, Wall paint **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
114-45A 45	504121071-25 **Location:** Rm 114-1-09	*Yes*	5 %
	Description: Grey, Homogeneous, Window glazing **Asbestos Types:** Chrysotile 5. % **Other Material:** Non-fibrous 95. %		

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RE 81.01398.0042: G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #114

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
114-46A 46	504121071-26 **Location:** Rm 114-1-09	*No*	NAD
	Description: Off-White, Homogeneous, Door frame caulking **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
114-47A 47	504121071-27 **Location:** 114-1-13	*No*	NAD
	Description: Brown/Off-White, Heterogeneous, 2x4 Suspended ceiling tile **Asbestos Types:** **Other Material:** Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %		
114-48A 48	504121071-28 **Location:** Rm 114-1-13	*No*	NAD
	Description: Brown, Homogeneous, Sink countertop linoleum **Asbestos Types:** **Other Material:** Cellulose 35. %. Non-fibrous 65. %		
114-49A 49	504121071-29 **Location:** Rm 114-1-15	*No*	NAD
	Description: Grey, Homogeneous, Cementitious, Ceramic wall tile grout **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
114-50A 50	504121071-30 **Location:** Rm 114-1-15	*No*	NAD
	Description: Brown, Homogeneous, Ceramic wall tile adhesive **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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RE 81.01398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #114

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
114-51A 51	504121071-31 **Location:** Rm 114-1-14	*No*	NAD

Description: Grey, Homogeneous, Cementitious, Ceramic floor tile grout, gray
Asbestos Types:
Other Material: Non-fibrous 100. %

114-52A 52	504121071-32 **Location:** Rm 114-1-14	*Yes*	10 %

Description: Black, Homogeneous, Black mastic under ceramic til
Asbestos Types: Chrysotile 10. %
Other Material: Non-fibrous 90. %

114-53A 53	504121071-33 **Location:** Rm 114-1-14	*No*	NAD

Description: Brown/Off-White, Heterogeneous, Brown sheetrock
Asbestos Types:
Other Material: Cellulose 10. %, Non-fibrous 90. %

114-54A 54	504121071-34 **Location:** Rm 114-1-14	*No*	NAD

Description: White, Heterogeneous, Joint compound
Asbestos Types:
Other Material: Non-fibrous 100. %

114EW-01A 1EW	504121071-35 **Location:** Bldg. 114 exterior walls	*No*	NAD

Description: Yellow, Heterogeneous, Yellow wall paint
Asbestos Types:
Other Material: Non-fibrous 100. %

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RE 81.01398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #114

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
114EW-01B 1EW	504121071-36 **Location:** Bldg. 114 exterior walls	*No*	NAD
	Description: Yellow, Heterogeneous, Yellow wall paint **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
114EW-01C 1EW	504121071-37 **Location:** Bldg. 114 exterior walls	*No*	NAD
	Description: Yellow, Heterogeneous, Yellow wall paint **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
114-EW-02A 2EW	504121071-38 **Location:** Bldg. 114 exterior walls	*No*	NAD
	Description: White, Heterogeneous, Exterior door frame caulking **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
114-EW-03A 3EW	504121071-39 **Location:** Bldg. 114 exterior walls	*Yes*	10 %
	Description: Black, Homogeneous, HVAC dust coating **Asbestos Types:** Chrysotile 10. % **Other Material:** Non-fibrous 90. %		
114EW-01D 1EW	504121071-40 **Location:** Bldg. 114 exterior walls	*No*	NAD
	Description: Yellow, Homogeneous, Yellow wall paint **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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RE 81.01398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #114

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
114EW-04A 4EW	504121071-41 **Location:** Bldg. 114 exterior walls	*No*	NAD
	Description: Grey, Homogeneous, Cinderblock wall seam caulking **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
114EW-05A 5EW	504121071-42 **Location:** Bldg. 114 exterior walls	*Yes*	10 %
	Description: Black, Homogeneous, Window glazing **Asbestos Types:** Chrysotile 10. % **Other Material:** Non-fibrous 90. %		
114EW-06A 6EW	504121071-43 **Location:** Bldg. 114 exterior walls	*Yes*	12 %
	Description: Grey, Homogeneous, Pipe penetration putty **Asbestos Types:** Chrysotile 12. % **Other Material:** Non-fibrous 88. %		
114EW-07A 7EW	504121071-44 **Location:** Bldg. 114 exterior walls	*No*	NAD
	Description: Black, Homogeneous, Entry canopy roof flashing **Asbestos Types:** **Other Material:** Non-fibrous 100. %		
LST-01A 1	504121071-45 **Location:** Large storage tank	*No*	NAD
	Description: Black, Homogeneous, Black adhesive on tank w/ ins. **Asbestos Types:** **Other Material:** Non-fibrous 100. %		

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Date Examined 12/08/04

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P.O. # 05-81-0015

RE 81.01398.0042; G.E. Pittsfield; G.E. Bldgs. 107-115, Bldg. #114

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LST-02A	504121071-46	*No*	NAD
2	**Location:** Large storage tank		
	Description: Grey, Homogeneous, Foam insulation, outer coating		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		
LST-03A	504121071-47	*No*	NAD
3	**Location:** Large storage tank		
	Description: Black, Homogeneous, Asphalt base pad		
	Asbestos Types:		
	Other Material: Non-fibrous 100. %		

Reporting Notes:

Analyzed by: Matthew J. Perry ; Date Analyzed: 12/8/04

"NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By:_____

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PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Edward Kolodziej
39 Spruce Street
1st Floor
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Date Received 11/24/04
Date Examined 11/29/04

AmeriSci Job No.504111411
P.O. # 05-81-0015

RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 114 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
114-EXT-01A	504111411-01	*No*	NAD

Location: Roof (On Rubber With Felt Layers Underneath)
Description: Silver/Black, Heterogeneous, Paint (Silver)
Asbestos Types:
Other Material: Cellulose 10. %, Fibrous glass 10. %, Synthetic fibers 10. %, Wollastonite Trace, Non-fibrous 70. %

114-EXT-01B	504111411-02	*No*	NAD

Location: Roof (On Rubber With Felt Layers Underneath)
Description: Silver/Black, Heterogeneous, Paint (Silver)
Asbestos Types:
Other Material: Cellulose 10. %, Fibrous glass 10. %, Synthetic fibers 10. %, Wollastonite Trace, Non-fibrous 70. %

114-EXT-02A	504111411-03	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Tar On Metal Deck
Asbestos Types:
Other Material: Non-fibrous 100. %

114-EXT-03A	504111411-04	*No*	NAD

Location: Roof
Description: Silver/Black, Homogeneous, Seam Caulking On Roof
Asbestos Types:
Other Material: Fibrous glass 5. %, Wollastonite Trace, Non-fibrous 95. %

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PLM Bulk Asbestos Report

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Date Received 11/24/04 **AmeriSci Job No.**504111411
Date Examined 11/29/04 **P.O. #** 05-81-0015

RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 114 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
114-EXT-03B	504111411-05	*No*	NAD

Location: Roof
Description: Silver/Black, Homogeneous, Seam Caulking On Roof
Asbestos Types:
Other Material: Fibrous glass 5. %, Wollastonite Trace, Non-fibrous 95. %

114-EXT-04A	504111411-06	*No*	NAD

Location: Roof
Description: Red, Homogeneous, Duct Sealant (Red)
Asbestos Types:
Other Material: Non-fibrous 100. %

114-EXT-04B	504111411-07	*No*	NAD

Location: Roof
Description: Red, Homogeneous, Duct Sealant (Red)
Asbestos Types:
Other Material: Non-fibrous 100. %

114-EXT-05A	504111411-08	*No*	NAD

Location: Roof
Description: Black, Homogeneous, Door Caulking
Asbestos Types:
Other Material: Non-fibrous 100. %

114-EXT-06A	504111411-09	*No*	NAD

Location: Roof
Description: Silver/Black, Homogeneous, Flashing
Asbestos Types:
Other Material: Non-fibrous 100. %

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RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 114 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
114-EXT-06B	504111411-10	*No*	NAD

Location: Roof
Description: Silver/Black, Homogeneous, Flashing
Asbestos Types:
Other Material: Fibrous glass 10. %, Synthetic fibers 5. %, Non-fibrous 85. %

114-EXT-07A	504111411-11	*Yes*	15 %

Location: Roof
Description: Grey, Homogeneous, Flashing Cement (Grey)
Asbestos Types: Chrysotile 15. %
Other Material: Non-fibrous 85. %

114-EXT-08A	504111411-12	*No*	NAD

Location: Roof
Description: Grey, Homogeneous, Duct Sealant (Grey)
Asbestos Types:
Other Material: Non-fibrous 100. %

114-EXT-08B	504111411-13	*No*	NAD

Location: Roof
Description: Grey, Homogeneous, Duct Sealant (Grey)
Asbestos Types:
Other Material: Non-fibrous 100. %

114-EXT-09A	504111411-14	*No*	NAD

Location: Roof
Description: Grey, Homogeneous, Flex Connector
Asbestos Types:
Other Material: Fibrous glass 80. %, Non-fibrous 20. %

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RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 114 - Exterior

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
114-EXT-10A	504111411-15	*Yes*	7 %

Location: Roof (Support Blocks)

Description: Silver/Black, Homogeneous, Flashing Cement
Asbestos Types: Chrysotile 7. %
Other Material: Wollastonite 3. %, Non-fibrous 90. %

114-EXT-11A	504111411-16	*No*	NAD

Location: Roof (Under Rubber On Metal Roof)

Description: Black, Homogeneous, Flashing Cement
Asbestos Types:
Other Material: Non-fibrous 100. %

114-EXT-12A	504111411-17	*No*	NAD

Location: Roof (Over Metal Deck)

Description: Black, Homogeneous, Adhesive On Rubber Roof
Asbestos Types:
Other Material: Non-fibrous 100. %

114-EXT-13A	504111411-18	*Yes*	5 %

Location: Roof (On Metal Roof)

Description: Black, Homogeneous, Tar On Metal Seam (Black)
Asbestos Types: Chrysotile 5. %
Other Material: Cellulose 15. %, Non-fibrous 80. %

114-EXT-14A	504111411-19	*No*	NAD

Location: Roof

Description: White, Homogeneous, Duct Sealant (White)
Asbestos Types:
Other Material: Non-fibrous 100. %

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RE 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 114 - Exterior

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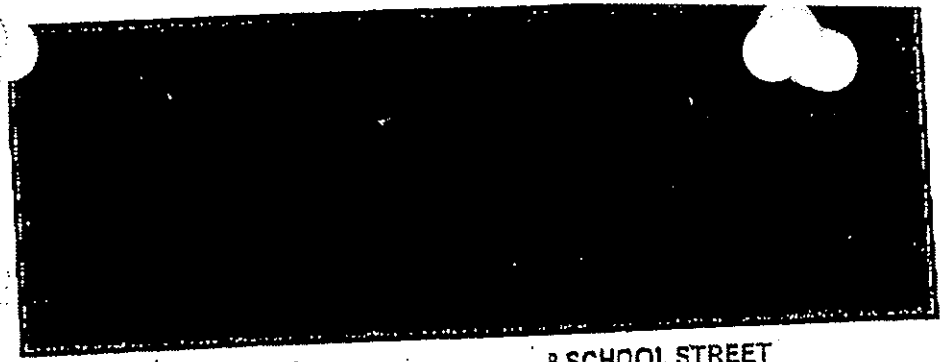
Reporting Notes:

Analyzed by: Steven P. Grise ATPG; Date Analyzed: 11/29/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: JRB



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(781) 649-2873 (781) 337-9334 FAX (781) 337-7642

Relinquished by: Greg Morsch Date/Time: 12/2/04
Received by: Date/Time:
Relinquished by: Date/Time:
Received by: Date/Time:
Relinquished by: Date/Time:
Received by: [illegible] 12/3/04 10:30 Date/Time:

Company Name: ATC Associates, Inc.
Company Address: 39 Spruce Street
City: East Longmeadow State: MA Zip: 01028
[redacted]
Fax: (413) 525-8227
Results to: Sandy Fabian
Verbal Results: Yes No
Cell or Pager #:
Site Fax:
Additional Fax:

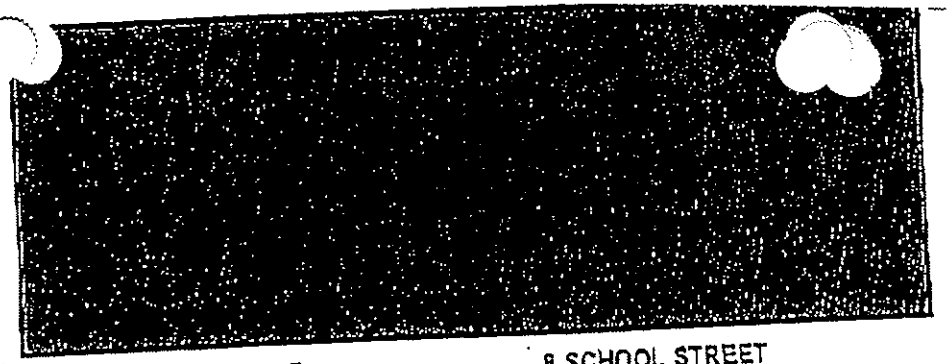
Project Name: GE BLDGS 107-115
Project Address: GE Pittsfield
Project Manager: ~~Adam Locke~~ D. Wissman
Project Number: 81.0398.0042
Sampled by: G. Morsch Date: 12/2/04

Analysis Type: (PLM) & TEM
Positive Stop: Yes (No)
Turnaround Time: 5 days
Fax Copy by:
Return Samples: Yes No

Special Instructions or Comments: Bldg #114 Separate mastic from floor tiles

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	114-32A	114-3-01 Hallway	Blue rubber floor tile w/brown mastic	32
			Gray duct seam sealant	15
	114-15E	114-3-03	Brown cove base w/yellow mastic	33
	114-33A	114-3-03	" " " " " "	33
	114-33B	114-3-02	2x4 suspended ceiling tile	34
	114-34A	114-3-02	" " " "	34
	114-34B	114-3-04	12x12 Floor tile w/ [illegible]	10
	114-10[illegible]E	114-3-03	Black mastic on 12x12	11
	114-11E	114-3-03	Brown duct seam sealant	35
	114-35A	114-3-06	Flex connector	36
	114-36A	114-3-06	Sheetrock	37
	114-37A	114-3-02		38

Relinquished by: Greg Morsch	Date/Time: 12/2/04
Received by:	Date/Time:
Relinquished by:	Date/Time:
Received by:	Date/Time:
Relinquished by:	Date/Time:
Received by: [illegible] 12/3/04 10:30	Date/Time:
Company Name: ATC Associates, Inc.	
Company Address: 39 Spruce Street	
City: East Longmeadow State: MA	Zip: 01028
[redacted]	
Fax: (413) 525-8227	
Results to: Sandy Fabian	
Verbal Results: Yes No	
Cell or Pager #:	
Site Fax:	
Additional Fax:	



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8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334 FAX (781) 337-7642

Project Name: GE Bldgs 107-115	Analysis Type: PLM & TEM
Project Address: GE Pittsfield	Positive Stop: Yes (No)
Project Manager: ~~Adam Lasko~~ D. Wissman	Turnaround Time: 5 days
Project Number: 8100398.0042	Fax Copy by:
Sampled by: G. Morsch Date: 12/2/04	Return Samples: Yes No

Special Instructions or Comments: Separate grout + mastics from tiles

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	114-03C	Rm 114-3-01 Hallway	2'x2' suspended ceiling tile	3
	114-39A	Rm 114-1-09	12x12 Floor tile	39
	114-40A	Rm 114-1-09	Black mastic on 12x12 tile	40
	114-41A	Rm 114-1-09	Brown Covebase w/yellow mastic	41
	114-42A	Rm 114-1-09	Countertop panel w/adhesive	42
	114-43A	Rm 114-1-09	Joint Compound	43
	114-44A	Rm 114-1-09	Wall paint	44
	114-45A	Rm 114-1-09	Window glazing	45
	114-46A	Rm 114-1-09	Door frame caulking	46
	114-47A	Rm 114-1-13	2x4 suspended ceiling tile	47
	114-48A	Rm 114-1-13	Sink Countertop linoleum	48
	114-49A	Rm 114-1-15	Ceramic wall tile grout	49
			Ceramic wall tile adhesive	50

Relinquished by: Greg Morsch Date/Time: 12/2/04

Received by: _____ Date/Time: _____

Relinquished by: _____ Date/Time: _____

Received by: _____ Date/Time: _____

Relinquished by: _____ Date/Time: _____

Received by: 12/3/04 10:30 Date/Time: _____

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Fax: (413) 525-8227

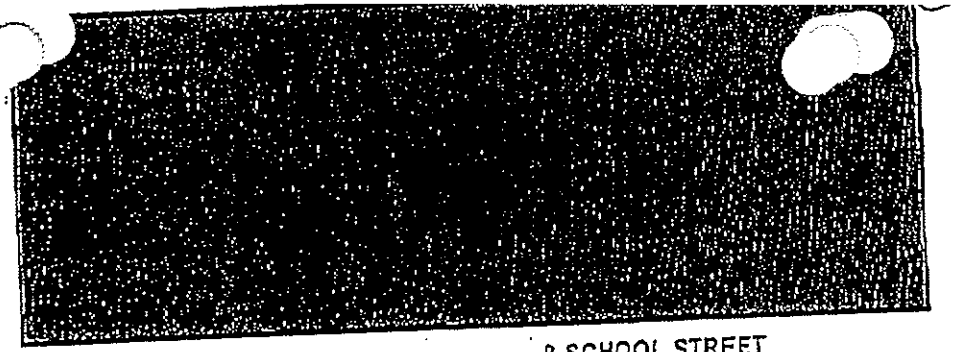
Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:



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(781) 649-2873

8 SCHOOL STREET
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Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Locke~~ Dr. Wissman

Project Number: 81.01398.0042

Sampled by: G. Morsch Date: 12/2/04

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Special Instructions or Comments:

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	114-51A	Rm 114-1-14	Ceramic floor tile grout (gray)	51
	114-52A	Rm 114-1-14	Black mastic under ceramic tiles	52
	114-53A	Rm 114-1-14	Brown sheetrock	53
	114-54A	Rm 114-1-14	Joint Compound	54

Relinquished by:	Greg Morsch	Date/Time: 12/2/04
Received by:		Date/Time:
Relinquished by:		Date/Time:
Received by:		Date/Time:
Relinquished by:		Date/Time:
Received by:	12/3/04 10:30	Date/Time:

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Company Name: ATC Associates, Inc.
Company Address: 39 Spruce Street
City: East Longmeadow State: MA Zip: 01028
Fax: (413) 525-8227
Results to: Sandy Fabian
Verbal Results: Yes No
Cell or Pager #:
Site Fax:
Additional Fax:

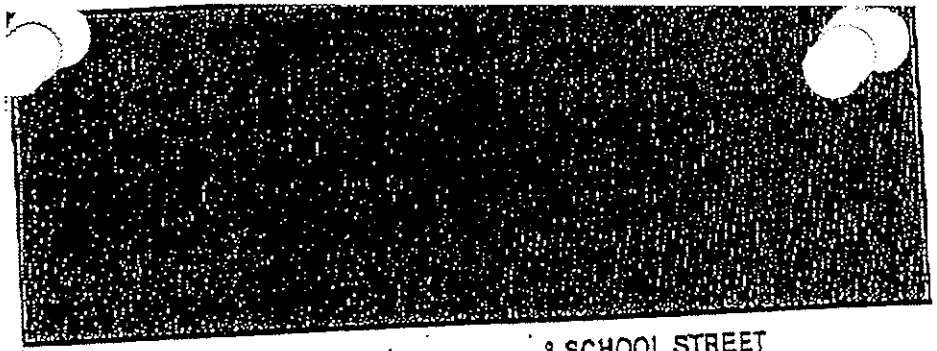
Project Name: GE Bldgs 107-115
Project Address: GE Pittsfield
Project Manager: ~~Adam Lesko~~ D. Wisseman
Project Number: 81.01398.0042
Sampled by: G. Morsch Date: 12/2/04

Analysis Type: (PLM) & TEM
Positive Stop: Yes (No)
Turnaround Time: 5 days
Fax Copy by:
Return Samples: Yes No

Special Instructions or Comments:

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	114EW-01A	Bldg 114 Exterior Walls	Yellow wall paint	1 EW
	114EW-01B	Bldg 114 Exterior walls	" " "	1 EW
	114EW-01C	Bldg 114 Exterior Walls	" " "	1 EW
	114-EW-02A	" " "	Exterior Door Frame Caulking	2 EW
	114-EW-03A	" " "	HVAC Duct Coating	3 EW
	114EW-01D	" " "	Yellow wall paint	1 EW
	114EW-04A	" " "	Cinderblock wall seam caulking	4 EW
	114EW-05A	" " "	Window glazing	5 EW
	114EW-06A	" " "	Pipe penetration putty	6 EW
	114EW-07A	" " "	Entry Canopy roof flashing	7 EW

Relinquished by: Greg Morsch	Date/Time: 12/2/04
Received by:	Date/Time:
Relinquished by:	Date/Time:
Received by:	Date/Time:
Relinquished by:	Date/Time:
Received by: (Lab) 12/3/04 10:30	Date/Time:



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Company Name: ATC Associates, Inc.	
Company Address: 39 Spruce Street	
City: East Longmeadow State: MA Zip: 01028	
Attn: Tim Conway	Project Name: GE Bldgs 107-115
Fax: (413) 525-8227	Project Address: GE Pittsfield
Results to: Sandy Fabian	Project Manager: ~~Adam Leske~~ D. Wissman
Verbal Results: Yes No	Project Number: 81.0138.2042
Cell or Pager #:	Sampled by: G. Morsch Date: 12/2/04
Site Fax:	
Additional Fax:	Special Instructions or Comments: Large Storage Tank

Analysis Type: (PLM) & TEM
Positive Stop: Yes (No)
Turnaround Time: 5 days
Fax Copy by:
Return Samples: Yes No

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	LST-01A	Large Storage Tank	Black adhesive on tank with foam insulation	1
	LST-02A	Large Storage Tank	Foam insulation outer coating	2
	LST-03A	Large Storage Tank	Asphalt base pad	3

Relir by:	Greg Morsch	Date/Time:	12/1/04
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Company Name:	ATC Associates, Inc.	Ameri Sci Emergency Pagers	8 SCHOOL STREET
Company Address:	39 Spruce Street	(781) 317-1522	WEYMOUTH, MA 02189
City: East Longmeadow	State: MA Zip: 01028	(781) 649-2873	(781) 337-9334 FAX (781) 337-7642

[redacted]	Project Name: GE Bldgs 107-115	Analysis Type: (PLM) & TEM
Fax: (413) 525-8227	Project Address: GE Pittsfield	Positive Stop: Yes (No)
Results to: Sandy Fabian	Project Manager: ~~Adam Lesko~~ DERRICK WISSMAN	Turnaround Time: 5 days
Verbal Results: Yes No	Project Number: 81.0398.0042	Fax Copy by:
Cell or Pager #:	Sampled by: G. MORSCH Date: 11/29/04	Return Samples: Yes No
Site Fax:		
Additional Fax:	Special Instructions or Comments: Bldg #110 - Separate mastic from tiles	

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	110-01A	G.E. BLDG #110 - RM-110-1-01	12"x12" FLOOR TILE	HA-01A
	110-02A	" " " " " "	" " " " MASTIC	HA-02A
	110-03A	" " " " " "	BLACK COVE BASE W/MASTIC	HA-03A
	110-04A	" " " " " "	SHEET ROCK	HA-04A
	110-05A	" " " " " "	JOINT COMPOUND	HA-05A
	110-06A	" " " " " "	WINDOW GLAZE	HA-06A
	110-07A	" " " RM 110-1-02	DOOR CAULK	HA-07A
	110-08A	" " " " " "	LIGHT FIXTURE GASKET	HA-08A
	110-09A	" " " RM-110-1-03	INTERIOR WINDOW CAULK	HA-09A
	110-10A	" " " RM-110-1-04	PAINT ON COLUMN	HA-10A
	110-11A	" " " RM-110-1-06	FLOOR PAINT	HA-11A
	110-12A	" " " RM-110-1-07	THERMAL MAGNESIA PIPE INSULATION	HA-12A

Relinquished by:	Greg Misiach	Date/Time:	12/1/04
Received by:		Date/Time:	
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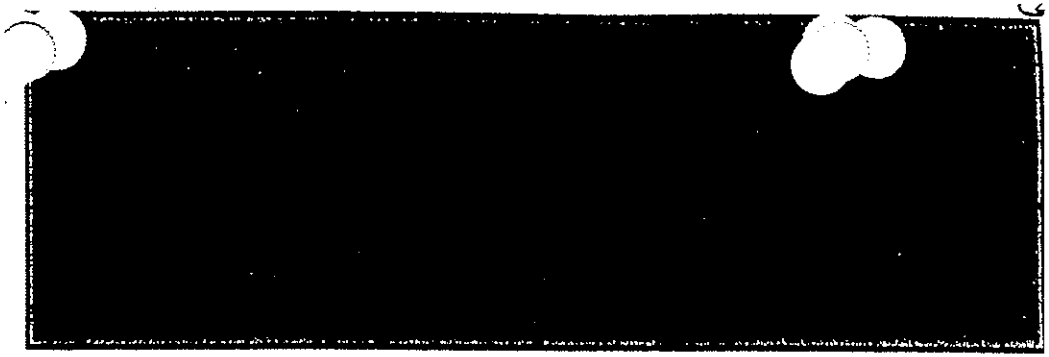

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

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8 SCHOOL STREET WEYMOUTH, MA 02189 (781) 337-9334 FAX (781) 337-7642

Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Lasko~~ DERRICK WISSMAN.

Project Number: 81.0398.0042

Sampled by: G. MORSE Date: 11/24/04

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

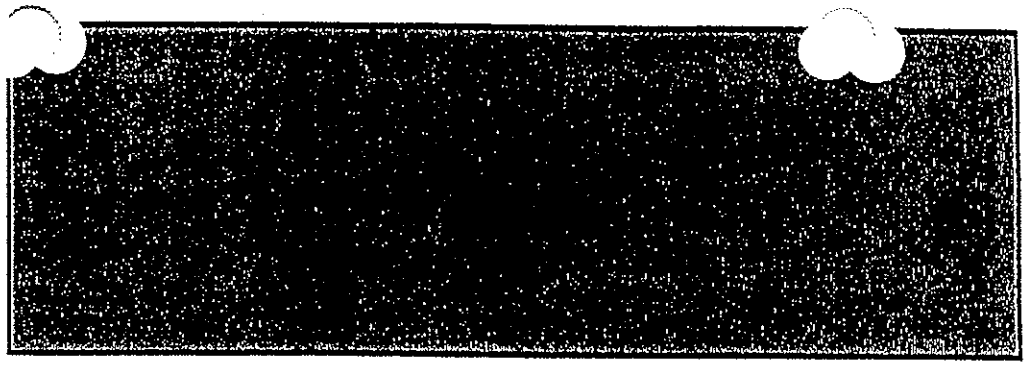
Fax Copy by:

Return Samples: Yes No

Special Instructions or Comments: Separate mastic from tiles

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	110-13A	BLDG#110 - RM-110-1-13	12x12 FLOOR TILE MASTIC	HA-13A
	110-14A	" " " " " "	9x9 FLOOR TILE	HA-14A
	110-15A	" " " " " "	" " " " MASTIC	HA-15A
	110-03B	" " " " " "	BLACK COVE BASE w/MASTIC	HA-03B
	110-16A	" " " " " "	RED LEVELASTIC	HA-16A
	110-17A	" " RM-110-1-16	BROWN COVE BASE & MASTIC	HA-17A
	110-04B	" " " " " "	SHEET ROCK	HA-04B
	110-18A	" " " " " "	2'x4' CEILING TILE	HA-18A
	110-05B	" " " " " "	JOINT COMPOUND	HA-05B
	110-05C	" " RM-110-1-18	" "	HA-05C
	110-04C	RM-110-1-20	SHEET ROCK	HA-04C
	110-19A	" " " " " "	CARPET ADHESIVE	HA-19A

Relin by:	Greg Kovach	Date/Time:	12/1/04
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	



Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

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Phone: (413) 525-4119

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8 SCHOOL STREET

WEYMOUTH, MA 02189

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Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Lasko~~ DERRICK WISSMAN.

Project Number: 81.0398.0042

Sampled by: G. MORSCH Date: 11/29/04

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

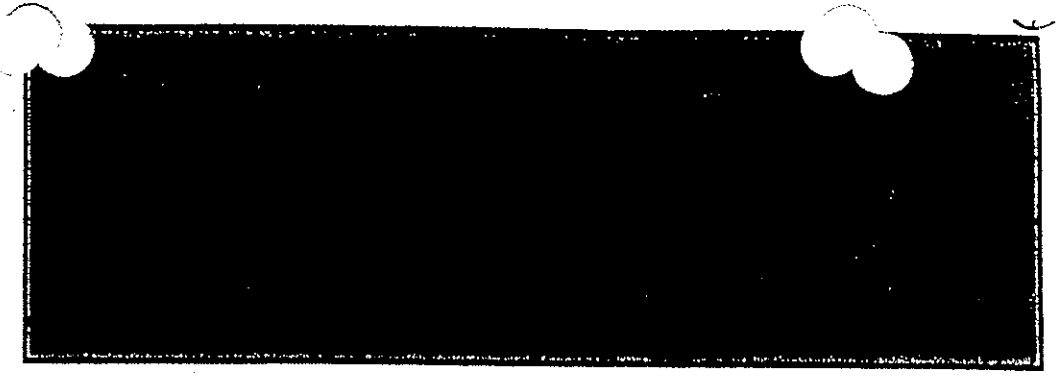
Site Fax:

Additional Fax:

Special Instructions or Comments: Separate grout from ceramic tiles

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	110-04D	BLDG# 110 - RM-110-1-23	SHEET ROCK	HA-04D
	110-05D	" " " " " "	JOINT COMPOUND	HA-05D
	110-20A	" " " " " "	EXTERIOR (WINDOW) CAULK	HA-20A
	110-06B	" " RM 110-1-24	(WINDOW) CAULK	HA-06B
	110-21A	" " RM-110-2-01	12x12 FLOOR TILE	HA-21A
	110-22A	" " " " " "	" " " " MASTIC	HA-22A
	110-23A	" " " " " "	9"x9" FLOOR TILE	HA-23A
	110-24A	" " " " " "	" " " " MASTIC	HA-24A
	110-25A	" " " " " "	CERAMIC FLOOR TILE GROUT	HA-25A
	110-16B	" " " " " "	RED LEVELASTIC	HA-16B

Relinquished by:	Greg Resnick	Date/Time:	12/1/04
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	



Company Name:	ATC Associates, Inc.	Ameri Sci Emergency Pagers	8 SCHOOL STREET
Company Address:	39 Spruce Street	(781) 317-1522	WEYMOUTH, MA 02189
City: East Longmeadow	State: MA Zip: 01028	(781) 649-2873	(781) 337-9334 FAX (781) 337-7642

[redacted]	Project Name: GE Bldgs 107-115	Analysis Type: PLM & TEM
Fax: (413) 525-8227	Project Address: GE Pittsfield	Positive Stop: Yes (No)
Results to: Sandy Fabian	Project Manager: ~~Adam Lesko~~ DERRICK WISSMAN	Turnaround Time: 5 days
Verbal Results: Yes No	Project Number: 81.0398.0042	Fax Copy by:
Cell or Pager #:	Sampled by: G. MORSCH Date: 12/1/04	Return Samples: Yes No
Site Fax:		
Additional Fax:	Special Instructions or Comments: Bldg #110	

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	110-26A	BLDG # 110 - RM - 110-1-~~04~~ 04	DUCT SEALANT	HA-26A
	26B	" " RM - 110-1-13	" "	HA-26B
	26C	" " RM - 110-1-03	" "	HA-26C
	27A	" " RM - 110-1-16	LIGHT FIXTURE WIRE	HA-27A
	28A	" " RM - 110-1-09	BLACK TAR PAPER ON FIBERGLASS	HA-28A
	29A	" " RM - 110-2-03	SKIM COAT	HA-29A
	29B	" " " " "	" "	HA-29B
	29C	" " RM 110-2-02	" "	HA-29C
	30A	" " RM - 110-2-03	BASE COAT	HA-30A
	30B	" " RM - 110-2-02	" "	HA-30B
	30C	" " " " "	" "	HA-30C
	31A	" " " " "	SHEET ROCK	HA-31A

Relinquished by: Greg Morsch Date/Time: 12/1/04

Received by: _____ Date/Time: _____

Relinquished by: _____ Date/Time: _____

Received by: _____ Date/Time: _____

Relinquished by: _____ Date/Time: _____

Received by: _____ Date/Time: _____

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

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8 SCHOOL STREET

WEYMOUTH, MA 02189

(781) 337-9334 FAX (781) 337-7642

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Lasko~~ DERRICK LIVSSMAN

Project Number: 81.0398.0042

Sampled by: G. MORSCH Date: 12/1/04

Special Instructions or Comments: Bldg #114 Separate mastics from floor tiles

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Results to: Sandy Fabian

Verbal Results: Yes No

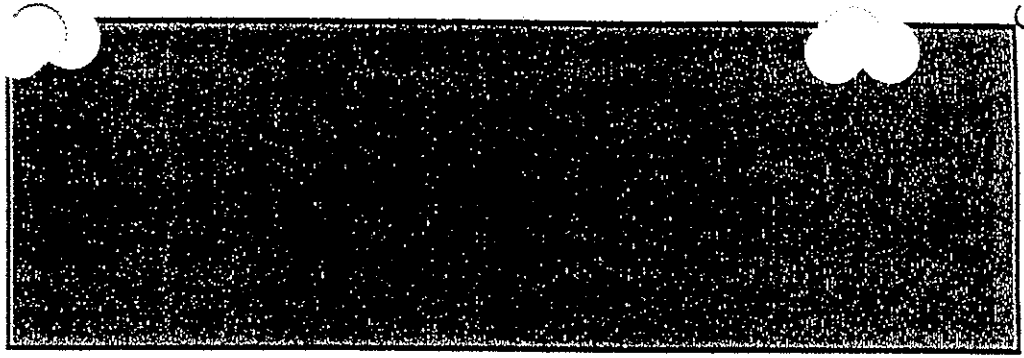
Cell or Pager #:

Site Fax:

Additional Fax:

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	BLDG-114-01A	GE-BLDG#114-RM-114-1-02	SHEET ROCK	HA-01A
	02A	" " " " " "	JOINT COMPOUND	HA-02A
	02B	" " " RM-114-1-03	" "	HA-02B
	03A	RM-114-1-04	CEILING TILE - 2x2	HA-03A
	04A	" " " "	BLUE (~~GREY~~) COVE BASE & MASTIC (YELLOW)	HA-04A
	05A	" " " "	BLUE FLOOR TILE & RUBBER MASTIC	HA-05A
	01B	" " " " 114-1-04	SHEET ROCK	HA-01B
	01C	" " " " 114-1-2C	SHEET ROCK	HA-01C
	03B	" " " RM-114-1-MS-1	CEILING TILE	HA-03B
	02C	" " " RM-114-105	JOINT COMPOUND	HA-02C
	06A	" " " " " "	BLACK COVE BASE & TAN MASTIC (~~BLACK~~)	HA-06A
	07A	" " " RM-114-1-06	BLACK MASTIC-SHEET ROCK	HA-07A

Relinq[illegible]y:	Greg Marsh	Date/Time:	12/1/04
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	



Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Phone: (413) 525-2332

Fax: (413) 525-8227

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Project Name:

Project Address:

Project Manager: ~~Adam Lesko~~ DERRICK WISSMAN

Project Number:

Sampled by: G. MARSH Date: 12/1/04

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Special Instructions or Comments: Bldg 114 Separate mastics from floor tiles

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	114-09A	BLDG #114 - RM-114-106	2'x4' CEILING TILE	HA-09A
	114-10A	" " " 1-06	12"x12" Floor Tile	10
	114-11A	" " " " 1-06	Black mastic on 12x12 tile	11
	114-10B	" " RM 114-1-05	12"x12" Floor tile	10
	114-11B	" " " " " "	Black mastic on 12"x12" tile	11
	114-06B	" " " " " "	Black cove base with tan mastic	6
	114-05B	" " Rm 114-01-03	Blue Rubber Floor tile + mastic	5
	114-09B	" " RM 114-1-01	2'x4' ceiling tile	9
	114-12A	" " RM-114-1-07	PIN ADHESIVE-HVAC INSULATION	HA-12A
	114-13A	" " " " "	T.S.I. Fitting insulation	HA-13A
	114 13B	" " RM-114-1-08	" " "	HA-13B
	114 13C	" " " " "	" " "	HA-13C

Relinquished by:	Greg Marsch	Date/Time:	12/1/04
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

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Company Name: ATC Associates, Inc.
Company Address: 39 Spruce Street
City: East Longmeadow State: MA Zip: 01028

[redacted]
Fax: (413) 525-8227
Results to: Sandy Fabian
Verbal Results: Yes No
Cell or Pager #:
Site Fax:
Additional Fax:

Project Name: GE Bldgs 107-115
Project Address: GE Pittsfield
Project Manager: ~~Adam Lesko~~ DERRICK WISSMAN
Project Number: 81.0398.0042
Sampled by: G. MARSCH. Date: 12/1/04

Analysis Type: (PLM) & TEM
Positive Stop: Yes (No)
Turnaround Time: 5 days
Fax Copy by:
Return Samples: Yes No

Special Instructions or Comments: Bldg 114

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	114-14A	Bldg #114- RM # 114-1-07	SPRAY-ON	HA-14A
	14B	" " " " "	" "	HA-14B
	14C	" " " " "	" "	HA-14C
	15A	" " " " "	Duct Sealant	HA-15A
	15B	" " " " "	" "	HA-15B
	16A	" " " " "	FLEX CONNECTOR	HA-16A
	~~XXX~~	" " " " "	~~XXXXXXXXXX~~	~~XXX-XXX~~
	14D	" " RM-114-2-06	SPRAY ON	HA-14D
	14E	" " " " " "	" "	HA-14E
	14F	" " " " " "	" "	HA-14F
	14G	" " RM-14-3-06	" "	HA-14G
	14H	" " " " " "	" "	HA-14H

Relinquished by:	Greg Marsch	Date/Time:	12/1/04
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

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WEYMOUTH, MA 02189

(781) 337-9334 FAX (781) 337-7642

[redacted]

Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Lesko~~ DERRICK WISSMAN

Project Number: 81.0348.0042

Sampled by: G. MARSCH Date: 12/1/04

Special Instructions or Comments: Bldg 114 Separate mastic from floor tiles

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	114 - 17A	BLDG 114 - RM - 114 - 3 - 06	THERMAL MAG - PIPE	HA - 17A
	17B		" " "	17B
	17C		" " "	17C
	18A		THERMAL MAG - FITTINGS	18A
	18B		" " "	18B
	18C		" " "	18C
	19A		BLACK DUCT SEALANT	19A
	18D	RM - 114 - 2 - 06	THERMAL MAG - FITTING	18D
	18E	"	" " "	18E
	12B		PIN ADHESIVE - AVAC INSULATION	12B
	05B	RM 114 - 2 - 01	RUBBER BLUE FLOOR TILE & MASTIC	05B
	04C		BLUE COVE BASE & MASTIC	04C

Relinquished by:	Greg Marsch	Date/Time:	12/1/04
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

[redacted]

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Ameri Sci Emergency Pagers

(781) 317-1522

(781) 649-2873

8 SCHOOL STREET

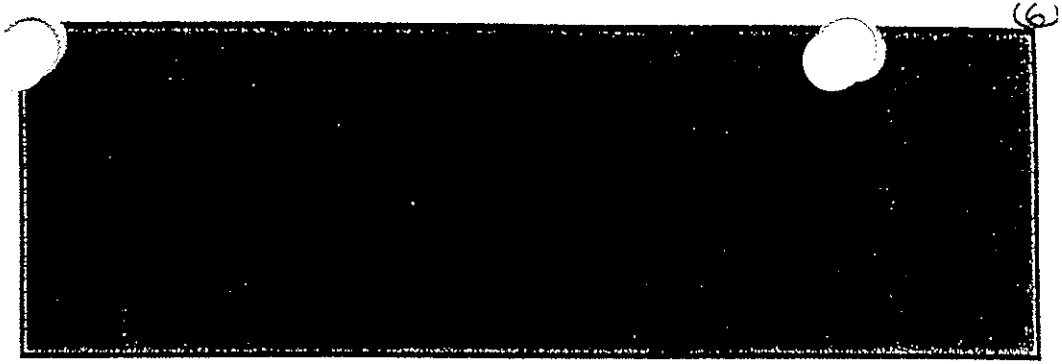
WEYMOUTH, MA 02189

(781) 337-9334 FAX (781) 337-7642

[redacted]	Project Name: GE Bldgs 107-115	Analysis Type: (PLM)& TEM
Fax: (413) 525-8227	Project Address: GE Pittsfield	Positive Stop: Yes (No)
Results to: Sandy Fabian	Project Manager: ~~Adam Leeko~~ D. Wissman	Turnaround Time: 5 days
Verbal Results: Yes No	Project Number: 81.0398.0042	Fax Copy by:
Cell or Pager #:	Sampled by: G. Marsch Date: 12/1/04	Return Samples: Yes No
Site Fax:	Bldg 114	
Additional Fax:	Special Instructions or Comments: Separate mastics from floor tiles	

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	114-19B	BLDG# 114 - RM# 14-2-04	BROWN COVE BASE & MASTIC	HA-19B
	10C	RM-14-2-03	12x12 FLOOR TILE	HA-10C
	11C	↓	BLACK MASTIC ON 12"X12" F.T.	HA-11C
	15C	RM 14-2-02	DUCT SEALANT - GRAY	HA-15C
	20A	↓	SHEET ROCK	HA-20A
	20B	RM 14-2-04	" "	HA-20B
	21A	RM 14-2-02	JOINT COMPOUND	HA-21A
	21B	RM 14-2-04	" "	HA-21B
	10D	↓	12x12 FLOOR TILE	HA-10D
	11D	↓	BLACK MASTIC ON 12x12 F.T.	HA-11D
	06B	↓	2x4 CEILING TILE	HA-06A
	03B	RM-14-2-01	2x2 " "	HA-03B

Relin d by:	Doug Morsch	Date/Time:	12/1/04
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	



Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Ameri Sci Emergency Pagers

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8 SCHOOL STREET

WEYMOUTH, MA 02189

(781) 337-9334 FAX (781) 337-7642

[redacted]

Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Lesko~~ DERRICK WISSMAN

Project Number: 81.0398.0042

Sampled by: G. MORSCH Date: 12/1/04

Special Instructions or Comments: Bldg 114 Separate mastics from floor tiles

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	114-22A	BLDG #114 RM 114-2-03	LAB COUNTER TOP - BLACK	HA-22A
	23A	↓	" " INTERIOR GRAY	HA-23A
	24A	RM-114-2-08	12x12 FLOOR TILE-TAN W/RED	HA-24A
	25A	↓	MASTIC FOR 12x12 TILE	HA-25A
	26A	RM-114-2-14	BROWN COVE BASE & MASTIC	HA-26A
	27A	" " " "	SHEET ROCK	HA-27A
	28A		JOINT COMPOUND	HA-28A
	29A	↓	2x4 CEILING TILE	HA-29A
	24B	RM-114-2-13	12x12 FLOOR TILE TAN W/RED	HA-24B
	25B	↓	MASTIC FOR 12x12 TILE	HA-25B
	26B	RM-114-2-08	COVE BASE & MASTIC BROWN	HA-26B
	28B	RM-114-2-11	JOINT COMPOUND	HA-28B

Relinq[illegible] by:	Greg Marsch	Date/Time:	12/1/04
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

[redacted]

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

[redacted]

Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Ameri Sci Emergency Pagers

(781) 317-1522

(781) 649-2873

8 SCHOOL STREET

WEYMOUTH, MA 02189

(781) 337-9334 FAX (781) 337-7642

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Lesko~~ DERRICK WISSMAN

Project Number: 81.0398.0042

Sampled by: G. Marsch Date: 12/1/04

Special Instructions or Comments: Bldg 114 Separate mastics from floor tiles

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	114-27B	Bldg #114 RM-114-2-11	SHEET ROCK	HA-27B
	30A	RM-114-2-08	12x12 FLOOR TILE TAN W/BLACK	30
	31A	RM-114-2-08	MASTIC FOR 12x12 TILES	31
	30B		12x12 Floor Tile Tan w/Black	30
	31B		mastic for 12x12 Tiles	31

(1)

Relinquished by:	Greg Morsch	Date/Time:	12/2/04
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

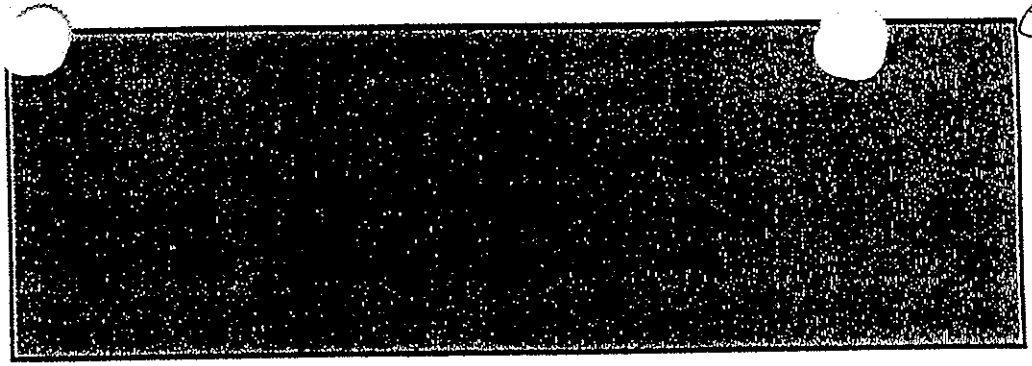
[redacted]

Company Name:	ATC Associates, Inc.	Ameri Sci Emergency Pagers	8 SCHOOL STREET
Company Address:	39 Spruce Street	(781) 317-1522	WEYMOUTH, MA 02189
City: East Longmeadow	State: MA Zip: 01028	(781) 649-2873	(781) 337-9334 FAX (781) 337-7642

[redacted]	Project Name: GE BLDGS 107-115	Analysis Type: (PLM) & TEM	
Fax: (413) 525-8227	Project Address: GE Pittsfield	Positive Stop: Yes (No)	
Results to: Sandy Fabian	Project Manager: ~~Adam Locke~~ D. Wissman	Turnaround Time: 5 days	
Verbal Results: Yes No	Project Number: 81.0398.0042	Fax Copy by:	
Cell or Pager #:	Sampled by: G. Morsch Date: 12/2/04	Return Samples: Yes No	
Site Fax:	Bldg #114		
Additional Fax:	Special Instructions or Comments: Separate mastic from floor tiles		

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	114-32A	114-3-01 Hallway	Blue rubber floor tile w/brown mastic	32
	114-15E	114-3-03	Gray duct seam sealant	15
	114-33A	114-3-03	Brown cove base w/yellow mastic	33
	114-33B	114-3-02	" " " " " "	33
	114-34A	114-3-02	2x4 Suspended ceiling tile	34
	114-34B	114-3-04	" " " "	34
	114-10[redacted]E	114-3-03	12x12 Floor tile [redacted]	10
	114-11E	114-3-03	Black mastic on 12x12	11
	114-35A	114-3-06	Brown duct seam sealant	35
	114-36A	114-3-06	Flex connector	36
	114-37A	114-3-03	Sheetrock	37

Relinquished by:	Greg Morsch	Date/Time:	12/2/04
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	



Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Phone: (413) 525-2332

Fax: (413) 525-8227

Ameri Sci Emergency Pagers

(781) 317-1522

(781) 649-2873

8 SCHOOL STREET

WEYMOUTH, MA 02189

(781) 337-9334 FAX (781) 337-7642

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Locke~~ D. Wissman

Project Number: 81.0398.0042

Sampled by: G. Morsch Date: 12/2/04

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

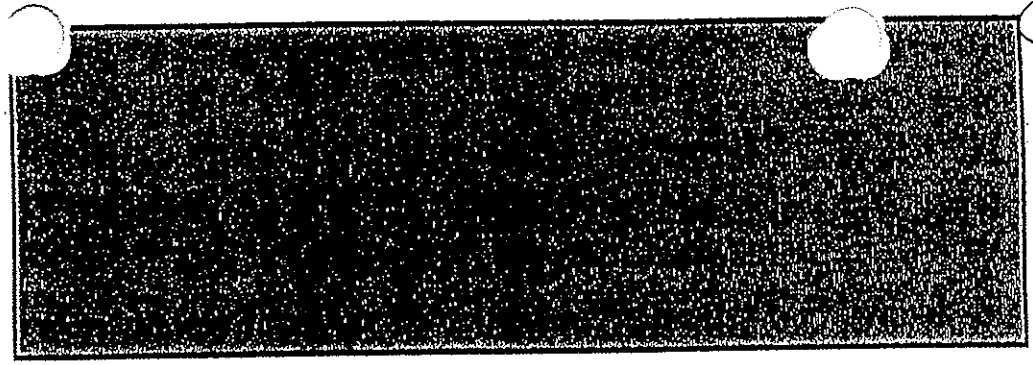
Site Fax:

Additional Fax:

Special Instructions or Comments: Separate grout + mastics from tiles

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	114-03C	Rm 114-3-01 Hallway	2'x2' suspended ceiling tile	3
	114-39A	Rm 114-1-09	12x12 Floor tile	39
	114-40A	Rm 114-1-09	Black mastic on 12x12 tile	40
	114-41A	Rm 114-1-09	Brown covebase w/yellow mastic	41
	114-42A	Rm 114-1-09	Countertop panel w/adhesive	42
	114-43A	Rm 114-1-09	Joint Compound	43
	114-44A	Rm 114-1-09	Wall paint	44
	114-45A	Rm 114-1-09	Window Glazing	45
	114-46A	Rm 114-1-09	Door frame caulking	46
	114-47A	Rm 114-1-13	2x4 suspended ceiling tile	47
	114-48A	Rm 114-1-13	Sink Countertop linoleum	48
	114-49A	Rm 114-1-15	Ceramic wall tile grout	49

Relinquished by:	Greg Morsch	Date/Time:	12/2/04
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	



Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Phone: (413) 525-2332

Fax: (413) 525-8227

Ameri Sci Emergency Pagers
(781) 317-1522
(781) 649-2873

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334 FAX (781) 337-7642

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Lochs~~ Dr. Wissman

Project Number: 81.01398.0042

Sampled by: G. Morsch Date: 12/2/04

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

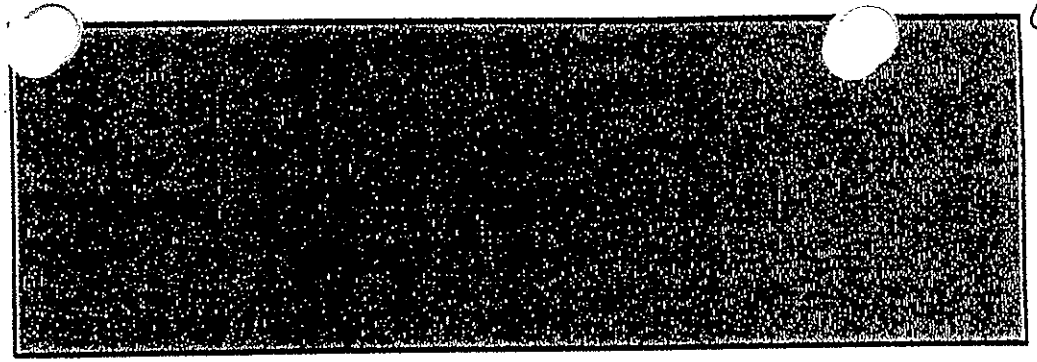
Return Samples: Yes No

Special Instructions or Comments:

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	114-51A	Rm 114-1-14	Ceramic floor tile grout (gray)	51
	114-52A	Rm 114-1-14	Black mastic under ceramic tiles	52
	114-53A	Rm 114-1-14	Brown sheetrock	53
	114-54A	Rm 114-1-14	Joint Compound	54

(4)

Relinqu... by:	Greg Morsch	Date/Time:	12/2/04
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	



Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Phone: (413) 525-2332

Fax: (413) 525-8227

Ameri Sci Emergency Pagers

(781) 317-1522

(781) 649-2873

8 SCHOOL STREET

WEYMOUTH, MA 02189

(781) 337-9334 FAX (781) 337-7642

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Losko~~ D. Wissman

Project Number: 81.01398.0042

Sampled by: G. Morsch Date: 12/2/04

Special Instructions or Comments:

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
--	114EW-01A	Bldg 114 Exterior Walls	Yellow wall paint	1 EW
	114EW-01B	Bldg 114 Exterior walls	" " "	1 EW
	114EW-01C	Bldg 114 Exterior Walls	" " "	1 EW
	114-EW-02A	" " "	Exterior Door Frame Caulking	2 EW
	114-EW-03A	" " "	HVAC Duct Coating	3 EW
	114EW-01D	" " "	Yellow wall paint	1 EW
	114EW-04A	" " "	Cinderblock wall seam caulking	4 EW
	114EW-05A	" " "	Window Glazing	5 EW
	114EW-06A	" " "	Pipe penetration putty	6 EW
	114EW-07A	" " "	Entry Canopy roof flashing	7 EW

504111411

Relinquished by:		Date/Time: 11/23/04	
Received by:		Date/Time: 11/24/04 1000	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Project Name:	GE Plastics Bldgs. 107-115		
Project Number:	81.01398.0042		
Project Address:	Bldg. 114 – Exterior		

SCI LAB

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date: 11/22/04
Positive Stop:	No	Project Manager:	Derrick Wissman	
Turnaround Time	5 Days	Results To:	Edward Kolodziej	
Fax Copy By:	413-525-8227		Emergency Pager:	
Hard Copy By:	413-525-1198		Additional Fax No.	

Special Instructions or Comments **Analyze all Layers**

Lab ID	Field ID	Location	Sample Description
	114-EXT-01A	Roof	Silver Paint on Rubber with Felt Layers underneath
	114-EXT-01B	Roof	Silver Paint on Rubber with Felt Layers underneath
	114-EXT-02A	Roof	Tar on Metal Deck
	114-EXT-03A	Roof	Seam Caulking on Roof
	114-EXT-03B	Roof	Seam Caulking on Roof
	114-EXT-04A	Roof	Red Duct Sealant
	114-EXT-04B	Roof	Red Duct Sealant
	114-EXT-05A	Roof	Door Caulking
	114-EXT-06A	Roof	Flashing
	114-EXT-06B	Roof	Flashing
	114-EXT-07A	Roof	Gray Flashing Cement
	114-EXT-08A	Roof	Gray Duct Sealant
	114-EXT-08B	Roof	Gray Duct Sealant
	114-EXT-09A	Roof	Flex Connector
	114-EXT-10A	Roof	Flashing Cement (Support Blocks)
	114-EXT-11A	Roof	Flashing Cement (under rubber on metal roof)
	114-EXT-12A	Roof	Adhesive on rubber roof over metal deck

504111411

Relinquished by: Edward K	Date/Time: 11/23/04		
Received by: Angelia Hodgmore	Date/Time: 11/24/04 1000		
Relinquished by:	Date/Time:		
Received by:	Date/Time:		
Relinquished by:	Date/Time:		
Project Name: GE Plastics Bldgs. 107-115			
Project Number: 81.01398.0042			
Project Address: Bldg. 114 – Exterior			

SCITLAB

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date: 11/22/04
Positive Stop:	No	Project Manager:	Derrick Wissman	
Turnaround Time	5 Days	Results To:	Edward Kolodziej	
Fax Copy By:	413-525-8227		Emergency Pager:	
Hard Copy By:	413-525-1198		Additional Fax No.	

Special Instructions or Comments **Analyze all Layers**

Lab ID	Field ID	Location	Sample Description
	114-EXT-13A	Roof	Black Tar on Metal Seam on Metal Roof
	114-EXT-14A	Roof	White Duct Sealant

** TX STATUS REPORT ** AS OF NOV 29 2004 18:02 PAGE.01

SCILAB BOSTON

	DATE	TIME	TO/FROM	MODE	MIN/SEC	PGS	CMD#	STATUS
04	11/29	18:00	4135258227	EC--S	02'13"	008	040	OK

Please Reply To:

AmeriSci Boston
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

FACSIMILE TELECOPY TRANSMISSION

To: Edward Kolodziej
ATC Associates, Inc., East Longmeadow
Fax #: (413)525-8227
Email:

From: Steven P. Grise
AmeriSci Job #: 504111411
Subject: PLM 5 day Results
Client Project: 81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 114 - Exterior

Date: Monday, November 29, 2004
Time: 17:20:16

Number of Pages: 8 (including cover sheet)

Comments:

BUILDING 114

LABORATORY REPORTS/CHAIN-OF-CUSTODY (TEM)

Table I
Summary of Bulk Asbestos Analysis Results
81.0398.0042; GE Bldgs. 107-115; GE Pittsfield

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	BLDG-114-04A		0.48	62.08	7.29	30.63	NA	NAD
02	GE Building #114-1-04 BLDG-114-05A		0.174	38.51	40.23	21.26	NA	NAD
03	GE Building #114- Rm.-114-1-04 BLDG-114-06A		0.385	72.73	0.78	26.49	NA	NAD
04	GE Building #114- Rm.-114-1-05 BLDG-114-07A		0.333	61.26	18.32	20.42	NA	NAD
05	GE Building #114- Rm.-114-1-06 BLDG-114-10A		0.426	66.43	16.20	17.37	NA	NAD
06	Building 114- Rm.-114-1-06 BLDG-114-11A		0.142	90.85	7.04	2.11	NA	NAD
07	Building #112- Rm.114-1-06 BLDG-114-12A		0.129	93.02	3.10	3.88	NA	NAD
08	Building #114- Rm. 114-1-07 BLDG-114-15A		0.159	48.43	27.67	23.90	NA	NAD
09	Building #114- Rm.-114-1-07 BLDG-114-19A		0.207	41.55	57.49	0.97	NA	NAD
10	Building #114- Rm.-114-3-06 BLDG-114-19A		0.436	64.22	34.63	1.15	NA	NAD
11	Building #114- Rm.-114-3-06 BLDG-114-19M		0.405	61.23	13.58	25.19	NA	NAD
12	Building #114- Rm. 114-2-01 BLDG-114-25A		0.071	60.56	22.54	15.20	NA	Chrysotile 1.7
13	Building #114 Rm-114-2-08 BLDG-114-26A		0.484	36.16	60.74	3.10	NA	NAD
	Building #114- Rm. 114-2-14							

Table 1
Summary of Bulk Asbestos Analysis Results
81.0398.0042; GE Bldgs. 107-115; GE Pittsfield

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
14	BLDG-114-26M Building #114- Rm. 114-2-14		0.207	46.86	10.63	42.51	NA	NAD

Analyzed by: Paul J. Mucha Date Analyzed 12/27/2004

Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.1/198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843. NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (ie. soils and other heterogenous materials).

Reviewed By:

AmeriSci Job #: 204123124

Client Name: ATC Associates

Table I
Summary of Bulk Asbestos Analysis Results
81.01398.0042; GE Bldgs. 107-115; GE Pittsfield

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	114-35A 114-3-06		0.359	41.23	58.22	0.56	NA	NAD
02	114EW-04A Bldg 114 Exterior Walls		0.769	19.38	45.64	29.43	NA	Chrysotile 5.3 Anthophyllite <1.0
03	114EW-07A Bldg. 114 Exterior Walls		0.412	81.80	13.11	5.10	NA	NAD
04	LST-03A Large Storage Tank		0.943	8.91	6.26	84.59	NA	Chrysotile <1.0

Sc

Analyzed by: Paul J. Mucha; Date Analyzed 12/27/2004

Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by EPA 600/M4-82-020 per 40 CFR (NVLAP Lab#200546-0); TEM (Semi/Full) by EPA 600/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.1/198.4 for New York samples (NYSDOH ELAP#11480); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843. NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:

AmeriSci Job #: **204123126**

Client Name: ATC Associates

Table I

Summary of Bulk Asbestos Analysis Results

81.01398.0042; GE Plastics Bldgs. 107-115; Bldg. 114- Exterior

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	114-EXT-01A Roof		0.236	67.37	0.42	32.20	NA	NAD
02	114-EXT-02A Roof		0.616	99.51	0.00	0.49	NA	NAD
03	114-EXT-03A Roof		1.03	65.44	18.64	15.92	NA	NAD
04	114-EXT-04A Roof		0.471	64.97	10.19	24.84	NA	NAD
05	114-EXT-05A Roof		0.601	40.10	0.67	59.23	NA	NAD
06	114-EXT-06A Roof		0.826	80.75	3.39	15.86	NA	NAD
07	114-EXT-08A Roof		0.421	49.88	23.99	26.13	NA	NAD
08	114-EXT-11A Roof		0.473	44.19	43.76	12.05	NA	NAD
09	114-EXT-12A Roof		0.302	88.41	0.33	11.26	NA	NAD

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Relinquished by: Date/Time:
Received by: Date/Time:
Relinquished by: Date/Time:
Received by: [signature] 12/2/04 1000 Date/Time:

[redacted]

12/27/2004 13:05

Company Name: ATC Associates, Inc.
Company Address: 39 Spruce Street
City: East Longmeadow State: MA Zip: 01028

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504121066

[redacted]
Fax: (413) 525-8227
Results to: Sandy Fabian
Verbal Results: Yes No
Cell or Pager #:
Site Fax:
Additional Fax:

Project Name: GE Bldgs 107-115
Project Address: GE Pittsfield
Project Manager: ~~Adam Lasko~~ DERRICK WISSMAN
Project Number: 81.0398.0042
Sampled by: G. MORSCH Date: 12/1/04
Special Instructions or Comments: Bldg #114 separate mastics from floor tiles

Analysis Type: PLM & TEM
Positive Stop: Yes No
Turnaround Time: 5 days
Fax Copy by:
Return Samples: Yes No

204123122

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
1	BLDG-114-01A	GE-BLDG#114-RM-114-1-02	SHEET ROCK	HA-01A
2	02A	" " " " " "	JOINT COMPOUND	HA-02A
3	02B	" " " RM-114-1-04	" "	HA-02B
4	03A	RM-114-1-04	CEILING TILE - 2x2	HA-03A
X 5 6	04A-	mastic " " " "	blue COVE BASE & MASTIC (yellow)	HA-04A
X 7 8	05A	mastic " " " "	BLUE FLOOR TILE & MASTIC rubber	HA-05A
9	01B	" " " " 114-1-04	SHEET ROCK	HA-01B
10	01C	" " " " 114-1-20	SHEET ROCK	HA-01C
11	03B	" " " RM-114-1-MS-1	CEILING TILE	HA-03B
12	02C	" " " RM-114-1-05	JOINT COMPOUND	HA-02
X 13 14	06A	mastic " " " "	BLACK COVE BASE & MASTIC (TAN)	HA-06A
X 15 16	07A	mastic " " " RM-114-1-06	BLACK MASTIC - SHEET ROCK	HA-0
17 18	04B	04	BLUE COVE BASE & MASTIC	

Relinquished by: Greg Morsch Date/Time: 12/1/04

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Received by: [signature] 12/2/04 1000 Date/Time:

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Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

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Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Project Name:

Project Address:

Project Manager: ~~Adamcasko~~ DERRICK WISSMAN

Project Number:

Sampled by: G. MORSCH. Date: 12/1/04

Special Instructions or Comments: Bldg 114 Separate mastics from floor tiles

Analysis Type: PLM & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by: 2041233132

Return Samples: Yes No

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
19	114-09A	BLDG #114 - Rm-114-106	2'x4' CEILING TILE	HA-09A
X 20	114-10A	" " " " "	12"x12" Floor Tile	10
X 21	114-11A mastic	" " " " 1-06	Black mastic on 12x12 tile	11
22	114-10B	" " Rm 114-1-05	12"x12" Floor tile	10
23	114-11B	" " " " " "	Black mastic on 12"x12" tile	11
24 25	114-06B	" " " " " "	Black cove base with tan mastic	6
26 27	114-05B	" " Rm 114-01-03	Blue Rubber floor tile + mastic	5
28	114-04B	Rm 114-1-01	2x4' ceiling tile	9
X 29	114-12A	" " Rm-114-1-07	PIN ADHESIVE-HVAC INSULATION	HA-12A
30	114-13A	" " " " "	T.S.I. Fitting insulation	HA-13A
31	114 13B	" " Rm-114-1-08	" " "	HA-13B
32	114 13C	" " " " "	" " "	HA-13C

12/27/2004 13:05 2126799392 SCILAB NYC LAB PAGE 03/11

Relinquished by:	Greg Morsch	Date/Time:	12/1/04
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Received by:	12/2/04 1000	Date/Time:	

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Company Name: ATC Associates, Inc.

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Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Project Name: GE-Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Leako~~ DERRICK WISSMAN

Project Number: 81.0398.0042

Sampled by: G. MORSCH Date: 12/1/04

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 Days

Fax Copy by:

Return Samples: Yes No

Special Instructions or Comments: Bldg 114

Lab ID	Field ID	Location	Sample Description	Homogeno Area #
33	114-14A	BLDG #114- RM # 114-1-07	SPRAY-ON	HA-14
34	14B	" " " " "	" "	HA-14
35	14C	" " " " "	" "	HA-14
X 36	15A	" " " " "	DUCT SEALANT	HA-15
37	15B	" " " " "	" "	HA-15
38	16A	" " " " "	FLEX CONNECTOR	HA-16
	[redacted]	" " " " "	[redacted]	[redacted]
39	14D	" " RM-114-2-06	SPRAY ON	HA-14
40	14E	" " " " "	" "	HA-14
41	14F	" " " " "	" "	HA-14
42	14G	" " RM-14-3-06	" "	HA-14
43	14H	" " " " "	" "	HA-14
44	14I	" " " " "	" "	

Relinquished by:	Greg Morsch	Date/Time:	12/1/04
Received by:		Date/Time:	12/2/04 11:30
Relinquished by:		Date/Time:	
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Relinquished by:		Date/Time:	
Received by:	12/2/04 1000	Date/Time:	

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

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Additional Fax:

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Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Lesko~~ DERRICK WISSMAN

Project Number: 81.0398.0042

Sampled by: G. MORSCH Date: 12/1/04

Analysis Type: PLM & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Special Instructions or Comments: Bldg 114 Separate mastic from floor tiles

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
~~45~~ 45	114 - 17A	BLDG 114 - RM - 114 - 3 - 06	THERMAL MAG - PIPE	HA - 17A
46	17B	"	" " "	17B
47	17C	"	" " "	17C
48	18A	"	THERMAL MAG - FITTINGS	18A
49	18B	"	" " "	18B
50	18C	"	" " "	18C
X 51	19A	"	BLACK DUCT SEALANT	19A
52	18D	RM - 114 - 2 - 06	THERMAL MAG - FITTING	18D
53	18E	"	" " "	18E
54	12B	"	PIN ADHESIVE - HVAC INSULATION	12B
55 56	05B	RM 114 - 2 - 01	RUBBER GLUE FOR TILE & MASTIC	05B
57 58	04C	"	BLUE COVE BASE & MASTIC	04C
X 59 60	19A			

12/27/2004 13:05 2126799392 SCILAB NYC LAB

Relinquished: Gary Morsch Date/Time: 12/1/04

Received by: [signature] Date/Time: 12/2/04 11:30

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Received by: [signature] 12/2/04 1100 Date/Time:

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Fax: (413) 525-8227

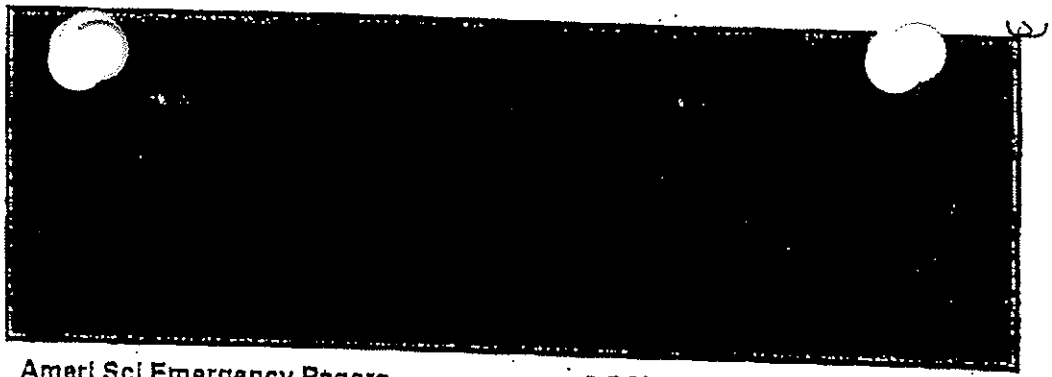
Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:



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Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Locke~~ D. Wissman

Project Number: 81.0398.0042

Sampled by: G. Morsch Date: 12/1/04

Analysis Type: PLM & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Special Instructions or Comments: Bldg 114 Separate mastics from floor tiles

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
60 62	114 - 19B	BLDG# 114 - RM# 14-2-04	BROWN COVE BASE & MASTIC	HA - 19B
63	10C	RM - 14-2-03	12x12 FLOOR TILE	HA - 10C
64	11C	↓	BLACK MASTIC ON 12"X12" FT	HA - 11C
65	15C	RM 14-2-02	DUCT SEALANT - GRAY	HA - 15C
66	20A	↓	SHEET ROCK	HA - 20A
67	20B	RM 14-2-04	" "	HA - 20B
68	21A	RM 14-2-02	JOINT COMPOUND	HA - 21A
69	21B	RM 14-2-04	" "	HA - 21B
70	10D	↓	12x12 FLOOR TILE	HA - 10D
71	11D	↓	BLACK MASTIC ON 12X12 F.T.	HA - 11D
72	09B	↓	2x4 CEILING TILE	HA - 09B
73	03B	RM - 14-2-01	2x2 " "	HA - 03B
74	15D			HA - 03A

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Relinquished by:		Date/Time:	
Received by:	[signature] 12/27/04 1000	Date/Time:	

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12/27/2004 13:05 2126799592 SCILAB ATC LAB

Company Name: ATC Associates, Inc.
Company Address: 39 Spruce Street
City: East Longmeadow State: MA Zip: 01028

[redacted]	Project Name: GE Bldgs 107-115	Analysis Type: (PLM) & TEM
Fax: (413) 525-8227	Project Address: GE Pittsfield	Positive Stop: Yes (No)
Results to: Sandy Fabian	Project Manager: ~~Adam Lesko~~ DERRICK WISSMAN	Turnaround Time: 5 days
Verbal Results: Yes No	Project Number: 81.0398.0042	Fax Copy by:
Cell or Pager #:	Sampled by: G. MORSCH Date: 12/1/04	Return Samples: Yes No
Site Fax:	Bldg 114	
Additional Fax:	Special Instructions or Comments: Separate mastics from floor tiles	

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
75	114-22A	BLDG#114 RM-114-2-03	LAB COUNTER TOP - BLACK	HA-22A
76	23A	↓	" " INTERIOR GRAY	HA-23A
77	24A	RM-114-2-08	12x12 FLOOR TILE - TAN W/RED	HA-24A
X 78	25A	↓	MASTIC FOR 12x12 TILE	HA-25A
X 79 80	26A	RM-114-2-14	BROWN COVE BASE & MASTIC	HA-26A
80	27A	" " " "	SHEET ROCK	HA-27A
82	28A		JOINT COMPOUND	HA-28A
83	29A	↓	2x4 CEILING TILE	HA-29A
84	24B	RM-114-2-13	12x12 FLOOR TILE TAN RED	HA-24B
85	25B	↓	MASTIC FOR 12x12 TILE	HA-25B
86 87	26B	RM-114-2-08	COVE BASE & MASTIC BROWN	HA-26B
88	28B	RM-114-2-11	JOINT COMPOUND	HA-28B
89	29B	RM-114-2-12	2x4 CEILING TILE	HA-29B

Relinquished	Greg Marsch	Date/Time:	12/1/04
Received by:		Date/Time:	12/2/04 11:30
Relinquished by:		Date/Time:	
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Relinquished by:		Date/Time:	
Received by:		Date/Time:	

[redacted]

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

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5041210 66

8 SCHOOL STREET
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Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Lesko~~ DERRICK WISSMAN

Project Number: 81.0398.0042

Sampled by: G. MARSCH Date: 12/1/04

Special Instructions or Comments: Bldg 114 Separate mastics from floor tiles

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
90	114-27B	BLDG #114 RM-114-2-11	SHEET ROCK	HA-27B
91	30A	RM-114-2-08	12x12 FLOOR TILE TAN W/BLACK	30
92	31A	RM-114-2-08	MASTIC FOR 12x12 TILES	31
93	30B	↓	12x12 Floor Tile tan w/black	30
94	31B		mastic for 12x12 Tiles	31

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Relinquished by:		Date/Time: 11/23/04	
Received by:		Date/Time: 11/24/04 1000	
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Received by:		Date/Time: 12/24/04 11:30	
Relinquished by:		Date/Time:	

[redacted]

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Project Name:	GE Plastics Bldgs. 107-115				
Project Number:	81.01398.0042				
Project Address:	Bldg. 114 – Exterior				
Analysis Type:	PLM	Sampled By:	Edward Kolodziej		Date: 11/22/04
Positive Stop:	No	Project Manager:	Derrick Wissman		
Turnaround Time	5 Days	Results To:	Edward Kolodziej		
Fax Copy By:	413-525-8227			Emergency Pager:	
Hard Copy By:	413-525-1198			Additional Fax No.	
Special Instructions or Comments	**Analyze all Layers**				

	Lab ID	Field ID	Location	Sample Description
X	1	114-EXT-01A	Roof	Silver Paint on Rubber with Felt Layers underneath
	2	114-EXT-01B	Roof	Silver Paint on Rubber with Felt Layers underneath
X	3	114-EXT-02A	Roof	Tar on Metal Deck
X	4	114-EXT-03A	Roof	Seam Caulking on Roof
	5	114-EXT-03B	Roof	Seam Caulking on Roof
X	6	114-EXT-04A	Roof	Red Duct Sealant
	7	114-EXT-04B	Roof	Red Duct Sealant 204123126
X	8	114-EXT-05A	Roof	Door Caulking
X	9	114-EXT-06A	Roof	Flashing
	10	114-EXT-06B	Roof	Flashing
	11	114-EXT-07A	Roof	Gray Flashing Cement
X	12	114-EXT-08A	Roof	Gray Duct Sealant
	13	114-EXT-08B	Roof	Gray Duct Sealant
	14	114-EXT-09A	Roof	Flex Connector
	15	114-EXT-10A	Roof	Flashing Cement (Support Blocks)
X	16	114-EXT-11A	Roof	Flashing Cement (under rubber on metal roof)
X	17	114-EXT-12A	Roof	Adhesive on rubber roof over metal deck

Relinquished by:	Greg Morsch	Date/Time:	12/2/04
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Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:	[signature] 12/3/04 10:30	Date/Time:	

[redacted]

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

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[redacted]	Project Name: GE Bldgs 107-115	Analysis Type: (PLM) & TEM
Fax: (413) 525-8227	Project Address: GE Pittsfield	Positive Stop: Yes (No)
Results to: Sandy Fabian	Project Manager: ~~Adam Lesko~~ D. Wissman	Turnaround Time: 5 days
Verbal Results: Yes No	Project Number: 81.01398.0042	Fax Copy by:
Cell or Pager #:	Sampled by: G. Morsch Date: 12/2/04	Return Samples: Yes No
Site Fax:		
Additional Fax:	Special Instructions or Comments:	204123124

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
~~36~~ 35	114EW-01A	Bldg 114 Exterior Walls	Yellow wall paint	1 EW
~~37~~ 36	114EW-01B	Bldg 114 Exterior Walls	" " "	1 EW
~~38~~ 37	114EW-01C	Bldg 114 Exterior Walls	" " "	1 EW
~~39~~ 38	114-EW-02A	" " "	Exterior Door Frame Caulking	2 EW
~~40~~ 39	114-EW-03A	" " "	HVAC Duct Coating	3 EW
~~41~~ 40	114EW-01D	" " "	Yellow wall paint	1 EW
~~42~~ 41	114EW-04A	" " "	Cinderblock wall seam caulking	4 EW
~~43~~ 42	114EW-05A	" " "	Window glazing	5 EW
~~44~~ 43	114EW-06A	" " "	Pipe penetration putty	6 EW
~~45~~ 44	114EW-07A	" " "	Entry Canopy roof flashing	7 EW

Relin d by: Greg Morsch	Date/Time: 12/2/04
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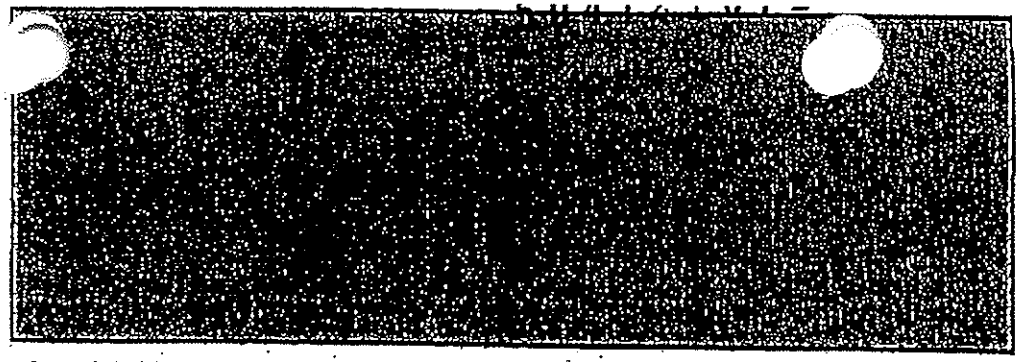
Received by:	Date/Time:
Relinquished by:	Date/Time:
Received by: [illegible] 12/3/04 10:30	Date/Time:



Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

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Fax: (413) 525-8227

Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:

Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Leske~~ D. Wissman

Project Number: 81.0138.0042

Sampled by: G. Morsch Date: 12/2/04

Special Instructions or Comments: Large Storage Tank

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

204123124

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
4645	LST-01A	Large Storage Tank	Black adhesive on tank with foam insulation	1
4746	LST-02A	Large Storage Tank	Foam insulation outer coating	2
4847	LST-03A	Large Storage Tank	Asphalt base pad	3

12/27/2004 13:17 2126799392 SULLAB INTL LAB

Relinquished by: Greg Morsch Date/Time: 12/2/04

Received by: [illegible] Date/Time: 12/2/04 1830

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Received by: _____ Date/Time: _____

Relinquished by: _____ Date/Time: _____

Received by: 12/3/04 10:30 Date/Time: _____

Company Name: ATC Associates, Inc.

Company Address: 39 Spruce Street

City: East Longmeadow State: MA Zip: 01028

[redacted]

Fax: (413) 525-8227

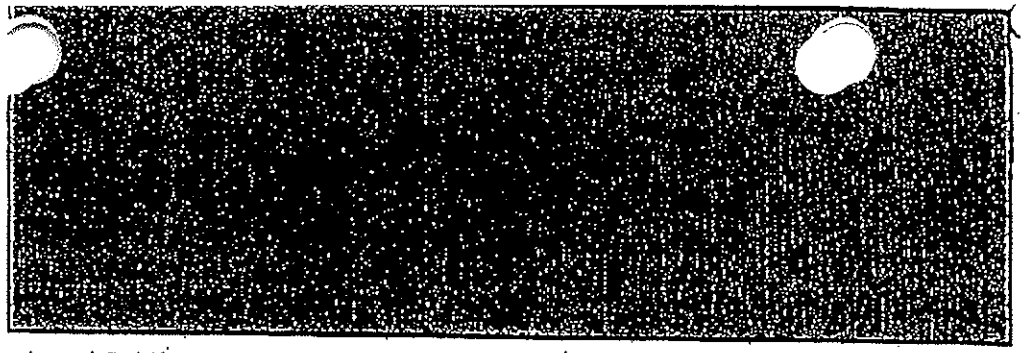
Results to: Sandy Fabian

Verbal Results: Yes No

Cell or Pager #:

Site Fax:

Additional Fax:



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Project Name: GE Bldgs 107-115

Project Address: GE Pittsfield

Project Manager: ~~Adam Locke~~ Dr. Wissman

Project Number: 81.01398.0042

Sampled by: G. Morsch Date: 12/2/04

Special Instructions or Comments:

Analysis Type: (PLM) & TEM

Positive Stop: Yes (No)

Turnaround Time: 5 days

Fax Copy by:

Return Samples: Yes No

204123124

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
31	114-51A	Rm 114-1-14	Ceramic floor tile grout (gray)	51
32	114-52A	Rm 114-1-14	Black mastic under ceramic tiles	52
33	114-53A	Rm 114-1-14	Brown sheetrock	53
34	114-54A	Rm 114-1-14	Joint Compound	54
D				

Relinquished by:	Greg Morsch	Date/Time:	12/2/04
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:	Andrea Sutter	Date/Time:	12/2/04 1150
Relinquished by:		Date/Time:	
Received by:	12/3/04 10:30	Date/Time:	

12/27/2004 13:17 2126799392

Company Name:	ATC Associates, Inc.
Company Address:	39 Spruce Street
City: East Longmeadow	State: MA Zip: 01028

Ameri Sci Emergency Pagers
(781) 317-1522
(781) 649-2873

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334 FAX (781) 337-7642

[redacted]	Project Name: GE Bldgs 107-115	Analysis Type: PLM & TEM
Fax: (413) 525-8227	Project Address: GE Pittsfield	Positive Stop: Yes (No)
Results to: Sandy Fabian	Project Manager: ~~Adam Lacko~~ D. Wissman	Turnaround Time: 5 days
Verbal Results: Yes No	Project Number: 81.0398.0042	Fax Copy by: 2041231124
Cell or Pager #:	Sampled by: G. Morsch Date: 12/2/04	Return Samples: Yes No
Site Fax:		
Additional Fax:	Special Instructions or Comments: Separate grout + mastics from tiles	

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
16	114-03C	Rm 114-3-01 Hallway	2'x2' suspended ceiling tile	3
17	114-39A	Rm 114-1-09	12x12 Floor tile	39
18 ~~19~~	114-40A	Rm 114-1-09	Black mastic on 12x12 tile	40
19, 20 ~~20 21~~	114-41A	Rm 114-1-09	Brown Covebase w/yellow mastic	41
21, 22 ~~22,23~~	114-42A	Rm 114-1-09	Countertop panel w/adhesive	42
23 ~~24~~	114-43A	Rm 114-1-09	Joint Compound	43
24 25	114-44A	Rm 114-1-09	Wall paint	44
25 26	114-45A	Rm 114-1-09	Window glazing	45
26 27	114-46A	Rm 114-1-09	Door frame caulking	46
27 28	114-47A	Rm 114-1-13	2x4 suspended ceiling tile	47
28 29	114-48A	Rm 114-1-13	Sink Countertop linoleum	48
29 30	114-49A	Rm 114-1-15	Ceramic wall tile grout	49
			Ceramic wall tile adhesive	50

SCILAB NYC LAB

Relinquished by:	Greg Morsch	Date/Time:	12/2/04
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:	Candice [illegible]	Date/Time:	12/24/04 1130
Relinquished by:		Date/Time:	
Received by:	[illegible] 12/24/04 10:30	Date/Time:	

[redacted]

Ameri Sci Emergency Pagers
(781) 317-1522
(781) 649-2873

J0412071

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334 FAX (781) 337-7642

Company Name: ATC Associates, Inc.
Company Address: 39 Spruce Street
City: East Longmeadow State: MA Zip: 01028

[redacted]

Fax: (413) 525-8227	Project Name: GE BLDGS 107-115		Analysis Type: (PLM) & TEM		
Results to: Sandy Fabian	Project Address: GE Pittsfield		Positive Stop:	Yes	(No)
Verbal Results: Yes No	Project Manager: ~~Adam Locke~~ D. Wissman		Turnaround Time: 5 days		
Cell or Pager #:	Project Number: 81.01398.0042		Fax Copy by: 20412312 4		
Site Fax:	Sampled by: G. Morsch	Date: 12/2/04	Return Samples:	Yes	No
Additional Fax:	Bldg #114				

Special Instructions or Comments: Separate mastic from floor tiles

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
1, 2	114-32A	114-3-01 Hallway	Blue rubber floor tile w/brown mastic	32
3	114-15E	114-3-03	Gray duct seam sealant	15
4, 5	114-33A	114-3-03	Brown cove base w/yellow mastic	33
6, 7	114-33B	114-3-02	" " " " " "	33
8	114-34A	114-3-02	2x4 suspended ceiling tile	34
9	114-34B	114-3-04	" " " "	34
10	114-10E	114-3-03	12x12 Floor tile	10
11	114-11E	114-3-03	Black mastic on 12x12	11
12	114-35A	114-3-06	Brown duct seam sealant	35
13	114-36A	114-3-06	Flex connector	36
14	114-37A	114-3-02	Sheetrock	37
15	114-38A	114-3-0[illegible]	[illegible]	[illegible]

504111411

Relinquished by:		Date/Time: 11/23/04	
Received by:		Date/Time: 11/24/04 1000	
Relinquished by:		Date/Time:	
Received by:		Date/Time: 12/24/04 11:30	
Relinquished by:		Date/Time:	

8 SCHOOL STREET
WEYMOUTH, MA 02189
(781) 337-9334
FAX: (781) 337-7642

Project Name:	GE Plastics Bldgs. 107-115				
Project Number:	81.01398.0042				
Project Address:	Bldg. 114 – Exterior				
Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date:	11/22/04
Positive Stop:	No	Project Manager:	Derrick Wissman		
Turnaround Time	5 Days	Results To:	Edward Kolodziej		
Fax Copy By:	413-525-8227			Emergency Pager:	
Hard Copy By:	413-525-1198			Additional Fax No.	
Special Instructions or Comments	**Analyze all Layers**				

	Lab ID	Field ID	Location	Sample Description
X	1	114-EXT-01A	Roof	Silver Paint on Rubber with Felt Layers underneath
	2	114-EXT-01B	Roof	Silver Paint on Rubber with Felt Layers underneath
X	3	114-EXT-02A	Roof	Tar on Metal Deck
X	4	114-EXT-03A	Roof	Seam Caulking on Roof
	5	114-EXT-03B	Roof	Seam Caulking on Roof
X	6	114-EXT-04A	Roof	Red Duct Sealant
	7	114-EXT-04B	Roof	Red Duct Sealant 20412 3126
X	8	114-EXT-05A	Roof	Door Caulking
X	9	114-EXT-06A	Roof	Flashing
	10	114-EXT-06B	Roof	Flashing
	11	114-EXT-07A	Roof	Gray Flashing Cement
X	12	114-EXT-08A	Roof	Gray Duct Sealant
	13	114-EXT-08B	Roof	Gray Duct Sealant
	14	114-EXT-09A	Roof	Flex Connector
	15	114-EXT-10A	Roof	Flashing Cement (Support Blocks)
X	16	114-EXT-11A	Roof	Flashing Cement (under rubber on metal roof)
X	17	114-EXT-12A	Roof	Adhesive on rubber roof over metal deck

504111411

Relinquished by:		Date/Time: 11/23/04	[redacted]
Received by:		Date/Time: 11/24/04 1000	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	8 SCHOOL STREET WEYMOUTH, MA 02189 (781) 337-9334 FAX: (781) 337-7642
Relinquished by:		Date/Time:	
Project Name:	GE Plastics Bldgs. 107-115		
Project Number:	81.01398.0042		
Project Address:	Bldg. 114 – Exterior		

Analysis Type:	PLM	Sampled By:	Edward Kolodziej	Date: 11/22/04
Positive Stop:	No	Project Manager:	Derrick Wissman	
Turnaround Time	5 Days	Results To:	Edward Kolodziej	
Fax Copy By:	413-525-8227		Emergency Pager:	
Hard Copy By:	413-525-1198		Additional Fax No.	

Special Instructions or Comments **Analyze all Layers**

Lab ID	Field ID	Location	Sample Description
18	114-EXT-13A	Roof	Black Tar on Metal Seam on Metal Roof
19	114-EXT-14A	Roof	White Duct Sealant

X

204123126

ATTACHMENT J

SUMMARY OF ASBESTOS RESULTS

(BUILDING 115)

Asbestos & Lead Inspection Report
GE Advanced Materials
Site No. 1 Demolition Project
Pittsfield, Massachusetts

December 29, 2004

BUILDING 115

SUMMARY OF POSITIVE ASBESTOS-CONTAINING MATERIALS

BUILDING 115

SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
#115-01	Fire Doors	4 EA	
#115-03	Gaskets	20 EA	
Exterior Roofing	Felts And Flashings	2,000 SF	Includes entire roof as ACM.

Asbestos & Lead Inspection Report
GE Advanced Materials
Site No. 1 Demolition Project
Pittsfield, Massachusetts

December 29, 2004

BUILDING 115

SUMMARY OF NEGATIVE ASBESTOS-CONTAINING MATERIALS

BUILDING 115 SUMMARY OF NEGATIVE ASBESTOS-CONTAINING MATERIALS	
LOCATION	**MATERIAL**
#115-01	Sheetrock and joint compound
#115-01	Duct sealant
#115-01	Bituminous pad in floor/wall seam by Room #115-02
#115-01	Fiberglass with pvc and rubber pipe insulations
#115-02	Sheetrock and joint compound
#115-02	2x4 ceiling tiles
#115-02	Carpet adhesive
Exterior Walls	Paint
Exterior Walls	Roll-up door frame caulking

BUILDING 115

LABORATORY REPORTS/CHAIN-OF-CUSTODY (PLM)

AMERI SCI

AmeriSci Boston
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/19/04
Date Examined 11/24/04

AmeriSci Job No.504111345
P.O. # 05-81-0015

RE G.E. Pittsfield, Bldg. 115; G.E. Pittsfield, Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
115-01A 1	504111345-01 **Location:** Bldg. 115 - Rm. 115-01	*No*	NAD

Description: Grey/Brown, Homogeneous, Sheetrock
Asbestos Types:
Other Material: Cellulose 15. %, Non-fibrous 85. %

115-02A 2	504111345-02 **Location:** Bldg. 115 - Rm. 115-01	*No*	NAD

Description: Dark Grey, Homogeneous, Fire Blanket
Asbestos Types:
Other Material: Cellulose 20. %, Synthetic fibers 60. %, Non-fibrous 20. %

115-01B 1	504111345-03 **Location:** Bldg. 115 - Rm. 115-02	*No*	NAD

Description: Grey/Brown, Homogeneous, Sheetrock
Asbestos Types:
Other Material: Cellulose 15. %, Non-fibrous 85. %

115-03A 3	504111345-04 **Location:** Bldg. 115 - Rm. 115-01	*No*	NAD

Description: Off-White, Homogeneous, Joint Compound
Asbestos Types:
Other Material: Non-fibrous 100. %

115-01C 1	504111345-05 **Location:** Bldg. 115 - Rm. 115-01	*No*	NAD

Description: Grey/Brown, Homogeneous, Sheetrock
Asbestos Types:
Other Material: Cellulose 15. %, Non-fibrous 85. %

AMERI SCI

AmeriSci Boston
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/19/04
Date Examined 11/24/04

AmeriSci Job No.504111345
P.O. # 05-81-0015

RE G.E. Pittsfield, Bldg. 115; G.E. Pittsfield, Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
115-04A 4	504111345-06 **Location:** Bldg. 115 - Rm. 115-02	*No*	NAD

Description: Grey/Off-White, Homogeneous, 2'x4' Suspended CT
Asbestos Types:
Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %

115-04B 4	504111345-07 **Location:** Bldg. 115 - Rm. 115-02	*No*	NAD

Description: Grey/Off-White, Homogeneous, 2'x4' Suspended CT
Asbestos Types:
Other Material: Cellulose 35. %, Fibrous glass 35. %, Non-fibrous 30. %

115-05A 5	504111345-08 **Location:** Bldg. 115 - Rm. 115-02	*No*	NAD

Description: Yellow, Homogeneous, Carpet Adhesive
Asbestos Types:
Other Material: Non-fibrous 100. %

115-06A 6	504111345-09 **Location:** Room 115-01 (In Floor/Wall Seam)	*No*	NAD

Description: Dark Brown, Homogeneous, Bituminous Pad
Asbestos Types:
Other Material: Cellulose 30. %, Fibrous glass Trace, Non-fibrous 70. %

115-07A 7	504111345-10 **Location:** Exterior	*No*	NAD

Description: Tan, Homogeneous, Wall Paint
Asbestos Types:
Other Material: Non-fibrous 100. %

AMERI SCI

AmeriSci Boston
8 SCHOOL STREET
WEYMOUTH, MA 02189
TEL: (781) 337-9334 • FAX: (781) 337-7642

PLM Bulk Asbestos Report

ATC Associates, Inc., East Longmeadow
Attn: Sandy Fabian
39 Spruce Street
1st Floor
East Longmeadow, MA 01028

Date Received 11/19/04
Date Examined 11/24/04

AmeriSci Job No.504111345
P.O. # 05-81-0015

RE G.E. Pittsfield, Bldg. 115; G.E. Pittsfield, Bldgs. 107-115

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
115-07B 7	504111345-11	*No*	NAD

Location: Exterior
Description: Tan, Homogeneous, Wall Paint
Asbestos Types:
Other Material: Non-fibrous 100. %

5-07C 7	504111345-12	*No*	NAD

Location: Exterior
Description: Tan, Homogeneous, Wall Paint
Asbestos Types:
Other Material: Non-fibrous 100. %

115-08A 8	504111345-13	*No*	NAD

Location: Exterior Roll Up Doors
Description: Off-White, Homogeneous, Door Frame Caulking
Asbestos Types:
Other Material: Non-fibrous 100. %

Reporting Notes:

Analyzed by: Steven P. Grise SPG; Date Analyzed: 11/24/04

*NAD/NSD = no asbestos detected; NVA = no visible asbestos; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #102079-0); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: JBS

Relinquished by:	Greg Morsch	Date/Time:	11/15/04
Received by:	Angela Mezynski	Date/Time:	11/18/04 945
Relinquished by:		Date/Time:	
Received by:		Date/Time:	
Relinquished by:		Date/Time:	
Received by:		Date/Time:	

[redacted]

Company Name:	ATC Associates, Inc.	Ameri Sci Emergency Pagers	8 SCHOOL STREET
Company Address:	39 Spruce Street	(781) 317-1522	WEYMOUTH, MA 02189
City: East Longmeadow	State: MA Zip: 01028	(781) 649-2873	(781) 337-9334 FAX (781) 337-7642

Phone: (413) 525-2332	Project Name: GE Bldgs 107-115	Analysis Type: (PLM & TEM)
Fax: (413) 525-8227	Project Address: GE Pittsfield	Positive Stop: Yes (No)
Results to: Sandy Fabian	Project Manager: ~~Adam Lesko~~ D. Wissman	Turnaround Time: 5 Days
Verbal Results: Yes No	Project Number: TBA	Fax Copy by:
Cell or Pager #:	Sampled by: Greg Morsch Date: 11/15/04	Return Samples: Yes No
Site Fax:		
Additional Fax:	Special Instructions or Comments: BLDG 115	

Lab ID	Field ID	Location	Sample Description	Homogenous Area #
	115-01A	Bldg 115-Rm 115-01	~~HS~~ Sheetrock	1
	115-02A	Rm 115-01	Fire blanket	2
	115-01B	Bldg 115 Rm 115-02	Sheetrock	1
	115-03A	Rm 115-01	Joint Compound	3
	115-01C	Rm 115-01	Sheetrock	1
	115-04A	Rm 115-02	2x4 Suspended ceiling tile	4
	115-04B	Rm 115-02	" " " "	4
	115-05A	" " "	Carpet adhesive	5
	115-06A	Room 115-01	Bituminous pad in floor/wall seam	6
	115-07A	Exterior	Wall Paint	7
	115-07B	↓	" "	7
	115-07C	↓	" "	7
	115-08A	Exterior Roll-up 2ES	Door frame caulking	8

BUILDING 115

LABORATORY REPORTS/CHAIN-OF-CUSTODY (TEM)

BUILDING 115

NO TEM SAMPLING REQUIRED

ATTACHMENT K

DRAWINGS (BUILDING 107-115)

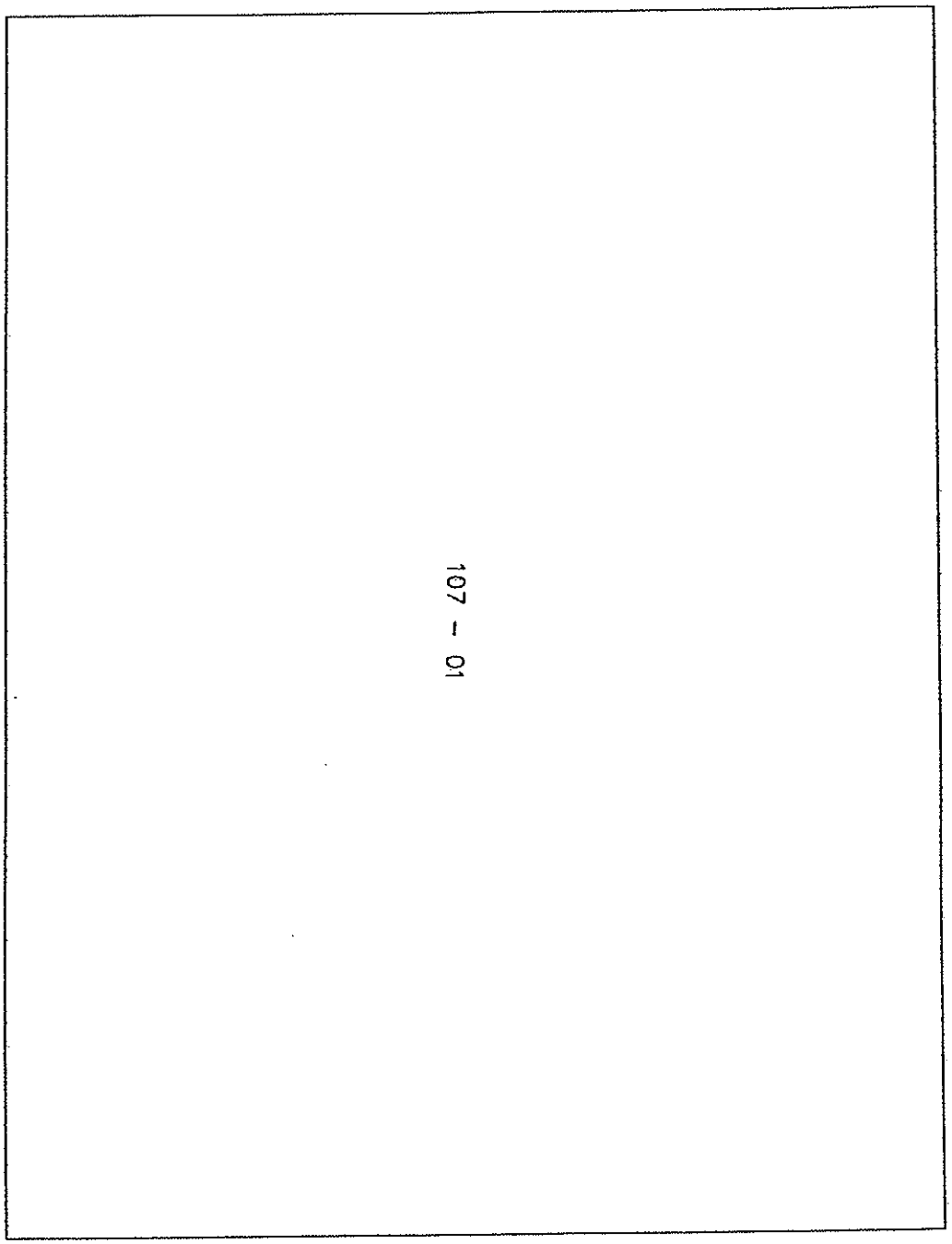


FIGURE: D1

ATC ASSOCIATES INC.
36 SPRUCE STREET
LOWELL, MA

FLOOR PLAN

GE PLASTICS – BUILDING 107

PITTSFIELD, MASSACHUSETTS

PROJECT NUMBER: 51.04676.00.		DRAFTSMAN: D. Abad
DRAWING NUMBER: 01		CHKD. BY: DJW
DATE: 12-9-04		APP'D BY: DJW
SCALE: NTS		REV. DATE: 12-9-04

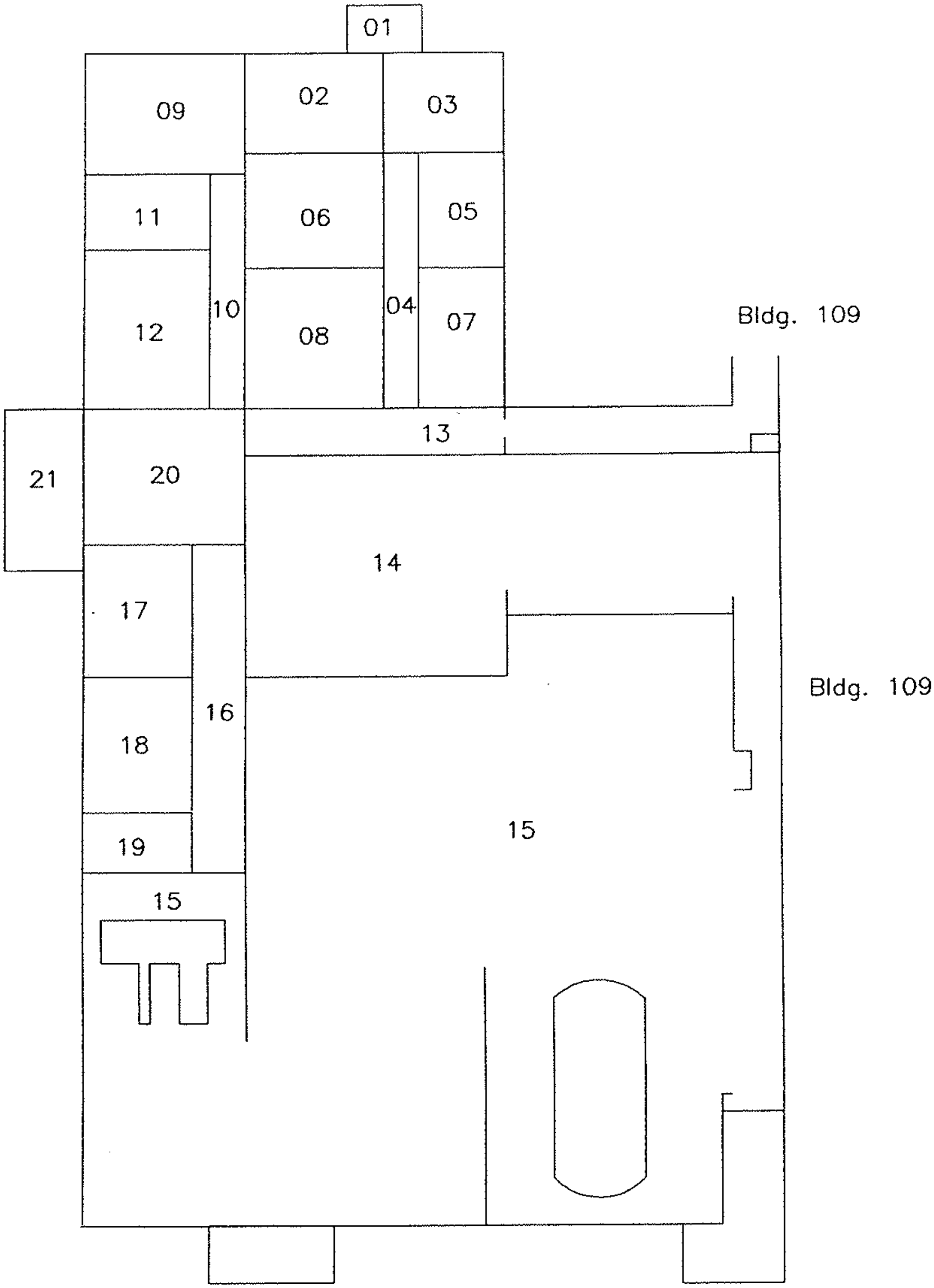


FIGURE: D1

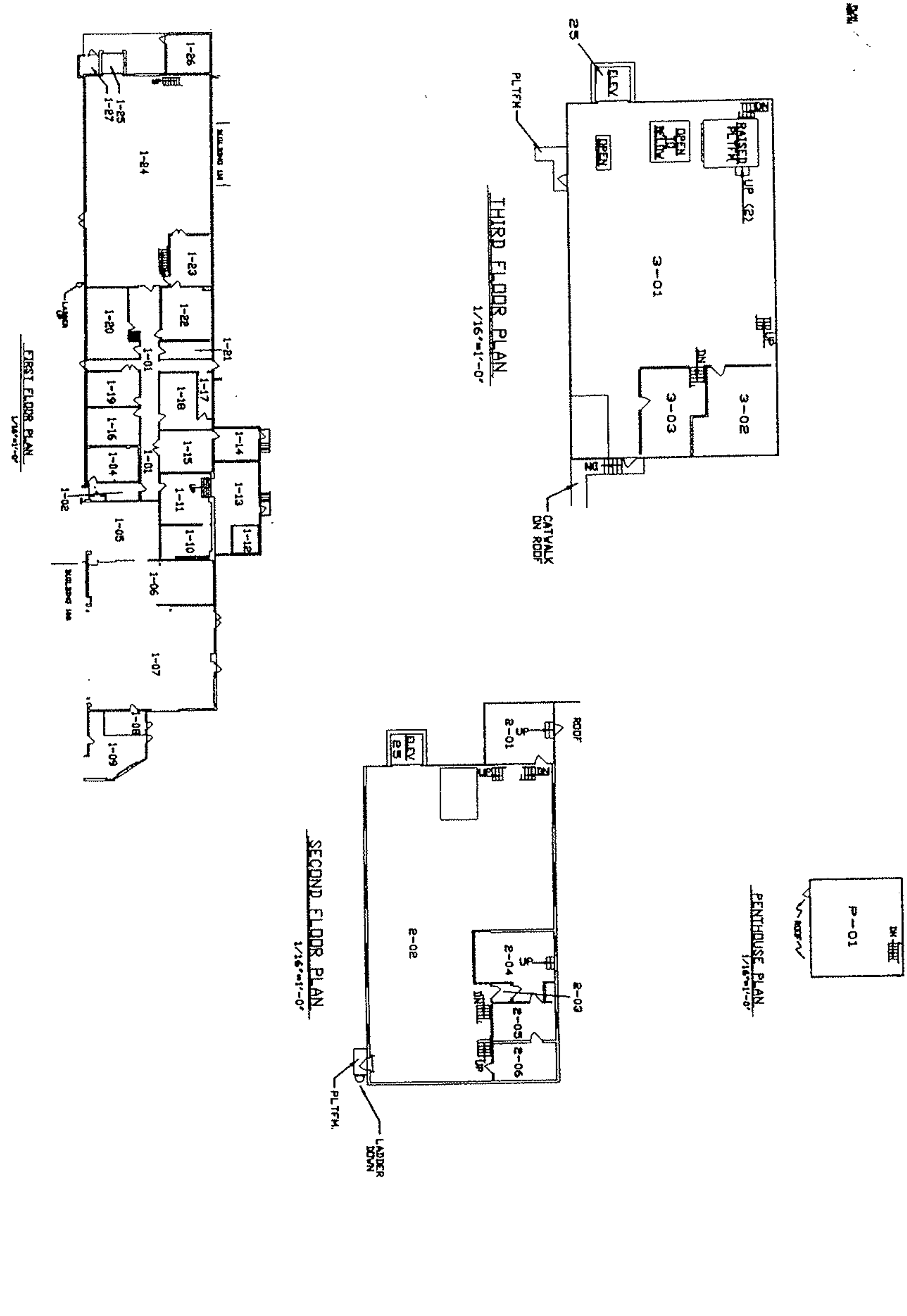
ATC ASSOCIATES INC
38 SPRUCE STREET
E. LONGMEADOW, MA

FLOOR PLAN

GE PLASTICS – BUILDING 108

PITTSFIELD, MASSACHUSETTS

PROJECT NUMBER: 81.04878.00		DRAFTSMAN: E.K.
DRAWING NUMBER: 01		CHK. BY: DJW
DATE:	12–9–04	APP'D BY: DJW
SCALE:	NTS	CKD. DATE: 12–9–04



FLOOR PLAN

GE PLASTICS – BUILDING 109

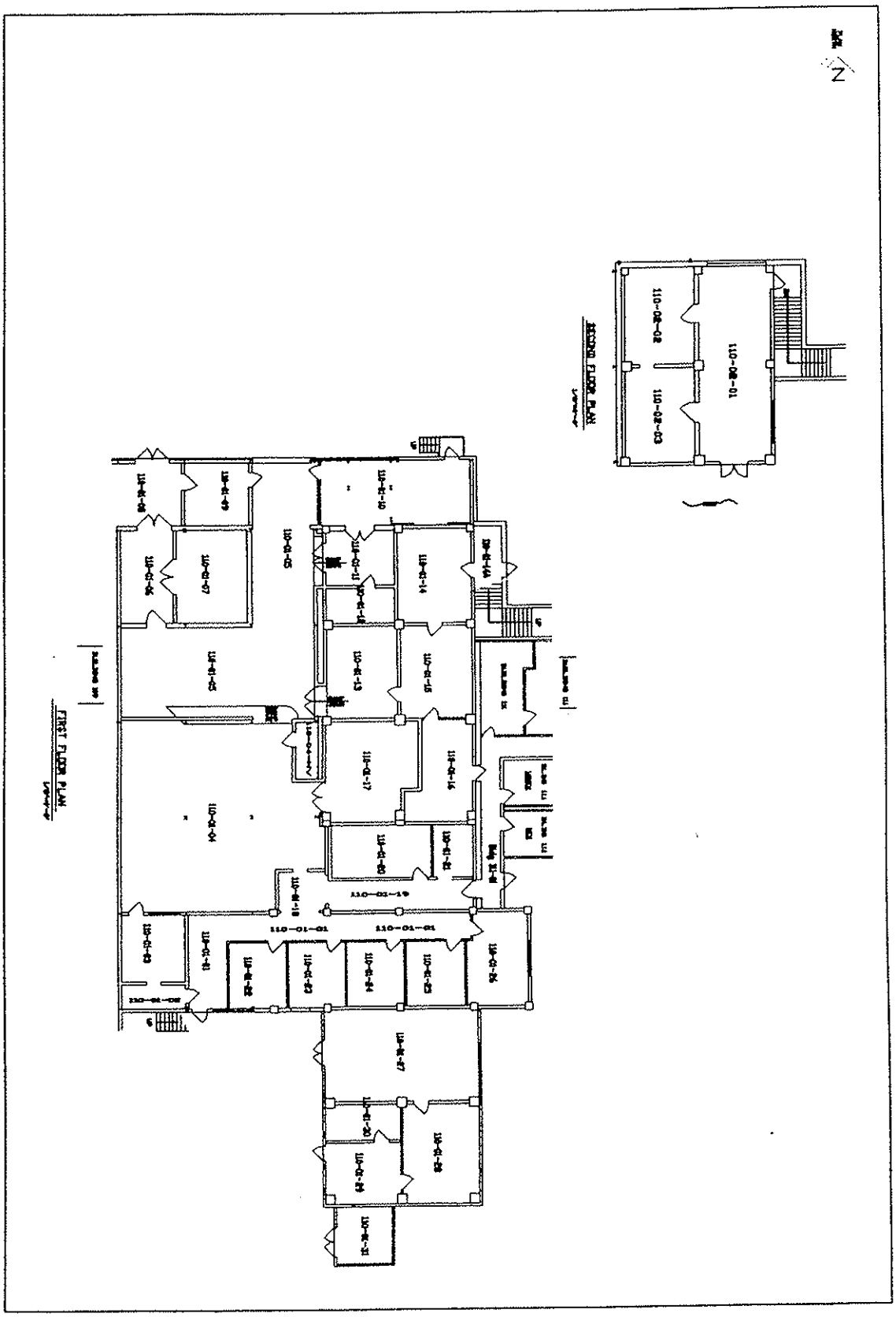
PITTSFIELD, MASSACHUSETTS

ATC ASSOCIATES INC
E. LONGMEADOW, MA

FIGURE: D1

PROJECT NUMBER:	81.01398.0042
DRAWING NUMBER:	D1
DATE:	12-9-04
SCALE:	NTS

DRAFTSMAN	D. Abad
CKD. BY:	DJW
APP'D BY:	DJW
CKD. DATE:	12-9-04



FLOOR PLAN – 1st & 2nd Floors

GE PLASTICS – BUILDING 110

PITTSFIELD, MASSACHUSETTS

PROJECT NUMBER:	81.01398.0042
DRAWING NUMBER:	D1
DATE:	12-9-04
SCALE:	NTS
DRAFTSMAN:	D. Abod
CHK. BY:	DJW
APP'D BY:	DJW
CHK. DATE:	12-9-04

FIGURE: D1

ATC ASSOCIATES INC.
ENVIRONMENTAL & ENGINEERING CONSULTANTS

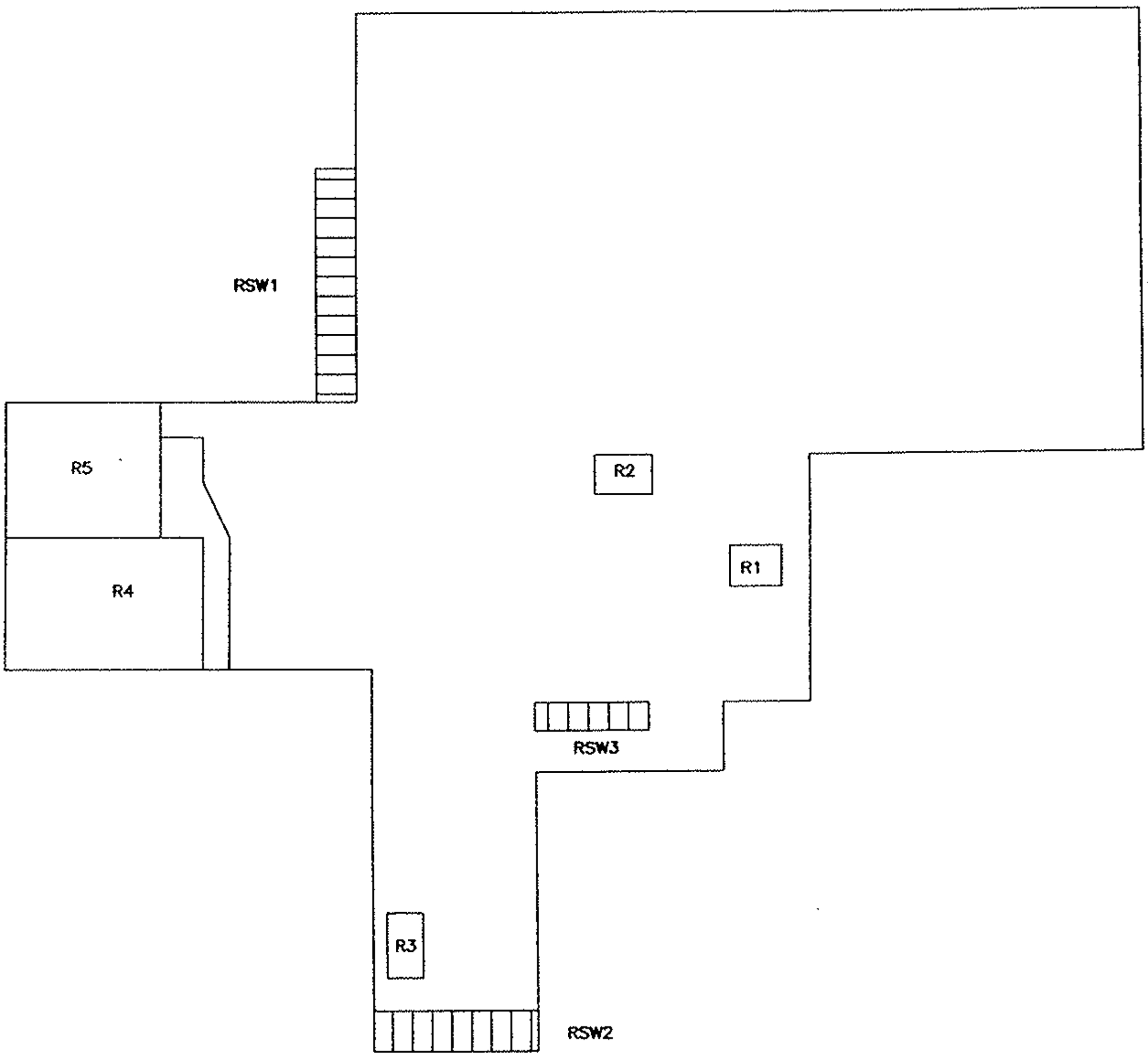


FIGURE: D1

ATC ASSOCIATES INC
36 SPRUCE STREET
E. LONGMEADOW, MA

FLOOR PLAN

GE PLASTICS – BUILDING 110

Roof – 1st Level

PITTSFIELD, MASSACHUSETTS

PROJECT NUMBER:	81.04878.00	DRAFTSMAN:	E.K.
DRAWING NUMBER:	D1	CKD. BY:	DJW
DATE:	12-9-04	APP'D BY:	DJW
SCALE:	NTS	CKD. DATE:	12-9-04

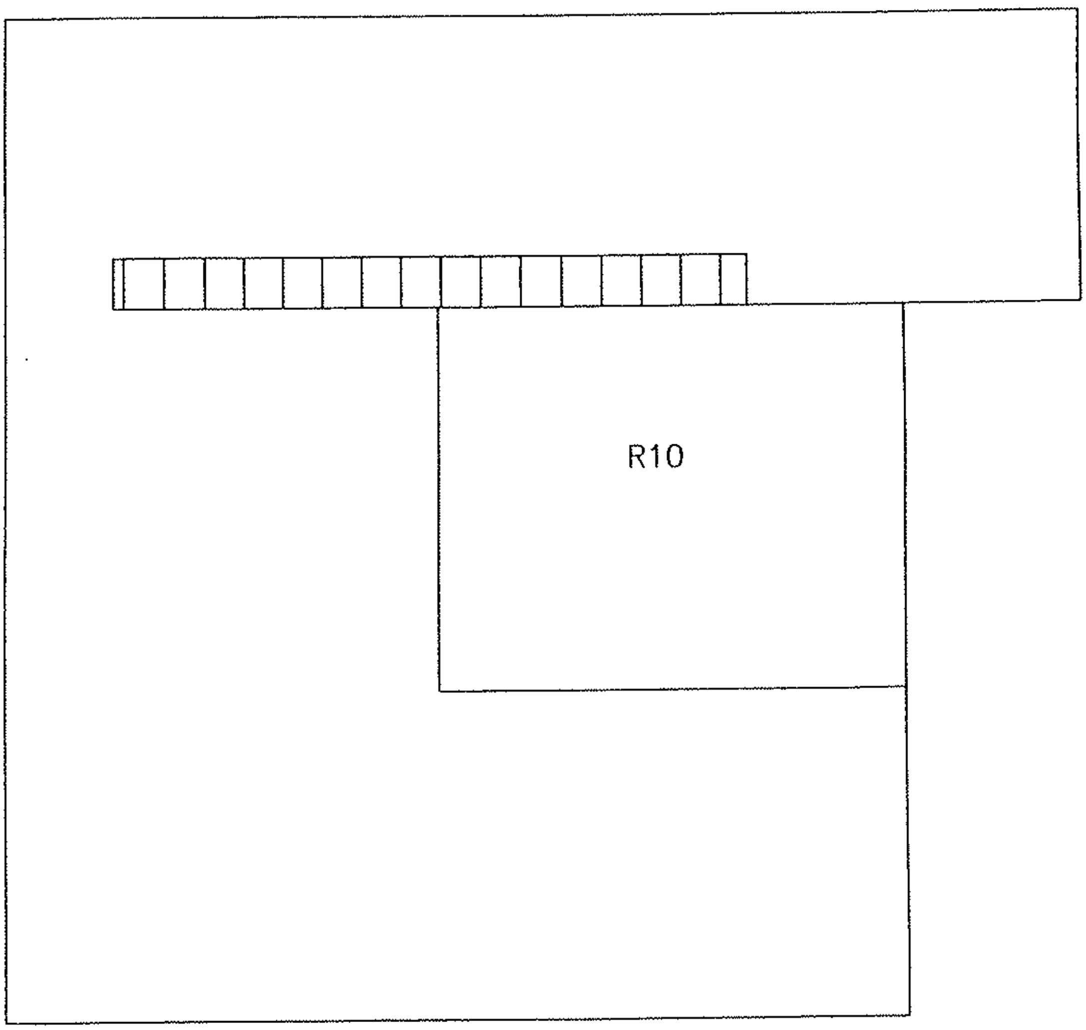


FIGURE: D1

ATC ASSOCIATES INC
30 SPRUCE STREET
E. LONGMEADOW, MA

FLOOR PLAN

GE PLASTICS – BUILDING 110

Roof – 2ND Level

PITTSFIELD, MASSACHUSETTS

PROJECT NUMBER:	81.04878.00	DRAFTSMAN:	E.K.
DRAWING NUMBER:	D1	CKD. BY:	DJW
DATE:	12-9-04	APP'D BY:	DJW
SCALE:	NTS	ORG. DATE:	12-9-04

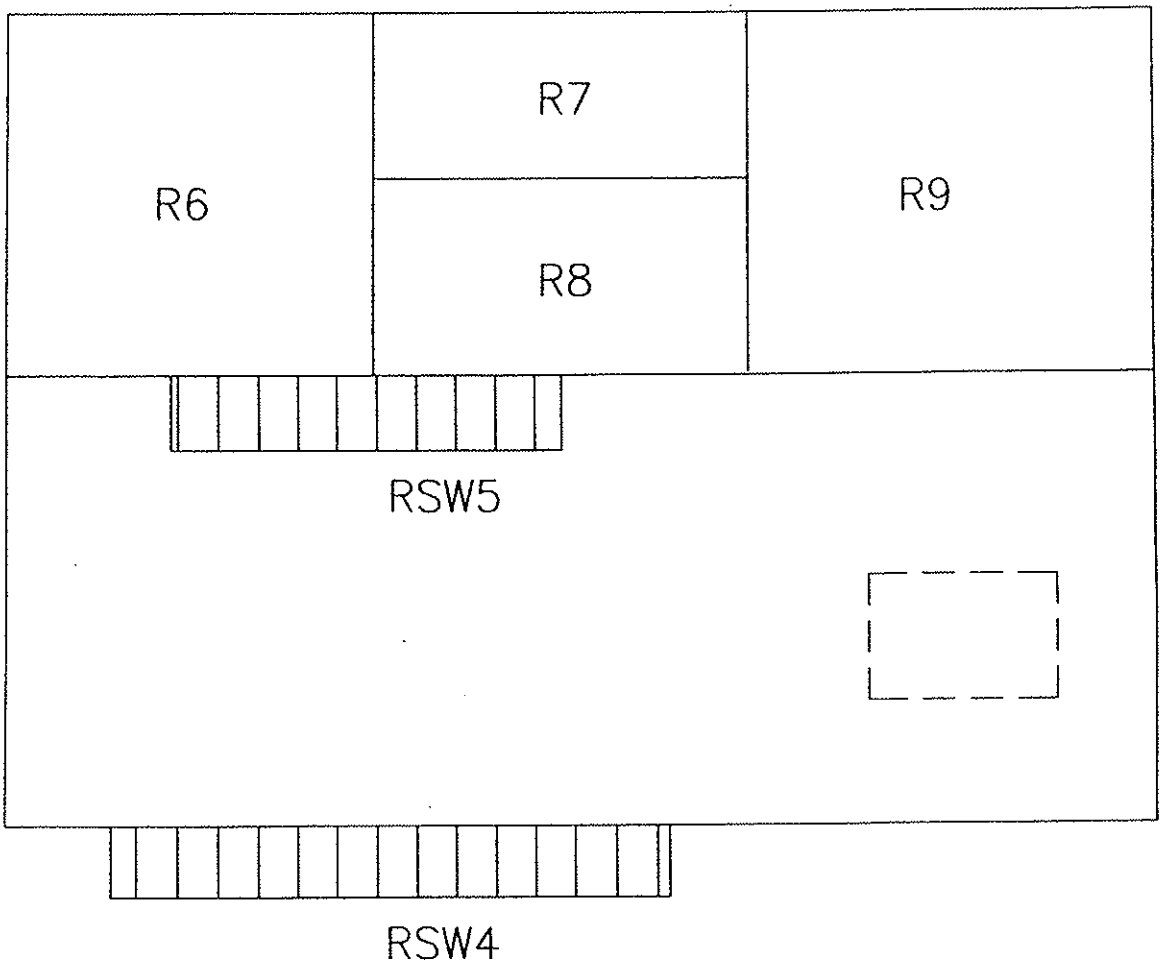


FIGURE: D1

ATC ASSOCIATES INC.
46 SPRUCE STREET
N. LONSDALE, RI.

FLOOR PLAN
GE PLASTICS – BUILDING 110
Roof – 3RD Level
PITTSFIELD, MASSACHUSETTS

PROJECT NUMBER:	81.04876.00
DRAWING NUMBER:	D1
DATE:	12-9-04
SCALE:	NTS
DRAFTSMAN:	E.K.
DES. BY:	DJW
APP'D BY:	DJW
ORG. DATE:	12-9-04

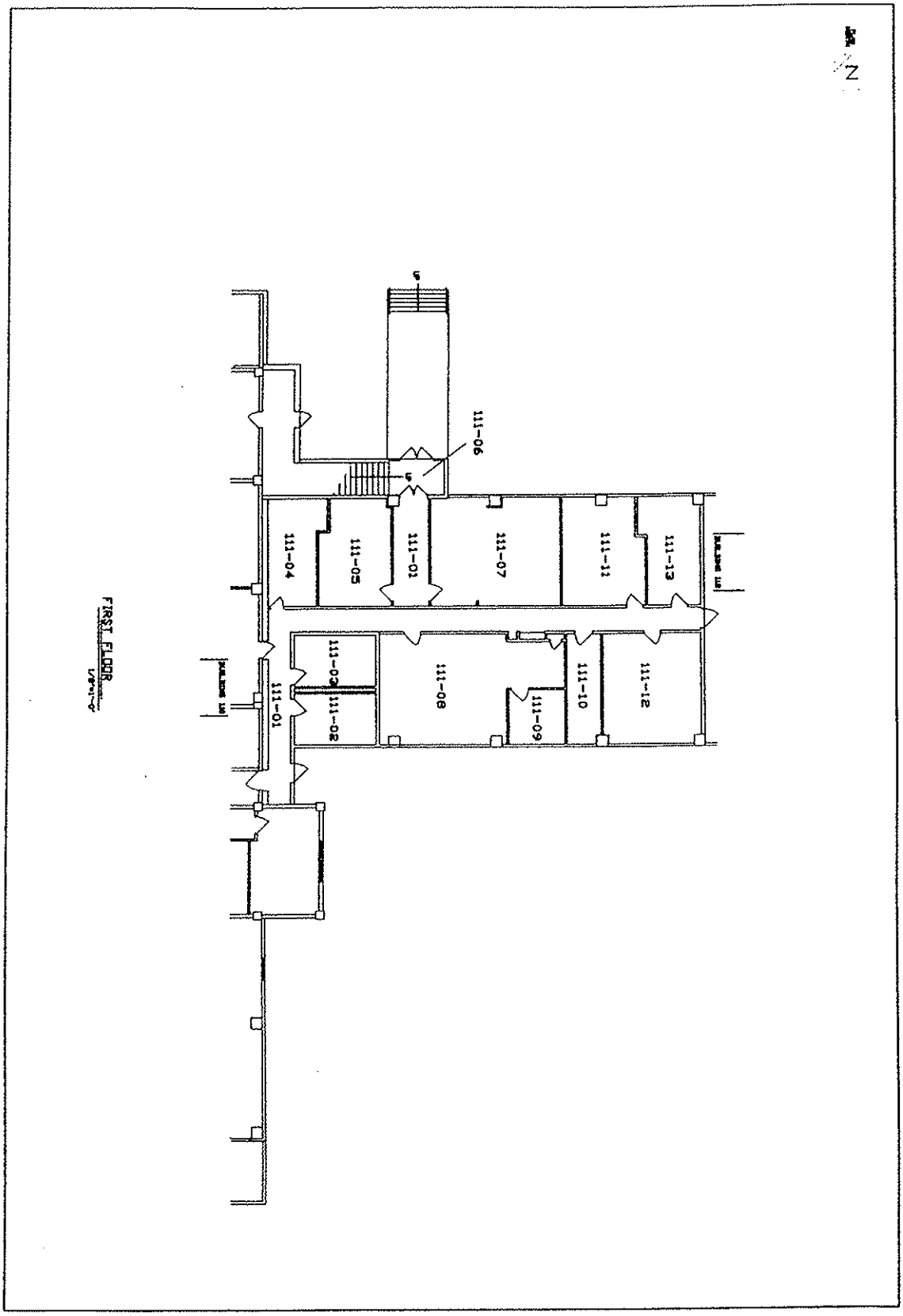


FIGURE: D1

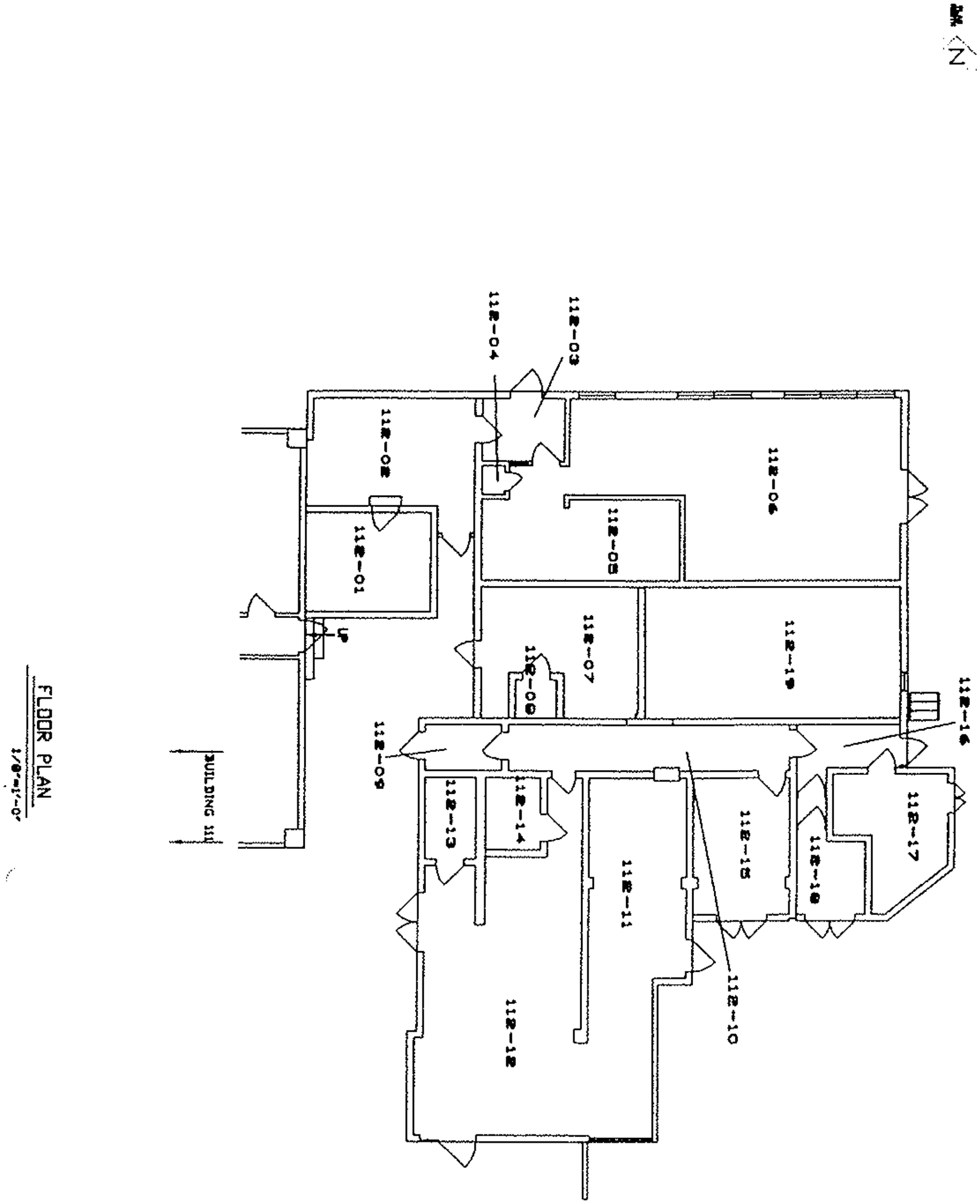
ATC ASSOCIATES INC.
36 SPRUCE STREET
E. LONGMEADOW, MA

FLOOR PLAN

GE PLASTICS – BUILDING 111

PITTSFIELD, MASSACHUSETTS

PROJECT NUMBER:	81.04578.00	DRAFTSMAN:	D. Abad
DRAWING NUMBER:	D1	CHKD. BY:	DJW
DATE:	12-9-04	APP'D BY:	DJW
SCALE:	NTS	CHKD. DATE:	12-9-04



ATC ASSOCIATES INC
36 SPRUCE STREET
E. LONGMEADOW, MA

FIGURE: D1

FLOOR PLAN

GE PLASTICS — BUILDING 112

PITTSFIELD, MASSACHUSETTS

PROJECT NUMBER:	81.001396.0042	DRAFTSMAN:	D. Abad
DRAWING NUMBER:	D1	CKD. BY:	DJW
DATE:	12-8-04	APP'D BY:	DJW
SCALE:	NTS	CKD. DATE:	12-8-04

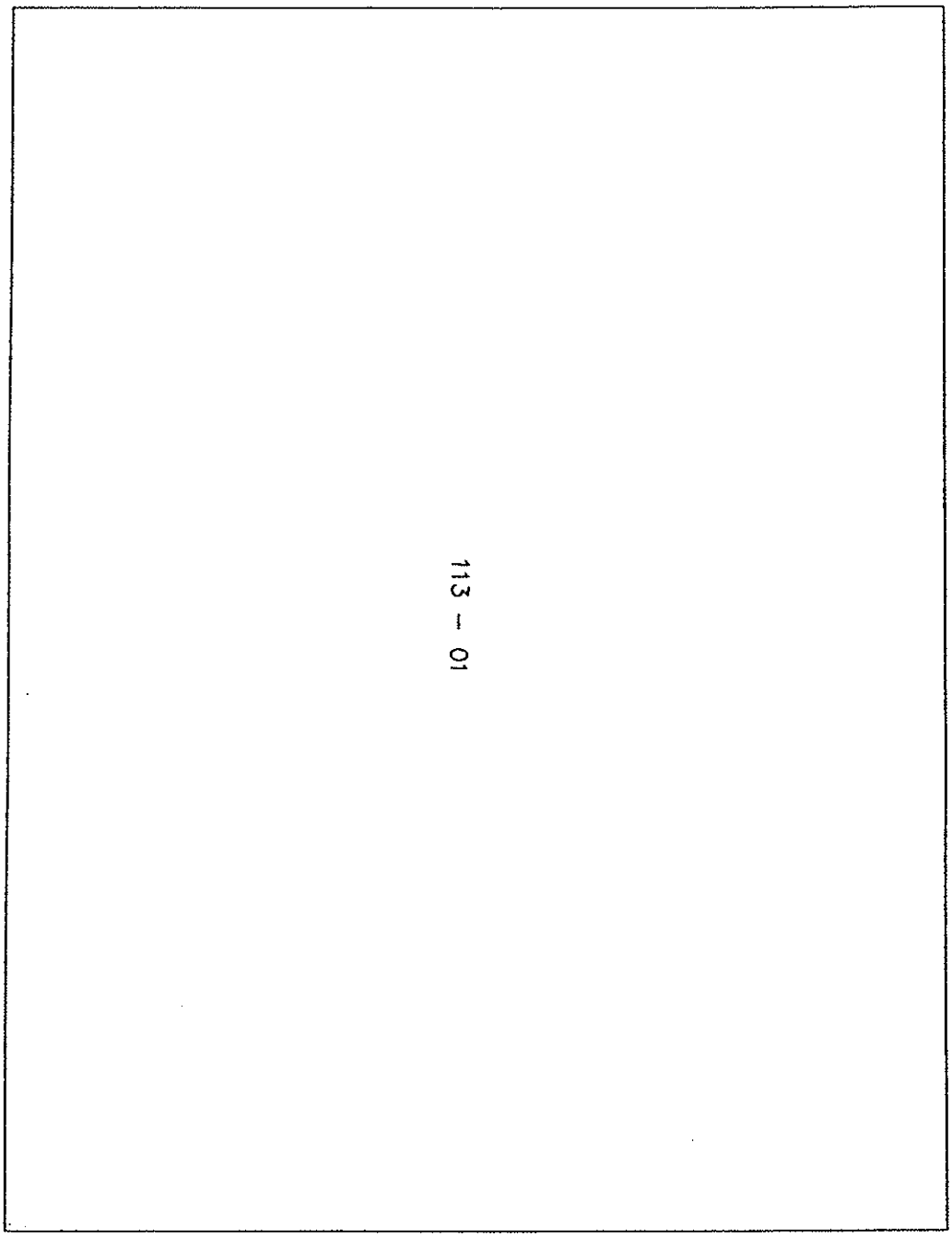


FIGURE: D1

ATC ASSOCIATES INC.
36 SPRUCE STREET
E. LONGMEADOW, MA

FLOOR PLAN

GE PLASTICS -- BUILDING 113

PITTSFIELD, MASSACHUSETTS

PROJECT NUMBER:	81.04678.00	DRAFTSMAN: D. Abad
DRAWING NUMBER:	D1	CHKD. BY: DJW
DATE:	12-9-04	APP'D. BY: DJW
SCALE:	NTS	REV. DATE: 12-9-04

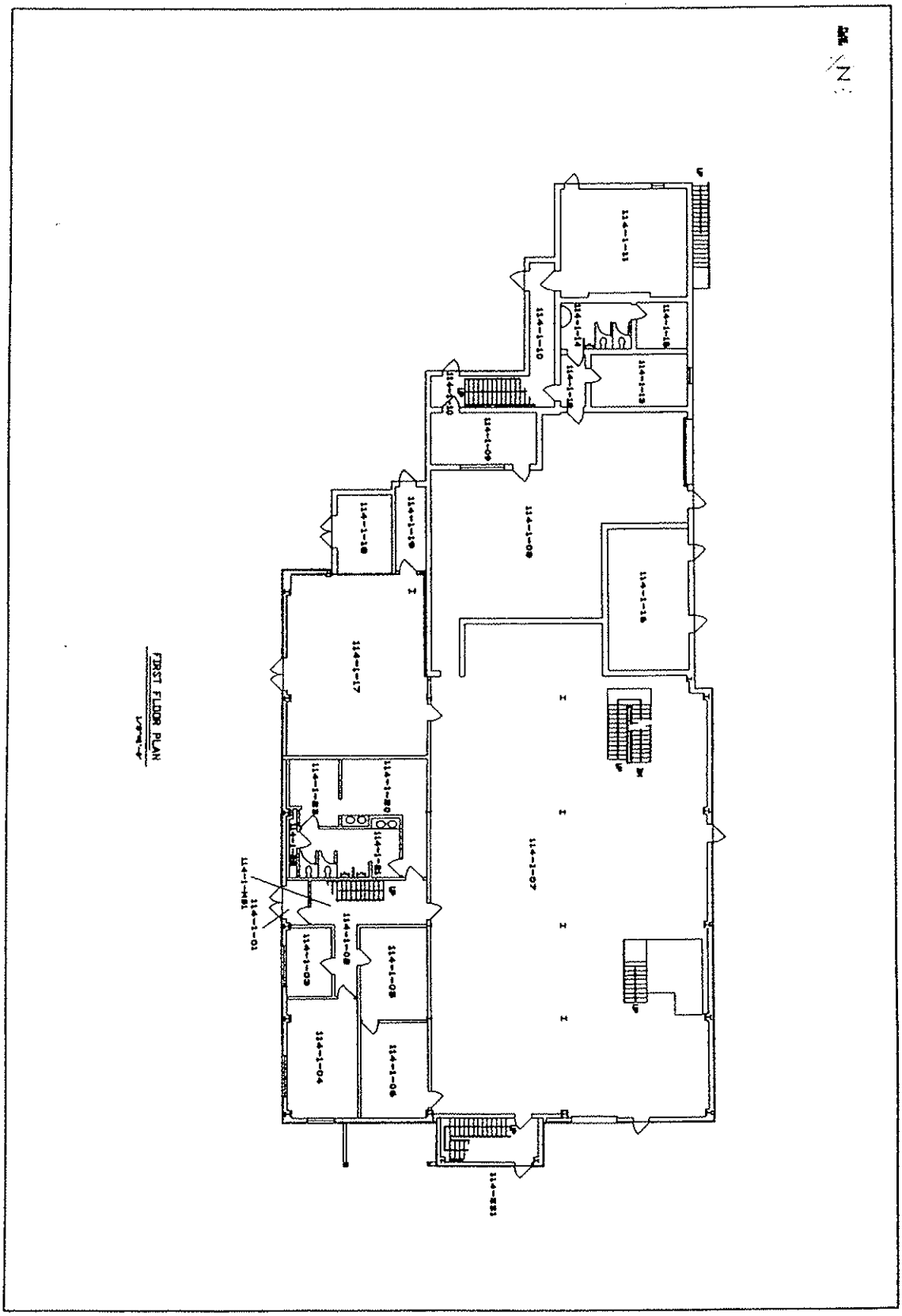


FIGURE: D1

ATC ASSOCIATES INC.
35 SPRUCE STREET
LUNENBURG, MA

FIRST FLOOR PLAN

GE PLASTICS – BUILDING 114

PITTSFIELD, MASSACHUSETTS

PROJECT NUMBER:	81.001396.0004
DRAWING NUMBER:	D1
DATE:	12-9-04
SCALE:	NTS

DRAFTSMAN: D. Abod
DES. BY: DJW
APP'D BY: DJW
2ND. DATE: 12-9-04

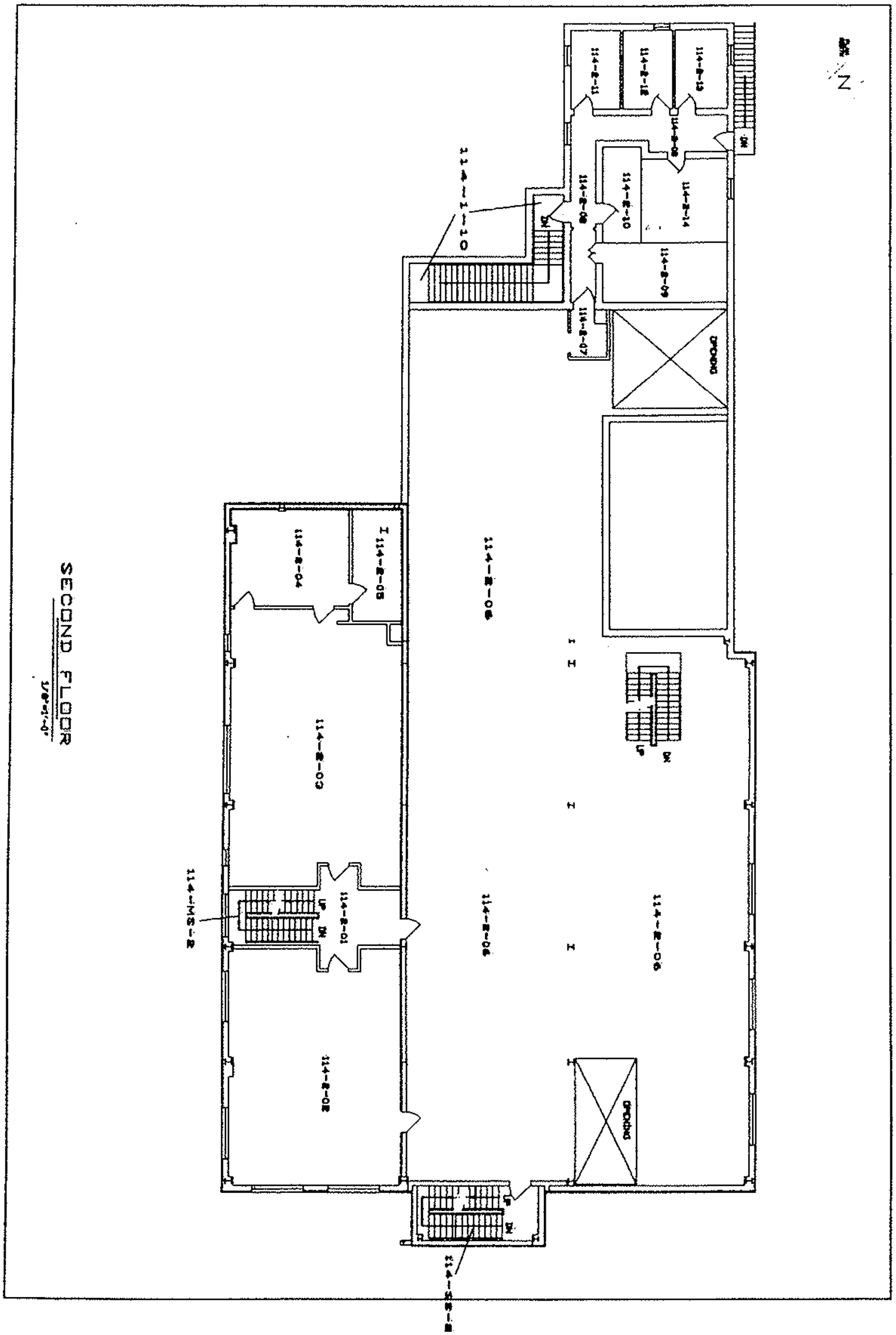


FIGURE: D1	ATC ASSOCIATES INC.	SECOND FLOOR PLAN GE PLASTICS — BUILDING 114 PITTSFIELD, MASSACHUSETTS	PROJECT NUMBER: 81.01396.0042 DRAWING NUMBER: D1 DATE: 12-9-04 SCALE: NTS
			DRAFTSMAN: D. Abod CKD. BY: DJW APP'D BY: DJW CKD. DATE: 12-9-04

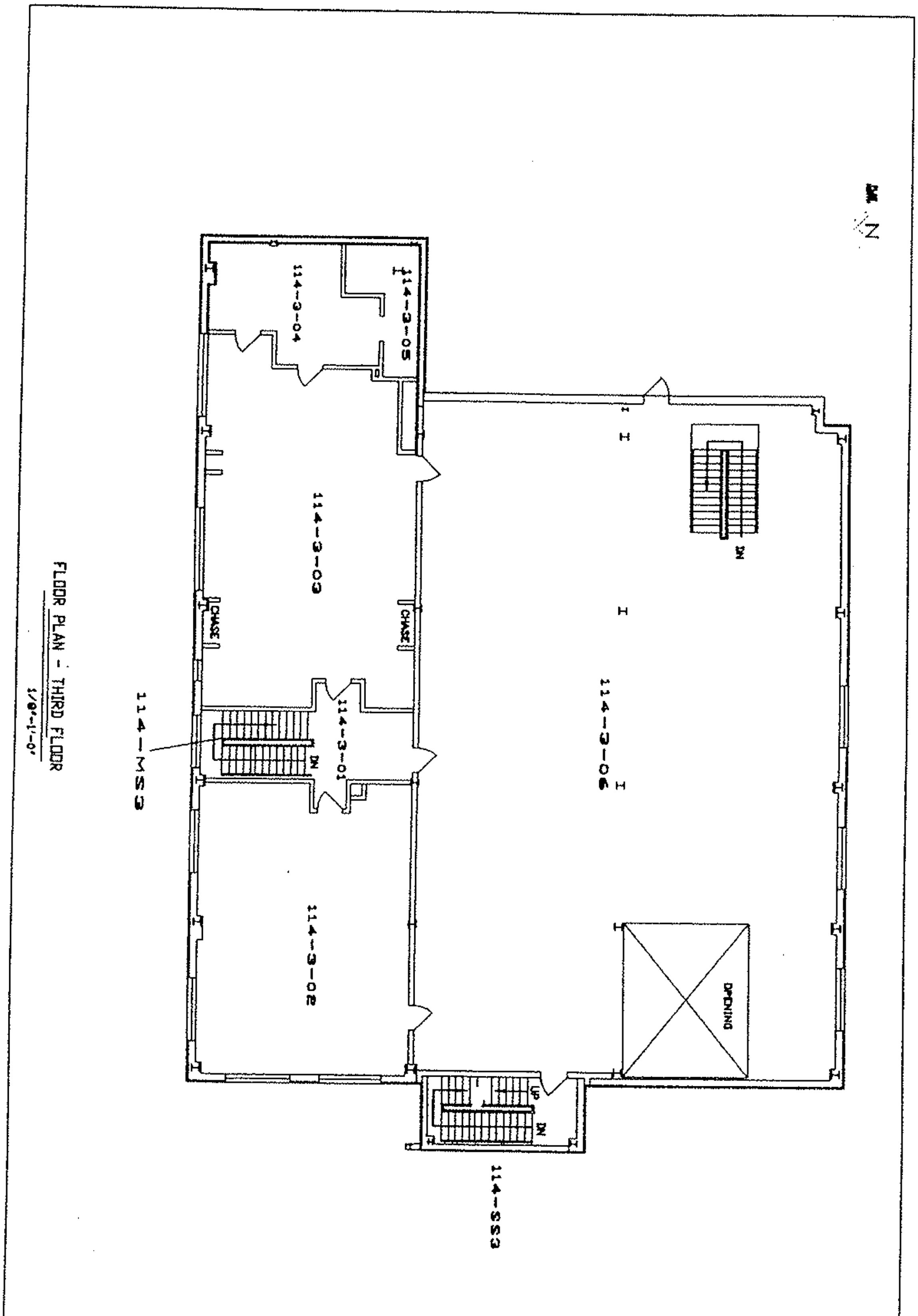


FIGURE: D1	THIRD FLOOR PLAN GE PLASTICS – BUILDING 114 PITTSFIELD, MASSACHUSETTS	PROJECT NUMBER: 81.001306.004 DRAWING NUMBER: D1 DATE: 12-9-04 SCALE: NTS	DRAFTSMAN: D. Abad CHK. BY: DJW APP'D BY: DJW CKD. DATE: 12-9-04

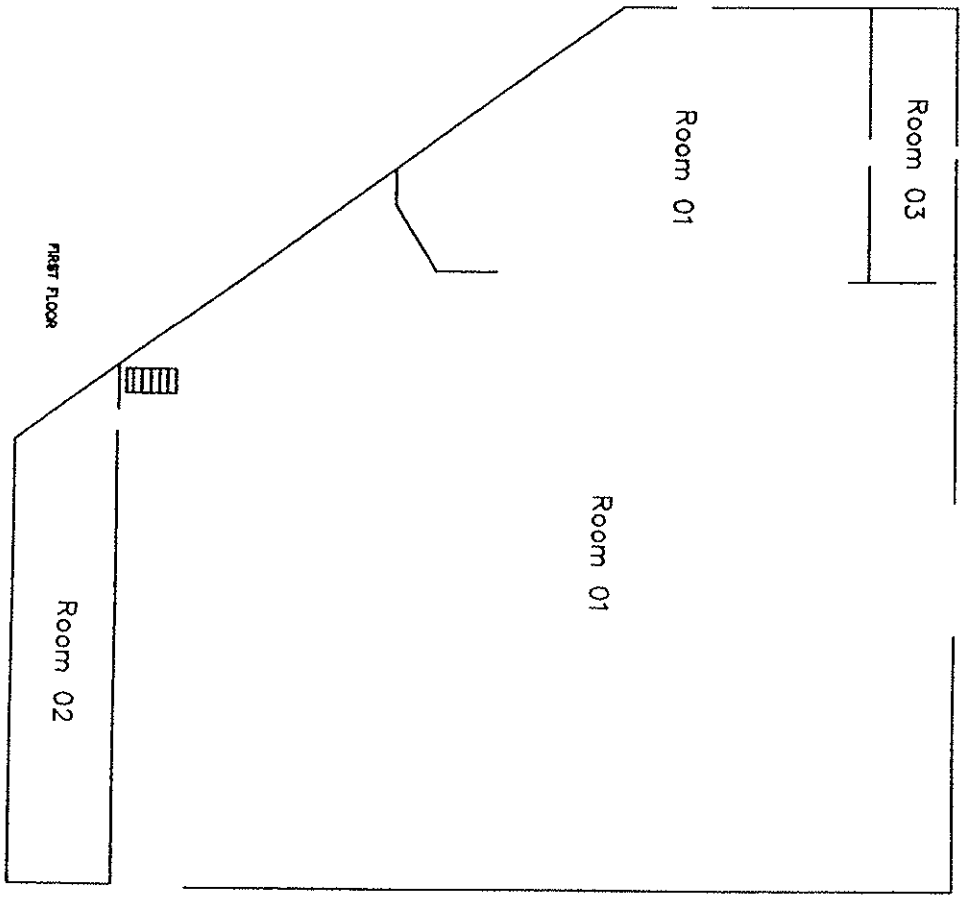


FIGURE: D1

ATC ASSOCIATES INC.
16 SPRUCE STREET
E. LONGMEADOW, MA.

FLOOR PLAN

GE PLASTICS – BUILDING 115

PITTSFIELD, MASSACHUSETTS

PROJECT NUMBER:	81.048758.00
DRAWING NUMBER:	D1
DATE:	12-8-04
SCALE:	NTS
DRAFTSMAN:	D. Abad
DES. BY:	DJW
APP'D BY:	DJW
END. DATE:	12-8-04

Decommissioning and Demolition Summary Report

Site No. 1

GE Advanced Materials
Pittsfield, Massachusetts

October 2005

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

Appendix D

Asbestos Abatement Final Report

BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

ASBESTOS ABATEMENT FINAL REPORT

FOR

BUILDING'S 107-115
(SITE 1 DEMOLITION PROJECT)
GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS

PREPARED FOR

BLASLAND, BOUCK & LEE ENVIRONMENTAL SERVICES
6723 TOWPATH ROAD
SYRACUSE, NEW YORK 13214-0066

PREPARED BY
ATC ASSOCIATES INC.
73 WILLIAM FRANKS DRIVE
WEST SPRINGFIELD, MASSACHUSETTS 01080

AUGUST 2005

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ATC ASSOCIATES INC.

Monitoring Firm:	ATC Associates Inc. 73 William Franks Drive West Springfield, Massachusetts 01089 (413) 525-1198
ATC Associates Inc. Representative:	Derrick Wissman, Senior Project Manger
Client:	Blasland, Bouck & Lee Environmental Services 6723 Towpath Road Syracuse, New York 13214-0066
Client Representative:	Mr. Bruce Eulian
Abatement Contractor:	Royal Environmental, Inc. P.O. Box 15719 Rochester, New York 14615
Contractor Representative:	Lyle Grant
Project Location:	GE Advanced Materials One Plastics Avenue Pittsfield, Massachusetts 01201
Services Performed by ATC Associates Inc.:	Asbestos project management, air monitoring, analysis, and final visual inspection of asbestos-containing materials, as per project specifications, change orders and state and federal regulations.

EXECUTIVE SUMMARY

ATC Associates Inc. (ATC) provided On-Site Project Management and Asbestos Project Monitoring Services during removal of asbestos-containing materials from GE Advanced Materials "Site 1 Demolition Project" (Buildings 107-115) located in Pittsfield, Massachusetts. All removal was performed in accordance with the Contract Documents and Technical Specifications developed by Blasland, Bouck & Lee Environmental Services (BBLES) and ATC.

Royal Environmental, Inc. (ROYAL) a Massachusetts Department of Labor and Workforce Development (DLWD) licensed asbestos contractor, performed the abatement services. ATC performed project management including review of contractor worker certification, interpretation of the abatement work, contractor oversight, daily collection and analysis of ambient and clearance air samples, and identification and quantification of ACM removed.

Prior to the start of abatement activities, ATC inspected the integrity of the enclosure to ensure compliance with all current asbestos abatement regulations. As the abatement project progressed, ATC monitored the Contractor's work practices, generating site logs, as well as collecting ambient air samples in areas surrounding the abatement work areas. All air samples collected during abatement activities were less than 0.01 fibers per cubic centimeter, well below acceptable levels established by regulations.

Once the Contractor removed all identified asbestos-containing materials from each work area, ATC performed a final visual inspection of all work areas to ensure the areas were decontaminated to a level of no visible debris in accordance with Massachusetts DLWD regulations at 453 CMR 6.00. ATC's on-site representative analyzed all Phase Contrast Microscopy (PCM) air samples, with all sample results satisfying the accepted final air clearance criteria of less than .01 fibers per cubic centimeter (Refer to Appendix B).

SCOPE OF WORK

The scope of the asbestos abatement included the removal of identified asbestos-containing materials in accordance with project specifications prepared by BBLES and ATC.

Refer to Appendix A (Tables 1.0 – 9.0) for the location and quantities of asbestos-containing materials removed by the Contractor at each building.

PROJECT DESCRIPTION

Work Sequence

The following lists the sequence for removal and decontamination of ACM:

- Mobilized equipment and personnel to job site (ATC and ROYAL).
- Posted warning signs to establish regulated work areas (ROYAL).
- Constructed engineering controls per current regulations (ROYAL).
- Performed pre-abatement inspection of Contractor engineering controls (ATC).
- Collected ambient air samples to monitor airborne fiber levels (ATC).
- Performed required abatement of asbestos-containing materials (ROYAL).
- Performed oversight of Contractor work practices (ATC).
- Performed proper removal and disposal of asbestos waste from the work areas (ROYAL).
- Performed visual inspections to ensure no visible debris remaining in work areas (ATC).
- Collected and analyzed PCM final air clearance samples (ATC).
- Disassembled and cleaned work area (ROYAL).
- Conducted final visual punch list inspection (ATC).

Engineering Controls

Royal Environmental Inc. employed the following engineering controls during the removal of all ACM:

- Isolated each work area per work plan specification, and to the satisfaction of ATC.
- Constructed a three-stage decontamination unit (including shower).
- Installed HEPA-filtered negative pressure exhaust fans.
- Used industry standard equipment and procedures for the removal of asbestos-containing materials.

Work Procedures

Measures to minimize the release of fibers during removal of ACM included:

- Wetting of asbestos-containing materials with amended water prior to disturbing.
- Promptly placing removed asbestos-containing materials in plastic bags for proper disposal.

Workers who entered the work area during abatement activities wore disposable protective clothing (Tyvek suits with integrated hood and foot coverings) and proper respiratory protection including ½ face respirators and full-face Powered Air Purifying Respirators (PAPR's) where required.

Decontamination

Workers performed proper decontamination upon exiting each asbestos work area by:

- Removing and disposing of protective clothing.
- Rinsing respirator.
- Showering.
- Removing respirator.
- Donning street clothing.

Disposal

Royal Environmental, Inc. placed asbestos-containing waste material in doubled and labeled impermeable plastic bags and stored them in a roll-off dumpster for disposal. All material was transported to an approved GE Advanced Materials landfill for proper disposal as asbestos-containing material.

AIR MONITORING

Sample Collection

ATC collected samples of air (1,100 to 1,600 liters of air with flow rates between 6.0 and 12.0 liters per minute) on 25 millimeter, mixed-cellulose ester filter membranes (0.8 micron pores) contained in manufacturer pre-assembled, three-piece cassettes with electrically conductive, extended cowls. Pump flow rates were determined (both at the start and at the end of the sampling period) with a rotameter that is calibrated quarterly against a Gillian Instrument Corporation primary flow calibrator (Gilibrator). Fibers from ambient air were collected with the filter cassette open-faced and positioned between three to five feet above the floor.

Sample Analysis

PCM ambient and clearance samples were analyzed on-site utilizing the PCM method of analysis. The microscope used for sample analysis was equipped with a phase contrast condenser. Sizing and fiber counts were performed at 400X magnification. Samples were analyzed by the National Institute of Occupation Safety and Health (NIOSH) Method 7400 using method "A" counting rules. Method "A" rules count only those fibers that have a length greater than five microns and a length-to-width ratio greater than three-to-one. All air sample results are reported in fibers per cubic centimeter of air (f/cc).

Quality Assurance

All Project Monitors involved in on-site PCM air sample analysis have completed the NIOSH 582 Sampling and Evaluating Airborne Asbestos Dust course or an equivalent course.

All laboratory technicians involved in PCM air sample analysis have received complete training from ATC and are Massachusetts DLWD licensed asbestos project monitors, as required by Massachusetts's regulations (453 CMR 6.00). ATC maintains an in-house quality control (QC) program for PCM air samples whereby ten percent of all on-site samples are re-analyzed and documented in a QC manual.

LABORATORY QUALIFICATIONS

ATC is accredited by the National Institute of Standards and Technology (NIST) for bulk asbestos analysis under their current NVLAP laboratory program. We also participate in the NIOSH/AIHA PAT Program. Our laboratory is licensed by the Commonwealth of Massachusetts to air sample analysis for miscellaneous fibers. Below is a list of our laboratory's current certification and accreditation.

- Commonwealth of Massachusetts DLWD Lab ID AA000005

Sample Results

All final air clearance samples reported concentrations of airborne fibers less than the concentrations required by the EPA and Commonwealth of Massachusetts for re-occupancy of an abated space. Refer to Appendix B for all results

CONCLUSIONS

Based on project oversight, including results of air sampling data collected, it is the professional opinion of ATC that asbestos abatement work at GE Advanced Materials "Site 1 Demolition Project" (Buildings 107-115) located in Pittsfield, Massachusetts was completed in accordance with project specifications, as well as all applicable federal, state and local asbestos abatement regulations. All ambient and final air clearance air sample results were found to have a total fiber concentration satisfactory to achieve the acceptable criteria established by Massachusetts DLWD 453 CMR 6.00 Regulations and Federal EPA standards for re-occupancy following asbestos abatement activities.

Our professional services have been performed, our findings obtained and our recommendations prepared in accordance with customary principles and practices in the field of environmental science and engineering. This statement is in lieu of other statements either expressed or implied. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

This report is intended for the sole use of Blasland, Bouck & Lee Environmental Services. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations, is at risk of said user.

ATC Associates Inc.

Derrick Wissman
Senior Project Manager

ATC Associates Inc.

Brian Williams
Branch Manager

APPENDIX A

SCOPE OF WORK – ASBESTOS ABATEMENT
BUILDING'S 107 -115

TABLE 1.0

BUILDING 107
SUMMARY OF POSITIVE ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
Building 107 Interior and Exterior	Window Caulking	3 EA	
Bldg 107 Interior	Gaskets	4 EA	
Bldg 107 Interior	Old Light Gaskets	5 EA	
Bldg 107 Exterior	Old Light Gaskets	1 EA	
Bldg 107	Fire Doors	2 EA	
Roof	Roof Flashing	175 LF	At edges, penetrations, etc.

TABLE 2.0

BUILDING 108
SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
#108-02	Joint Compound	336 SF	Includes sheetrock
#108-02	Floor Tile & Mastic	144 SF	
#108-03	Joint Compound	280 SF	Includes sheetrock
#108-03	Floor Tile & Mastic	96 SF	
#108-04 Hallway	Joint Compound	336 SF	Includes sheetrock
#108-04 Hallway	Floor Tile & Mastic	144 SF	
#108-05	Joint Compound	280 SF	Includes sheetrock
#108-05	Floor Tile & Mastic	96 SF	
#108-06	Joint Compound	280 SF	Includes sheetrock
#108-06	Floor Tile & Mastic	96 SF	
#108-07	Floor Tile & Mastic	96 SF	
#108-07	Joint Compound	280 SF	Includes sheetrock
#108-08	9x9 Floor Tiles And Mastic	96 SF	
#108-08	Joint Compound	280 SF	Includes sheetrock
#108-09	Joint Compound	420 SF	Includes sheetrock
#108-10	Joint Compound	364 SF	Includes sheetrock
#108-12 Women's Room	Grout Behind Ceramic Wall Tiles	336 SF	
#108-13 Hallway	Pipe Fitting Insulation	4 EA	
#108-13 Hallway	Floor Tile & Mastic	204 SF	
#108-13 Hallway	Electrical Boxes	2 EA	Includes wire, transite, switches, etc.
#108-14	Pipe Fitting Insulation	2 EA	
#108-14	Floor Tile & Mastic	1,356 SF	Multiple flooring
#108-14	Electrical Boxes	1 EA	Includes wire, transite, switches, etc.
#108-14	Gaskets	4 EA	
#108-14	Floor Tile & Mastic	1,356 SF	Includes sheathing/backing under tiles
#108-15	Floor Tile & Mastic	225 SF	
#108-15	Electrical Boxes	14 EA	Includes wire, transite, switches, etc.
#108-15	Old Light Fixture Gaskets	10 EA	Stored in area
#108-16 Hallway	Floor Tile & Mastic	216 SF	
#108-17	Floor Tile & Mastic	168 SF	
#108-17 Attic Area Above Rooms	Pipe Fitting Insulation	6 EA	

TABLE 2.0 – (CONTINUED)

BUILDING 108
SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
#108-17 Attic Area Above Rooms	Old Light Fixture Gaskets	4 EA	
#108-18	Floor Tile & Mastic	168 SF	
#108-19	Floor Tile & Mastic	96 SF	
#108-20	Floor Tile	240 SF	Yellow mastic negative
#108-20	Lab Cabinet Transite Shelve Liners	2 Units	
#108-21	Floor Tile & Mastic	336 SF	
#108-21	Electrical Boxes	8 EA	Includes wire, transite, switches, etc.
#108-21	Old Light Fixture Gaskets	8 EA	
#108-21	Gaskets	8 EA	
Bldg #108 Exterior	Door Frame Caulking	4 EA	
Bldg #108 Exterior	Old Window Caulking	6 EA	
Roof	Flashing	30 LF	

TABLE 3.0

BUILDING 109
SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	Material	QUANTITY	NOTES
#109-01 Hallway	Joint Compound	840 SF	Includes sheetrock
#109-01 Hallway	Floor Tile & Mastic	1,160 SF	Multiple flooring
#109-01 Hallway	Electrical Boxes	6 EA	Includes wire, transite, switches, etc.
#109-01 Hallway	Skim Coat Of Joint Compound Over Wood Wall Sections	640 SF	
#109-01 Hallway	Fire Doors	4 EA	
#109-02 Hallway to Bldg #108	Joint Compound	190 SF	Includes sheetrock
#109-02 Hallway to Bldg #108	Floor Tile & Mastic	140 SF	Multiple flooring
#109-02 Hallway to Bldg #108	Electrical Boxes	7 EA	Includes wire, transite, switches, etc.
#109-03 Storage Closet	Floor Tile & Mastic	24 SF	
#109-04	Floor Tile & Mastic	240 SF	Multiple flooring
#109-09 Compressor Room	Electrical Boxes	3 EA	Includes wire, transite, switches, etc.
#109-09 Compressor Room	Compressor Gaskets	20 EA	
#109-10	Electrical Boxes	1 EA	Includes wire, transite, switches, etc.
#109-13 Upper Locker Room	Fire Doors	1 EA	
#109-14	Floor Tile & Mastic	192 SF	
#109-14	Electrical Boxes	6 EA	Includes wire, transite, switches, etc.
#109-14	Fire Doors	1 EA	
#109-15	Floor Tile & Mastic	320 SF	
#109-15	Transite In Fume Hoods	4 Units	
#109-15	Electrical Boxes	1 EA	Includes wire, transite, switches, etc.
#109-15	Sink Counter Top Material	60 SF	
#109-16	Floor Tile & Mastic	300 SF	
#109-16	Floor Tile & Mastic	300 SF	
#109-16	Electrical Boxes	5 EA	Includes wire, transite, switches, etc.
#109-17 Fire System Room	Gaskets	12 EA	

TABLE 3.0 – (CONTINUED)

BUILDING 109
SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
#109-17 Fire System Room	Electrical Boxes	9 EA	Includes wire, transite, switches, etc.
#109-17 Fire System Room	Fire Doors	2 EA	
#109-18	Floor Tile & Mastic	294 SF	
#109-19	Gaskets	2 EA	
#109-19	Electrical Boxes	4 EA	Includes wire, transite, switches, etc.
#109-20	Electrical Boxes	1 EA	Includes wire, transite, switches, etc.
#109-20	Boxes Of Gaskets And Packings	50 Boxes	
#109-21	Floor Tile & Mastic	140 SF	
#109-21	Transite On Rear Wall	24 SF	
#109-22	Pipe and Fitting Insulation	1 LF	On pipe in enclosure
#109-22	Pipe and Fitting Insulation	8 SF	Thermal System Insulation - Debris At Bottom Of Enclosure
#109-22	Floor Tile & Mastic	78 SF	Multiple flooring
#109-22	Transite In Fume Hoods	1 Unit	
#109-22	Sink Counter Top Material	112 SF	
#109-22	Pipe and Fitting Insulation	17 LF	
#109-23	Pipe and Fitting Insulation	17 LF	
#109-23	Floor Tile & Mastic	272 SF	Multiple flooring
#109-23	Electrical Boxes	11 EA	Includes wire, transite, switches, etc.
#109-24	Old Light Fixture Gaskets	40 EA	
#109-24	Gaskets And Valve Packings	72 EA	
#109-26	Old Light Fixture Gaskets	3 EA	
#109-27	Electrical Boxes	8 EA	Includes wire, transite, switches, etc.
#109-Attic Above Lab Rooms	Electrical Boxes	34 EA	Includes wire, transite, switches, etc.
#109-Attic Above Lab Rooms	Switch Gear Unit (16 Switches)	1 Unit	Includes all ACM in and on units
#109-Attic Above Lab Rooms	Old HEPA Filters On Attic Flooring	2 EA	
#109-2-01 Second Level	Old Light Fixture Gaskets	3 EA	
#109-2-02 Second Level	Old Light Fixture Gaskets	25 EA	

TABLE 3.0 – (CONTINUED)

BUILDING 109
SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
#109-2-02 Second Level	Black Putty Pipe Penetration Wall Sealant	14 EA	
#109-2-03 Second Level	Old Light Fixture Gaskets	1 EA	
#109-2-05 Second Level	Floor Tile & Mastic	150 SF	Multiple flooring
#109-3-01 Third Level	Joint Compound	322 SF	Includes sheetrock
#109-3-01 Third Level	Old Light Fixture Gaskets	35 EA	
#109-3-01 Third Level	Gaskets	5 EA	
#109-3-01 Third Level	Fire Doors	2 EA	
#109-3-02 Third Level	Joint Compound	350 SF	Includes sheetrock
#109-3-03 Third Level	Joint Compound	640 SF	Includes sheetrock
#109-3-03 Third Level	Old Light Fixture Gaskets	2 EA	
#109-3-03 Third Level	Floor Tile & Mastic	240 SF	
#109-P-01 Fourth Level	Gaskets	4 EA	
#109-P-01 Fourth Level	Fire Doors	1 EA	
Exterior Walls	Corrugated Transite Walls & Canopy Roofs	7,500 SF	
Exterior Walls	Old Light Fixture Gaskets	3 EA	
Roof	Tar on Concrete	1,350 SF	
Roof	Red Duct Sealant	50 LF	
Roof	Flashing	375 LF	At edges, penetrations, etc.
Roof	Tarpaper on Concrete	120 SF	
Roof	Silver Paint	8,850 SF	On block walls and Transite
Roof	Gray Sealant	25 LF	
Roof	Transite Roof Panels	8,750 SF	
Exterior	Window Caulking & Glazing	80 EA	

TABLE 4.0

BUILDING 110
SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
#110-1-01 Hallway	Floor Tile & Mastic	410 SF	
#110-1-02	Electrical Boxes	5 EA	Includes wire, transite, switches, etc.
#110-1-2	Old Light Fixture Gasket	1 EA	
#110-1-03	Lab-Type Sink Counter Top	12 SF	
#110-1-03	Old Light Fixture Gasket	3 EA	
#110-1-04	Electrical Boxes	6 EA	Includes wire, transite, switches, etc.
#110-1-04 HV (High Voltage)	Electrical Boxes	5 EA	Includes wire, transite, switches, etc.
#110-1-04 HV (High Voltage)	Old Light Fixture Gasket	2 EA	
#110-1-05	Old Light Fixture Gasket	14 EA	
#110-1-06	Old Light Fixture Gasket	1 EA	
#110-1-07	Old Light Fixture Gasket	4 EA	
#110-1-08	Old Light Fixture Gasket	1 EA	
#110-1-10	Old Light Fixture Gasket	11 EA	
#110-1-11	Electrical Boxes	4 EA	Includes wire, transite, switches, etc.
#110-1-11	Old Light Fixture Gasket	1 EA	
#110-1-13	Floor Tile & Mastic	154 SF	Double-layer floor tiles
#110-1-13	Transite Lined Lab Fume Hoods	2 EA	
#110-1-14	Floor Tile & Mastic	304 SF	
110-1-14A	Electrical Boxes	4 EA	Includes wire, transite, switches, etc.
#110-1-15	Joint Compound	336 SF	Includes sheetrock
#110-1-15	Floor Tile & Mastic	280 SF	
#110-1-15	Lab Counter Top	60 SF	
#110-1-16	Joint Compound	294 SF	Includes sheetrock
#110-1-16	Floor Tile & Mastic	231 SF	
#110-1-17	Electrical Boxes	1 EA	Includes wire, transite, switches, etc.
#110-1-18 Hallway	Old Light Fixture Gasket	1 EA	
#110-1-19	Old Light Fixture Gasket	1 EA	Above ceiling
#110-1-22	Floor Tile & Mastic	168 SF	
#110-1-22	Gaskets	25 EA	
#110-1-22	Valve Packings	4 EA	
#110-1-23	Floor Tile & Mastic	168 SF	

TABLE 4.0 – (CONTINUED)

BUILDING 110
SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
#110-1-24	Pipe Fittings	2 EA	
#110-1-24	Electrical Boxes	2 EA	Includes wire, transite, switches, etc.
#110-1-24	Gaskets	3 EA	
#110-1-24	Valve Packings	1 EA	
#110-1-25	Floor Tile & Mastic	168 SF	
#110-1-25	Gaskets	7 EA	
#110-1-26	Pipe and Fitting Insulation	12 LF	
#110-1-26	Floor Tile & Mastic	240 SF	
#110-1-27	Electrical Boxes	10 EA	Includes wire, transite, switches, etc.
#110-1-28	Floor Tile & Mastic	300 SF	
#110-1-28	Electrical Boxes	4 EA	Includes wire, transite, switches, etc.
#110-1-30	Floor Tile & Mastic	144 SF	
#110-2-01	Floor Tile & Mastic	525 SF	Multiple flooring
#110-2-01	Transite Lined Lab Fume Hoods	4 EA	
#110-2-01	Small Oven Units	2 EA	Includes all ACM
#110-2-02	Floor Tile & Mastic	300 SF	Multiple flooring
#110-2-03	Floor Tile & Mastic	300 SF	Multiple flooring
#110-2-02	Door Frame Caulking	1 EA	
#110-2-S (Stairwell)	Wall Transite Panels	100 SF	
Bldg #110 Interior and Exterior	Window Glazing And Caulking	30 EA	
Exterior Walls	Pipe and Fitting Insulation	6 LF	Adjacent to Bld. 113
Exterior Walls	Corrugated and Flat Sheet Transite on Walls and Windows	1,270 SF	
R1	Transite	6 SF	
R2	Gaskets	4 EA	
R2	Tar Coating on Fiberglass Insulation	35 LF	
R3	Transite	320 SF	
R4	Fire Door Insulation	1 EA	
R4	Transite	180 SF	Ceiling area
R5	Electrical Boxes	12 EA	Includes transite, wire, switches, etc.
R5	Gaskets	3 EA	
R6	Flashing	25 LF	On wall

TABLE 4.0 – (CONTINUED)

BUILDING 110
SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
R6	Floor Tile & Mastic	200 SF	
R7	Electrical Boxes	2 EA	Includes transite, wire, switches, etc.
R7	Flashing	3 LF	On wall
R7	Floor Tile & Mastic	100 SF	
R8	Floor Tile & Mastic	60 SF	
R8	Floor Tile Mastic	100 SF	Tiles not remaining in other rooms
R9	Floor Tile & Mastic	200 SF	
R10	Electrical Boxes	10 EA	Includes transite, wire, switches, etc.
R10	Old Light Fixtures	2 EA	
Roof	Black Tar on Metal Roof	150 SF	New roof on 2nd level
Roof	Flashing Cement on Concrete	600 SF	Deck by transite hallway
Roof	Flashing Cement w/Felt Over Concrete	1,750 SF	Deck by block wall leading to 110 (R1 & R2 are included)
Roof	Flashing/Flashing Cement	1,250 SF	At edges, penetrations, etc.
Roof	Silver Paint	5,000 SF	On walls, deck, column, ceiling
Roof	Tar Coating on Fiberglass Insulation	2 LF	Outside of roof R4
Roof	Tar Duct Insulation	250 SF	On 1st and 2nd level roofs
Roof	Tar on Asphalt Roof Shingles	75 SF	Walkway to R4 & R5, also on transite stairwells
Roof	Transite	1,650 SF	
Roof	White Duct Sealant	30 LF	
Level 4 Roof	Silver Paint w/Felt Layers	600 SF	

TABLE 5.0

BUILDING 111
SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
111-1-01	Sheetrock/Joint Compound	2,150 SF	
111-1-01	Door Caulking	1 EA	
111-1-02	Pipe Fitting Insulation	20 EA	
111-1-02	Door Caulking	1 EA	
111-1-02	Sheetrock/Joint Compound	400 SF	
111-1-03	Pipe Fitting Insulation	10 EA	
111-1-03	Sheetrock/Joint Compound	400 SF	
111-1-03	Floor Tile & Mastic	150 SF	Under 12" x 12" Tile
111-1-03	Door Caulking	1 EA	
111-1-04	Pipe and Fitting Insulation	15 LF	Chase in Block Wall
111-1-04	Sheetrock/Joint Compound	500 SF	
111-1-04	Floor Tile & Mastic	135 SF	
111-1-05	Sheetrock/Joint Compound	550 SF	
111-1-05	Floor Tile & Mastic	300 SF	
111-1-06	Pipe and Fitting Insulation	15 LF	Adjacent to 111-1-05 in Block Wall
111-1-06	Sheetrock/Joint Compound	480 SF	
111-1-06	Transite	160 SF	Wall Panel
111-1-07	Pipe Fitting Insulation	18 EA	
111-1-07	Floor Tile & Mastic	500 SF	
111-1-07	Sheetrock/Joint Compound	750 SF	
111-1-08	Pipe Fitting Insulation	10 EA	Column by heater unit
111-1-08	Sheetrock/Joint Compound	750 SF	
111-1-08	Floor Tile & Mastic	625 SF	
111-1-09	Sheetrock/Joint Compound	375 SF	
111-1-09	Floor Tile & Mastic	120 SF	
111-1-10	Floor Tile & Mastic	80 SF	
111-1-11	Pipe Fitting Insulation	8 EA	Column by heater unit
111-1-11	Floor Tile & Mastic	330 SF	
111-1-11	Panel Adhesive (Black)	330 SF	
111-1-12	Sheetrock/Joint Compound	520 SF	
111-1-13	Floor Tile & Mastic	275 SF	
111-1-13	Gaskets	3 EA	
Exterior	Window Glazing	10 EA	
Exterior	Transite	800 SF	
Exterior	Old Fluorescent Lights (Wiring)	2 EA	

TABLE 6.0

BUILDING 112
SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
112-01	Pipe and Fitting Insulation	50 LF	Above Ceiling Tile
112-01	Sheetrock/Joint Compound	160 SF	
112-01	Door Frame Caulking	20 LF	
112-02	Pipe and Fitting Insulation	10 LF	
112-02	Floor Tile & Mastic	20 SF	
112-02	Electrical Boxes	2 EA	Includes transite, wire, switches, etc.
112-03	Pipe and Fitting Insulation	9 LF	
112-03	Pipe and Fitting Insulation	25 LF	Debris on Ceiling Tile
112-03	Sheetrock/Joint Compound	200 SF	
112-03	Floor Tile & Mastic	96 SF	
112-03	Fire Door	1 EA	
112-04	Pipe and Fitting Insulation	4 LF	
112-04	Sheetrock/Joint Compound	120 SF	
112-04	Electrical Boxes	6 EA	Includes transite, wire, switches, etc.
112-04	Pipe Fitting Insulation	2 EA	
112-05	Pipe and Fitting Insulation	4 LF	
112-05	Sheetrock/Joint Compound	600 SF	
112-05	Electrical Boxes	2 EA	Includes transite, wire, switches, etc.
112-06	Pipe and Fitting Insulation	60 LF	
112-06	Floor Tile & Mastic	66 SF	
112-06	Transite in Fume Hoods	3 EA	
112-06	Gaskets	3 EA	On Ovens
112-06	Black Lab Table Tops	7 EA	
112-06	Pipe Fitting Insulation	5 EA	
112-07	Gaskets	7 EA	
112-08	Gaskets	1 EA	on Light
112-09	Pipe and Fitting Insulation	35 LF	Debris on Floor
112-09	Door Frame Caulking	20 LF	
112-10	Pipe Fitting Insulation	4 EA	
112-10	Gaskets	3 EA	on Lights
112-10	Door Caulk	20 LF	
112-10	Old Fluorescent Light	1 EA	
112-10	Gummy Wrap (Black)		
112-11	Gaskets	5 EA	
112-12	Pipe and Fitting Insulation	10 LF	Debris on Floor

TABLE 6.0 – (CONTINUED)

BUILDING 112
SUMMARY OF ASBESTOS-CONTAINING MATERIALS

MATERIAL	QUANTITY	NOTES	
112-12	Pipe Fitting Insulation	10 EA	
112-12	Gaskets	8 EA	on Lights
112-13	Gaskets	2 EA	on Lights
112-14	Gaskets	1 EA	on Light
112-15	Old Fluorescent Light	2 EA	
112-15	Gaskets	1 EA	on Light
112-16	Gaskets	1 EA	on Light
112-16	Old Fluorescent Light	1 EA	
112-17	Gaskets	4 EA	
112-18	Gaskets	1 EA	on Light
112-19	Pipe and Fitting Insulation	15 LF	Debris o n Floor
112-19	Pipe Fitting Insulation	3 EA	
112-19	Gaskets	5 EA	On Light
Roof	Tar with Fiberglass	1000 SF	
Roof	Insulation Board with Tar	2200 SF	
Roof	Flashing Cement	450 LF	At edges, penetrations, etc.
Roof	Felt Layers over Foam Insulation	875 SF	
Roof	Felt Layers/Felt Layers under Foam Insulation	1650 SF	
Roof	Duct Sealant (Grey)	10 LF	
Roof	Gaskets	10 EA	
Roof	Transite	650 SF	Located under Foam Insulation
Exterior	Window Glazing	6 EA	
Exterior	Old Light Gaskets	4 EA	

TABLE 7.0

BUILDING 113
SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
113-01	Pipe and Fitting Insulation	8 LF	
113-01	Electrical Boxes	28 EA	Includes transite, wire, switches, etc.
113-01	Pipe Gaskets	4 EA	
113-01	Wiring on Fluorescent Lighting	26 EA	
113-01	Fire Doors	2 EA	
113-01	Duct Seam Sealant	8 EA	

TABLE 8.0

BUILDING 114
SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
#114-1-03	Fire Door	1 EA	
#114-1-05	Floor Tile & Mastic	192 SF	
#114-1-06	Floor Tile & Mastic	216 SF	
#114-1-07	Old Light Fixture Gaskets	32 EA	
#114-1-07	Pipe Gaskets And Valve Packings	75 EA	
#114-1-08	Old Light Fixture Gaskets	10 EA	
#114-1-08	Pipe Gaskets And Valve Packings	80 EA	
#114-1-09	Floor Tile & Mastic	200 SF	
#114-1-09	Window Glazing And Caulking	1 EA	
#114-1-10 & Stairs	Gaskets On Shelves	20 EA	
#114-1-11	Floor Tile & Mastic	480 SF	
#114-1-11	Transite Lined Lab Fume Hood	1 EA	
#114-1-12	Floor Tile & Mastic	60 SF	
#114-1-13	Floor Tile & Mastic	200 SF	
#114-1-13	Electrical Boxes	1 EA	Includes wire, transite, switches, etc.
#114-1-13	Window Glazing And Caulking	1 EA	
#114-1-14	Black Mastic Under Ceramic Floor Tiles	120 SF	
#114-1-16	Old Light Fixture Gaskets	7 EA	
#114-1-17	Electrical Boxes	12 EA	Includes wire, transite, switches, etc.
#114-1-17	Pipe Gaskets And Valve Packings	12 EA	
#114-1-18	Electrical Boxes	3 EA	Includes wire, transite, switches, etc.
#114-1-19	Electrical Boxes	1 EA	Includes wire, transite, switches, etc.
#114-2-02	Floor Tile & Mastic	744 SF	
#114-2-02	Transite Lined Lab Fume Hood	2 EA	
#114-2-02	Mastic On Exterior Wall	31 SF	
#114-2-03	Floor Tile & Mastic	950 SF	
#114-2-03	Transite Lined Lab Fume Hood	4 EA	

TABLE 8.0 – (CONTINUED)

BUILDING 114
SUMMARY OF ASBESTOS-CONTAINING MATERIALS

MATERIAL	QUANTITY	NOTES	
#114-2-04	Floor Tile & Mastic	270 SF	
#114-2-05	Electrical Boxes	19 EA	Includes wire, transite, switches, etc.
#114-2-06	Old Light Fixture Gaskets	45 EA	
#114-2-06	Pipe Gaskets And Valve Packings	40 EA	
#114-2-07	Joint Compound	280 SF	Includes sheetrock
#114-2-07	Floor Tile & Mastic	48 SF	
#114-2-08	Floor Tile & Mastic	235 SF	
#114-2-08	Joint Compound	900 SF	Includes sheetrock
#114-2-08	Electrical Boxes	7 EA	Includes wire, transite, switches, etc.
#114-2-09	Floor Tile & Mastic	160 SF	
#114-2-09	Joint Compound	200 SF	Includes sheetrock
#114-2-09	Electrical Boxes	17 EA	Includes wire, transite, switches, etc.
#114-2-10	Joint Compound	400 SF	Includes sheetrock
#114-2-10	Floor Tile	96 SF	Mastic is negative
#114-2-11	Floor Tile	96 SF	Mastic is negative
#114-2-11	Joint Compound	400 SF	Includes sheetrock
#114-2-12	Joint Compound	400 SF	Includes sheetrock
#114-2-12	Floor Tile	96 SF	Mastic is negative
#114-2-13	Joint Compound	352 SF	Includes sheetrock
#114-2-13	Joint Compound	96 SF	Includes sheetrock
#114-2-13	Floor Tile	96 SF	Mastic is negative
#114-2-14	Joint Compound	540 SF	Includes sheetrock
#114-2-14	Joint Compound	540 SF	Includes sheetrock
#114-2-14	Floor Tile	176 SF	Mastic is negative
#114-3-02	Floor Tile & Mastic	780 SF	
#114-3-03	Floor Tile & Mastic	989 SF	
#114-3-04	Floor Tile & Mastic	210 SF	
#114-3-05	Electrical Boxes	20 EA	Includes wire, transite, switches, etc.
#114-3-06	Electrical Boxes	1 EA	Includes wire, transite, switches, etc.
#114-3-06	Old Light Fixture Gaskets	30 EA	
#114 Exterior Walls	HVAC Duct Coating	100 SF	
#114 Exterior Walls	Window Glazing And Caulking	35 EA	
#114 Exterior Walls	Pipe Penetration Putty	1 EA	
#114 Exterior Walls	Red Duct Seam Sealant	35 EA	

TABLE 9.0

BUILDING 115
SUMMARY OF ASBESTOS-CONTAINING MATERIALS

LOCATION	MATERIAL	QUANTITY	NOTES
#115-01	Fire Doors	4 EA	
#115-03	Gaskets	20 EA	
Exterior Roofing	Felts And Flashings	2,000 SF	Includes entire roof as ACM.
Exterior of Buildings 107-115	Manholes/Electrical Vaults	15 EA	Includes all listing, pipe insulation, debris, etc.

APPENDIX B

PCM AIR SAMPLE RESULTS

ATC ASSOCIATES INC.

73 William Franks Dr.
West Springfield, MA. 01089
413.781.0070
Fax 413.781.3734

ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee, Inc.	GE Advanced Materials Site 1	Bill Bilodeau	19-Apr-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5

AAR ANALYST NAME:

DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
BBLES - S1 - B1	Field Blank	Field Blank		1/100	
BBLES - S1 - B2	Field Blank	Field Blank		3/100	
BBLES - S1 - 01	Area #114 - 02 - 06 @ Rm. #7	Background	1358	16/100	.006
BBLES - S1 - 02	Area #114 - 02 - 06 @ Center Stairs	Background	1330	14/100	.005
BBLES - S1 - 03	Area #114 - 03 - 06 @ Elevator Shaft	Background	1134	9/100	.004

Client Name: BBLES

Job Site: GE ADVANCED MATERIALS

Work Area: SITE 1 DEMO PROJECT

Collected by: Bill Bilodeau

Signature: Bill Bilodeau

Project #:

(PCM) or TEM (circle One)

Analyst Signature: Bill Bilodeau

Date of Analysis: 4-20-05

If TEM Specify Turnaround Time

Send TEM results to:

Phone:

Fax:

	Sample Location	Sample Type	Pump On	Pump Off	Flow Rate (LPM)	Time (Min.)	Air Volume (Liters)	* Actual Count	Results (F/CC)
BBLES-S1-B1	Field Blank							1/100	(2)
BBLES-S1-B2	Field Blank							3/100	
	Field Blank								
BBLES-S1-01	AREA # 114-02-06 @ RM. #7	1	1331	1645	7.0/7.0	194	1358	16/100	.006
BBLES-S1-02	AREA #114-02-06 @ CENTER STAIRS	1	1339	1649	7.0/7.0	190	1330	14/100	.005
BBLES-S1-03	AREA - #114-03-06 @ ELEVATOR SHAFT	1	1343	1652	6.0/6.0	189	1134	9/100	.004
	Reference Slide								
S1-02	Duplicate Slide							16/100	.006

Work Phase: 1) Background 2) Pre Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Bill Bilodeau Date 6/3/05

Received By: Date:

ATC ASSOCIATES INC.

73 William Franks Dr.
West Springfield, MA. 01089
413.781.0070
Fax 413.781.3734

ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee, Inc.	Ge Advance Materials Site 1	Bill Bilodeau	20-Apr-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5

AAR ANALYST NAME:

DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
BBLES - S1 - B1	Field Blank	Field Blank		5/100	
BBLES - S1 - B2	Field Blank	Field Blank		2/100	
BBLES - S1 - 04	Hallway 114 - 02 - 01	Background	1476	25.5/100	.008
BBLES - S1 - 05	Area #114 - 02 - 06 @ center stairs	Background	1458	10/100	.003
BBLES - S1 - 06	Area #114 - 03 - 03	Background	1386	21.5/100	.008
BBLES - S1 - 07	Hallway #114 - 02 - 01	Background	1383.75	41.5/100	.014
BBLES - S1 - 08	Area #114 - 02 - 06 @ center stairs	Background	1383.75	22.5/100	.008
BBLES - S1 - 09	Room #114 - 03 - 03	Background	1383.75	37/100	.013

Client Name: ES

Job Site: GE ADVANCED MATERIALS

Work Area: SITE 1 DEMO PROJECT

Collected by: Bill Bilodeau

Signature: Bill Bilodeau

Project #: 81-01398-13

(PCM) or TEM (circle One)

Analyst Signature: Bill Bilodeau

Date of Analysis: 4-21-05

Date of Collection: 4-20-05

If TEM Specify Turnaround Time

Send TEM results to:

Phone:

Fax:

	Sample Location	Sample Type	Pump On	Pump Off	Flow Rate (LPM)	Time (Min.)	Air Volume (Liters)	* Actual Count	Results (F/CC)
BBLES-S1-B3	Field Blank							5/100 & 2/100	2.5
BBLES-S1-B4	Field Blank								
	Field Blank								
BBLES-S1-04	HALLWAY 114-02-01	1	0744	1150	6.0/6.0	246	1476	25.5/100	.008
-S1-05	AREA # 114-02-06 @ CENTER STAIRS	1	0749	1152	6.0/6.0	243	1458	10/100	.003
-S1-06	AREA # 114-03-03	1	0805	1156	6.0/6.0	231	1386	21.5/100	.008
-S1-07	HALLWAY # 114-02-01	1	1454	1709	10.25/10.25	135	1383.75	41.5/100	.014
-S1-08	AREA # 114-02-06 @ CENTER STAIRS	1	1455	1710	10.25/10.25	135	1383.75	22.5/100	.008
-S1-09	RM # 114-03-03	1	1457	1712	10.25/10.25	135	1383.75	37/100	.013
	Reference Slide								
-S1-07	Duplicate Slide							38/100	

Work Phase: 1) Background 2) Pre Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Bill Bilodeau Date 6/3/05

Received By: Date:

ATC ASSOCIATES INC.

73 William Franks Dr.
West Springfield, MA. 01089
413.781.0070
Fax 413.781.3734

ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee, Inc.	GE Advanced Materials Site 1	Bill Bilodeau	27-Apr-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5
AAR ANALYST NAME:
DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
BBLES - S1 B5	Field Blank	Field Blank		0/100	
BBLES - S1 B6	Field Blank	Field Blank		2/100	
BBLES - S1 - 10	Area #114 - 03 - 06	During Rem./Backg	1421	6/100	.002
BBLES - S1 - 11	Area #114 - 03 - 06	During Rem./Backg	1428	6/100	.002
BBLES - S1 - 12	Area #114 - 02 - 06	During Rem./Backg	1414	8/100	.003
BBLES - S1 - 13	Area #114 - 02 - 06	During Rem./Backg	1379	7/100	.002
BBLES - S1 - 14	Area #114 - 02 - 06	During Rem./Backg	1638	10/100	.003
BBLES - S1 - 15	Area #114 - 01 - 07	During Rem./Backg	1617	8/100	.002
BBLES - S1 - 16	Area #114 - 01 - 07	During Rem./Backg	1589	6/100	.002
BBLES - S1 - 17	Area #114 - 01 - 07	During Rem./Backg	1589	7/100	.002

Client Name: ES

Job Site: GE ADVANCED MATERIALS

Work Area: SITE 1 DEMO PROJECT

Collected by: BILL BILOGEAU

Signature: Bill Bilogeau

Project #: 81-01395 0043

PCM or TEM (circle One)

Analyst Signature:

Date of Analysis: 4/27/05 / 4-28-05

Date of Collection: 4-27-05

If TEM Specify Turnaround Time

Send TEM results to:

Phone:

Fax:

	Sample Location	Sample Type	Pump On	Pump Off	Flow Rate (LPM)	Time (Min.)	Air Volume (Liters)	Actual Count	Results (F/CC)
BBLES-51B5	Field Blank							01/27	0
BBLES-51B6	Field Blank								
	Field Blank								
BBLES-51-10	AREA #114-03-06	4/1	0933	1256	7.0/7.0	203	1421	6/100	.002
BBLES-51-11	AREA #114-03-06	4/1	0934	1258	7.0/7.0	204	1428	6/100	.002
BBLES-51-12	AREA #114-02-06	4/1	0938	1300	7.0/7.0	202	1414	8/100	.003
BBLES-51-13	AREA #114-02-06	4/1	0945	1302	7.0/7.0	197	1379	7/100	.002
BBLES-51-14	AREA #114-02-06	4/1	1257	1651	7.0/7.0	234	1638	10/100	.003
BBLES-51-15	AREA #114-02-06	4/1	1259	1650	7.0/7.0	231	1617	8/100	.002
BBLES-51-16	AREA #114-01-07	4/1	1301	1648	7.0/7.0	227	1589	6/100	.002
BBLES-51-17	AREA #114-01-07	4/1	1302	1649	7.0/7.0	227	1589	7/100	.002
	Reference Slide								
51-12	Duplicate Slide							8/100	.003

Work Phase: 1) Background 2) Pre Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Date Received By: Date:

ATC ASSOCIATES INC.

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ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee, Inc.	GE Advanced Materials Bldg. 114	Bill Bilodeau	2-May-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5

AAR ANALYST NAME:

DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
BBLES - S1 - B7	Field Blank	Field Blank		0/100	
BBLES - S1 - B8	Field Blank	Field Blank		0/100	
BBLES - S1 - 18	Area 114 - 02 - 06 @ Rms. 7-14 Decon	Backgmd / During	1295.36	31/100	.012
BBLES - S1 - 19	Area #114 - 02 - 01 Rms. 03 - 02 Decon	Backgmd / During	1285.24	21/100	.008
BBLES - S1 - 20	Area #114 - 02 - 06 @ Rm. 02 Neg. Air Exhaust	Backgmd / During	1265	3/100	.009
BBLES - S1 - 21	Area #114 - 02 - 05 @ Rm. 04 Neg. Air Exhaust	Backgmd / During	1799.22	10/100	.004
BBLES - S1 - 22	Area #114 - 02 - 01 Rm. 07 - 14 Decon	Backgmd / During	1687	35/100	.010
BBLES - S1 - 23	Area #114 - 02 - 01 @ Rms. 02 - 03 Decon	Backgmd / During	1680	42/100	.012
BBLES - S1 - 24	Area #114 - 02 - 06 @ Rm. 02 Neg. Air Exhaust	Backgmd / During	1680	33/100	.01
BBLES - S1 - 25	Area #114 - 02 - 05 @ Rm. 04 Neg. Air Exhaust	Backgmd / During	1680	24/100	.007

Client Name: BBLES

Job Site: GE ADVANCED MATERIALS

Work Area: SITE 1 DEMO BLOCK #114

Collected by: Bill Bilodeau

Signature: BILL BILODEAU

Project #: SI-0139 2043

(PCM) or TEM (circle One)

Analyst Signature: Bill Bilodeau

Date of Analysis: 5/2/05 - 5/3/05

Date of Collection: 5/2/05

If TEM Specify Turnaround Time

Send TEM results to:

Phone:

Fax:

	Sample Location	Sample Type	Pump On	Pump Off	Flow Rate (LPM)	Time (Min.)	Air Volume (Liters)	Actual Count	Results (F/CC)
BBLES-SI-B7	Field Blank								
-B8	Field Blank								
	Field Blank								
BBLES-SI-18	AREA 114-02-06 @ RMS 7-14 DECON	1/4	0904	1320	5.06/5.06	256	1295.36	31/100	.012
-19	AREA # 114-02-01 @ RMS 03-02 DECON		0908	1322	5.06/5.06	254	1285.24	21/100	.008
-20	AREA #114-02-06 @ RM 02 NEG. AIR EXHAUST		0915	1325	5.06/5.06	250	1265	23/100	.009
-21	AREA #114-02-05 @ RM-04 NEG AIR EXHAUST		0930	1327	5.06/5.06	237	1199.22	10/100	.004
-22	AREA #114-02-06 @ RM 07-14 DECON		1321	1722	7.0/7.0	241	1687.00	35/100	.010
-23	AREA #114-02-01 @ RMS 03-03 DECON		1323	1723	7.0/7.0	240	1680.00	42/100	.012
-24	AREA #114-02-06 @ RM 02 NEG AIR EXHAUST		1326	1726	7.0/7.0	240	1680	33/100	.01
-25	AREA #114-02-05 @ RM 04 NEG. AIR EXHAUST		1327	1727	7.0/7.0	240	1680	24/100	.007
	Reference Slide								
-23	Duplicate Slide							40/100	.011

Work Phase: 1) Background 2) Pre Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Bill Bilodeau Date: 6/3/05

Received By: Date:

ATC ASSOCIATES INC.

73 William Franks Dr.
West Springfield, MA. 01089
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ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee, Inc.	GE Advanced Materials Bldg. 114	Bill Bilodeau	05/03 - 05/06/05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5

AAR ANALYST NAME:

DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
114 - B1	Field Blank	Field Blank		1/100	
114 - B2	Field Blank	Field Blank		3/100	
114 - F1 5305	Area #114 - 02 - 02	Final Air Clearance	1140	14/100	.006
114 - F2 5305	Area #114 - 02 - 02	Final Air Clearance	1140	9/100	.004
114 - F3 5405	Area #114 - 02 - 03	Final Air Clearance	1140	11.5/100	.006
114 - F4 5405	Area #114 - 02 - 04	Final Air Clearance	1140	10/100	.004
114 - F5 5505	Area #114 - 03 - 02	Final Air Clearance	1140	17/100	.007
114 - F6 5505	Area #114 - 03 - 03	Final Air Clearance	1140	16/100	.007
114 - F7 5505	Area #114 - 03 - 04	Final Air Clearance	1140	13/100	.006
114 - F8 5605	Area #114 - 01 - 11	Final Air Clearance	1246.40	13/100	.005
114 - F9 5605	Area #114 - 01 - 11	Final Air Clearance	1216	11/100	.005
114 - F10 5605	Area #114 - 01 - 09	Final Air Clearance	1216	12/100	.005

AIR SAMPLING LOG

Project Name: GE ADVANCED MATERIALS
Project #: 81-01398-0043
Client: BBLES
Site Location: PITTSFIELD, MA
Work Area: SITE 1 DEMO - BLDG #114

Collection Date: MAY 3-6, 2005
Project Monitor: BILL BILODEAU
Project Manager: DERRICK WISSMAN
Rotometer Number: ATC HF 128

Date of Analysis: MAY 3-6, 2005
PCM or TEM (circle one)
If TEM Specify Turnaround Time:
Analyst Signature:
Send Results to:

Sample #	Location or Worker Name / SSN / Task	Sample Type (1-10)	Pump On	Pump Off	Time (Mins)	Flow Rate (LPM)	Volume (Liters)	LOD	Actual Count (F/Flds)	Adjusted Count (F/Flds)	Result (F/CC)	Analyst ID Initials
114-B1	Field Blank								1/100			
114-B2	Field Blank								3/100	-2	-2	BB
	Field Blank											
	FINAL AIRS - BLDG # 114 (1)											
114-F1 5305	AREA # 114-02-02	7	1145	1300	75	15.2/15.2	1140	5	16/100	14/100	.006	BB
114-F2 5305	AREA # 114-02-02	7	1147	1302	75	↓	1140	5	11/100	9/100	.004	BB
114-F3 5405	AREA # 114-02-03	7	1545	1700	75		1140	5	13.5/100	11.5/100	.006	BB
114-F4 5405	AREA # 114-02-04	7	1546	1701	75		1140	5	12/100	10/100	.004	BB
114-F5 5505	AREA # 114-03-02	7	1415	1530	75		1140	5	19/100	17/100	.007	BB
114-F6 5505	AREA # 114-03-03	7	1417	1532	75		1140	5	18/100	16/100	.007	BB
114-F7 5505	AREA # 114-03-04	7	1420	1535	75		1140	5	15/100	13/100	.006	BB
114-F8 5605	AREA # 114-01-11	7	1108	1230	82		1246.40	5	15/100	13/100	.005	BB
114-F9 5605	AREA # 114-01-11	7	1110	1230	80		1216	5	13/100	11/100	.005	BB
114-F10 5605	AREA # 114-01-09	7	1000	1120	80	↓	1216	5	14/100	12/100	.005	BB
	Reference Slide											
114-F5	Duplicate Slide								20/100			BB

Work Phase: 1) Area Background 2) Pre-Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Date: 6/3/05 Received By: Date:

ATC ASSOCIATES INC.

73 William Franks Dr.
West Springfield, MA. 01089
413.781.0070
Fax 413.781.3734

ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee, Inc.	GE Advanced Materials Bldg. 114	Bill Bilodeau	6-May-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5

AAR ANALYST NAME:

DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
114 - B3	Field Blank	Field Blank		2/100	
114 - B4	Field Blank	Field Blank		3/100	
114 - F11 5605	Area #114 - 01 - 09	Final Air Clearance	1200.80	9/100	.004
114 - F12 5605	Area #114 - 01 - 13	Final Air Clearance	1246.40	8/100	.003
114 - F13 5605	Area #114 - 01 - 14	Final Air Clearance	1231.20	17/100	.007
114 - F14 5605	Area #114 - 02 - 08	Final Air Clearance	1261.60	11/100	.004
114 - F15 5605	Area #114 - 02 - 12	Final Air Clearance	1216	16/100	.006

AIR SA[illegible]NG LOG

Project Name: GE ADVANCED MATERIALS
Project #: 81-01398-0043
Client: BBLES
Site Location: SITE 1 DEMO - PITTSFIELD
Work Area: BLDG # 114

Collection Date: MAY 6, 2005
Project Monitor: BILL BICOCEAU
Project Manager: DERRICK WISSMAN
Rotometer Number: ATC HF 128

Date of Analysis: MAY 6, 2005
PCM or TEM (circe one)
If TEM Specify Turnaround Time:
Analyst Signature:
Send Results to:

Sample #	Location or Worker Name / SSN / Task	Sample Type (1-10)	Pump On	Pump Off	Time (Mins)	Flow Rate (LPM)	Volume (Liters)	LOD	Actual Count (F/Flds)	Adjusted Count (F/Flds)	Result (F/CC)	Analyst ID Initials
114-B3	Field Blank								2/100			
114-B4	Field Blank								3/100	-2	-2	BB
	Field Blank											
114-F11 5605	AREA # 114-01-09	7	1002	1121	79	15.2/15.2	1200.80	5	11/100	9/100	.004	BR
114-F12 5605	AREA # 114-01-13	7	1008	1130	82		1246.40	5	10/100	8/100	.003	BB
114-F13 5605	AREA # 114-01-14	7	1010	1131	81		1231.20	5	19/100	17/100	.007	BR
114-F14 5605	AREA # 114-02-08	7	1052	1215	83		1261.60	5	13/100	11/100	.004	BB
114-F15 5605	AREA # 114-02-12	7	1055	1215	80		1216	5	18/100	16/100	.006	BB
	Reference Slide											
114-F13	Duplicate Slide								17/100			BB

FINAL AIRS - BLDG # 114

Work Phase: 1) Area Background 2) Pre-Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Date: 6/3/05 Received By: Date:

ATC ASSOCIATES INC.

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ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee, Inc.	GE Advanced Materials Bldg. 110	Bill Bilodeau	05/09 - 05/23/05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5

AAR ANALYST NAME:

DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
110 - B1	Field Blank	Field Blank		0/100	
110 - B2	Field Blank	Field Blank		2/100	
110 - F1 5905	Area #110 - 01 - 13	Final Air Clearance	1216	12/100	.005
110 - F2 5905	Area #110 - 01 - 15	Final Air Clearance	1200.80	13/100	.005
110 - F3 5905	Area #110 - 01 - 14	Final Air Clearance	1185.60	10/100	.004
110 - F4 51105	Area #110 - 01 - 01	Final Air Clearance	1216	12/100	.005
110 - F5 51105	Area #110 - 01 - 23	Final Air Clearance	1200.80	18/100	.007
110 - F6 51105	Area #110 - 01 - 26	Final Air Clearance	1216	21/100	.008
110 - F7 51705	Area #110 - 01 - 28	Final Air Clearance	1140	10/100	.004
110 - F8 51705	Area #110 - 01 - 30	Final Air Clearance	1140	19/100	.008
110 - F9 52305	Area #110 - 02 - 01	Final Air Clearance	1216	18/100	.007
110 - F10 52305	Area #110 - 02 - 02	Final Air Clearance	1216	15/100	.006

AIR SAMPLING LOG

Project Name: GE ADVANCED MATERIALS
Project #: 81-01398-0043
Client: BBLES
Site Location: PITTSFIELD, MA
Work Area: SITE 1 DEMO - BLDG #110

Collection Date: May 09 - May 23, 2005
Project Monitor: Bill Bilodeau
Project Manager: DERRICK WISSMAN
Rotometer Number: ATC HF 128

Date of Analysis: May 09 - May 23, 2005
PCM or TEM (circe one)
If TEM Specify Turnaround Time: N/A
Analyst Signature: Bill Bilodeau
Send Results to: N/A

Sample #	Location or Worker Name / SSN / Task	Sample Type (1-10)	Pump On	Pump Off	Time (Mins)	Flow Rate (LPM)	Volume (Liters)	LOD	Actual Count (F/Flds)	Adjusted Count (F/Flds)	Result (F/CC)	Analyst ID Initials
110-B1	Field Blank								0/100			
110-B2	Field Blank								2/100	-2	-2	BB
	Field Blank		FINAL AIRS - BLDG #110 (1)									
110-F1 5905	AREA #110-01-13	7	1008	1128	80	15.2/15.2	1216	5	14/100	12/100	.005	BB
110-F2 5905	AREA #110-01-15	7	1010	1129	79		1200.80	5	15/100	13/100	.005	BB
110-F3 5905	AREA #110-01-14	7	1012	1130	78		1185.60	5	12/100	10/100	.004	BB
110-F4 51105	AREA #110-01-01	7	0740	0900	80		1216	5	14/100	12/100	.005	BB
110-F5 51105	AREA #110-01-23	7	0741	0900	79		1200.80	5	20/100	18/100	.007	BB
110-F6 51105	AREA #110-01-26	7	0742	0902	80		1216	5	23/100	21/100	.008	BB
110-F7 51705	AREA #110-01-28	7	0800	0915	75		1140	5	12/100	10/100	.004	BB
110-F8 51705	AREA #110-01-30	7	0801	0916	75		1140	5	21/100	19/100	.008	BB
110-F9 52305	AREA #110-02-01	7	0740	0900	80		1216	5	20/100	18/100	.007	BB
110-F10 52305	AREA #110-02-02	7	0740	0900	80	↓	1216	5	17/100	15/100	.006	BB
	Reference Slide											
110-F6	Duplicate Slide								22/100			BB

Work Phase: 1) Area Background 2) Pre-Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Bill Bilodeau Date: 6/3/05 Received By: _____ Date: _____

ATC ASSOCIATES INC.

73 William Franks Dr.
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413.781.0070
Fax 413.781.3734

ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee	GE Advanced Materials	Bill Bilodeau	05/11 - 05/25/05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AA000005
AAR ANALYST NAME:
DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
BBLES-B9	Field Blank	field Blank		2/100	
BBLES-B10	Field Blank	field Blank		0/100	
BBLES-S1-26	Area #109 Attic (5/11/05)	Background	2023	4/100	>0.003
BBLES-S1-27	Area #109-01-07 (5/11/05)	During Removal	1505	7/100	>0.003
BBLES-S1-28	Area #109-01-01 (5/11/05)	During Removal	1960	6/100	>0.003
BBLES-S1-29	Area #109-01-07 (5/16/05)	During Removal	2121	15/100	0.003
BBLES-S1-30	Area #109 Attic (5/16/05)	Background	2121	8/100	>0.003
BBLES-S1-31	Area #109-01-01 (5/17/05)	During Removal	2114	9/100	>0.003
BBLES-S1-32	Area #109-01-07 (5/17/05)	During Removal	2415	14/100	0.003
BBLES-S1-33	Area #109 Attic (5/17/05)	Background	2394	10/100	0.003
BBLES-S1-34	Area #109-01-24 @ 01 critical (5/25/05)	Background/dur Re	1836.78	24/100	0.008
BBLES-S1-35	Area #109-02-02 @03 Stairs (5/25/05)	Background/dur Re	1467.40	25/100	0.008

Client Name: ES

Job Site: GE ADVANCED MATERIALS

Work Area: SITE 1 DEMO PROJECT

Collected by: Bill Bilodeau

Signature: Bill Bilodeau

Project #: 81-0139 2043

PCM or TEM (circle One)

Analyst Signature: Bill Bilodeau

Date of Analysis: VARIOUS DAYS

Date of Collection: AS NOTED

If TEM Specify Turnaround Time

Send TEM results to:

Phone:

Fax:

	Sample Location	Sample Type	Pump On	Pump Off	Flow Rate (LPM)	Time (Min.)	Air Volume (Liters)	Actual Count	Results (F/CC)
BBLES-B9	Field Blank							2/100	
B10	Field Blank							0/100	> 0
	Field Blank								
BBLES-S1-26	AREA #109 ATTIC (5-11-05)	1	1101	1550	7.0/7.0	289	2023	4/100	>.003
-27	AREA #109-01-07 (5-11-05)	4	1110	1445	7.0/7.0	215	1505	7/100	>.003
-28	(AREA #109-01-01 (5-11-05)	4	1114	1554	7.0/7.0	280	1960	6/100	>.003
-29	AREA #109-01-07 (5-16-05)	4	~~0950~~ 0930	1453	7.0/7.0	303	2121	15/100	.003
-30	AREA# 109 ATTIC (5-16-05)	1	0952	1455	7.0/7.0	303	2121	8/100	>.003
-31	AREA# 109-01-01 (5-17-05)	4	0954	1456	7.0/7.0	302	2114	9/100	>.003
-32	AREA #109-01-07 (5-17-05)	4	1115	1700	7.0/7.0	345	2415	14/100	.003
-33	AREA# 109 ATTIC (5-17-05)	1	1120	1702	7.0/7.0	342	2394	10/100	>.003
-34	AREA# 109-01-24 @ 01 CRITICAL (5-26-05)	1/4	0730	1333	5.06/5.06	363	1836.78	24/100	.006
-35	AREA# 109-02-02 @ 03 STAIRS (5-25-05)	1/4	0820	1330	5.06/5.06	290	1467.40	25/100	.008
	Reference Slide								
-34	Duplicate Slide							22/100	.006

Work Phase: 1) Background 2) Pre Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Bill Bilodeau Date 6/10/05

Received By: Date:

ATC ASSOCIATES INC.

73 William Franks Dr.
West Springfield, MA. 01089
413.781.0070
Fax 413.781.3734

ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee, Inc.	GE Advanced Materials Bldg. 111	Bill Bilodeau	11-May-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AA000005

AAR ANALYST NAME:

DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
111 - B1	Field Blank	Field Blank		1/100	
111 - B2	Field Blank	Field Blank		1/100	
111 - F1	Area #111 - 01 - 01	Final Air Clearance	1216	8/100	.003
111 - F2	Area #111 - 01 - 04/05	Final Air Clearance	1200.8	11/100	.004
111 - F3	Area #111 - 01 - 13	Final Air Clearance	1216	14/100	.006

ATC ASSOCIATES INC.

AIR SAMPLING LOG

Project Name: GE ADVANCED MATERIALS
Project #: 81-01398-0043
Client: BBLES
Site Location: PITTSFIELD, MA
Work Area: SITE 1 DEMO - BLDG #111

Collection Date: MAY 11, 2005
Project Monitor: Bill Bilodeau
Project Manager: DERRICK WISSMAN
Rotometer Number: ATC HF 128

Date of Analysis: MAY 11, 2005
PCM or TEM (circe one)
If TEM Specify Turnaround Time:
Analyst Signature: Bill Bilodeau
Send Results to:

Sample #	Location or Worker Name / SSN / Task	Sample Type (1-10)	Pump On	Pump Off	Time (Mins)	Flow Rate (LPM)	Volume (Liters)	LOD	Actual Count (F/Flds)	Adjusted Count (F/Flds)	Result (F/CC)	Analyst ID Initials
111-B1	Field Blank								1/100			BB
111-B2	Field Blank								1/100	-1	-1	
	Field Blank		FINAL AIRS - BLDG #111									
111-F1	AREA #111-01-01	7	1445	1605	80	15.2/15.2	1216	5	9/100	8/100	.003	BR
111-F2	AREA #111-01-04/05	7	1447	1606	79	15.2/15.2	1200.8	5	12/100	11/100	.004	BB
111-F3	AREA #111-01-13	7	1448	1608	80	15.2/15.2	1216	5	15/100	14/100	.006	BB
	Reference Slide											
111-F3	Duplicate Slide								14/100			

Work Phase: 1) Area Background 2) Pre-Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Bill Bilodeau Date: 6/3/05 Received By: Date:

ATC ASSOCIATES INC.

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ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee, Inc.	GE Advanced Materials Bldg. 108/109	Bill Bilodeau	19-May-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5

AAR ANALYST NAME:

DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
108 - B1	Field Blank	Field Blank		1/100	
108 - B2	Field Blank	Field Blank		1/100	
108 - F1	Area #108 - 01 - 02	Final Air Clearance	1292	15/100	.005
108 - F2	Area #108 - 01 - 13	Final Air Clearance	1276.80	20/100	.007
108 - F3	Area #108 - 01 - 18/16	Final Air Clearance	1261.60	13/100	.005
108 - F4	Area #108 - 01 - 14	Final Air Clearance	1246.40	16/100	.006
108 - F5	Area #108 - 01 - 20	Final Air Clearance	1216	16/100	.006
108 - F6	Area #109 - 01 - 05/06	Final Air Clearance	1155.20	13/100	.004

AIR SA[illegible]LING LOG

Project Name: GE ADVANCED MATERIALS
Project #: 81-01398-0043
Client: BBLES
Site Location: SITE 1 DEMO PROJECT
Work Area: BLDG # 108/109

Collection Date: MAY 19, 2005
Project Monitor: BILL BILODEAU
Project Manager: DERRICK WISSMAN
Rotometer Number: ATC HF128

Date of Analysis: MAY 19, 2005
PCM or TEM (circe one)
If TEM Specify Turnaround Time: N/A
Analyst Signature: Bill Bilodeau
Send Results to: N/A

Sample #	Location or Worker Name / SSN / Task	Sample Type (1-10)	Pump On	Pump Off	Time (Mins)	Flow Rate (LPM)	Volume (Liters)	LOD	Actual Count (F/Flds)	Adjusted Count (F/Flds)	Result (F/CC)	Analyst ID Initials
108-B1	Field Blank	FINAL AIRS - BLDG #108/109							1/100	4-1	-1	BB
108-B2	Field Blank								1/100			
	Field Blank											
108-F1	AREA #108-01-02	7	0715	0840	85	15.2/15.2	1292		16/100	15/100	.005	BB
108-F2	AREA #108-01-13	7	0717	0841	84	↓	1276.80		21/100	20/100	.007	BB
108-F3	AREA #108-01-18/16	7	0720	0843	83	↓	1261.60		14/100	13/100	.005	BB
108-F4	AREA #108-01-14	7	0722	0844	82	↓	1246.40		17/100	16/100	.006	BB
108-F5	AREA #108-01-20	7	0725	0845	80	↓	1216		17/100	16/100	.006	BB
108-F6	AREA #109-01-05/06	7	0730	0846	76	↓	1155.20		14/100	13/100	.004	BB
	Reference Slide											
108-F2	Duplicate Slide								19/100			BB

Work Phase: 1) Area Background 2) Pre-Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Bill Bilodeau Date: 6/3/05 Received By: _____ Date: _____

ATC ASSOCIATES INC.

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ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee, Inc.	GE Advanced Materials Bldg. 112	Bill Bilodeau	19-May-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5
AAR ANALYST NAME:
DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
112 - B1	Field Blank	Field Blank		2/100	
112 - B2	Field Blank	Field Blank		2/100	
112 - F1	Area #112 - 01 - 01	Final Air Clearance	1261.16	19/100	.007
112 - F2	Area #112 - 01 - 02	Final Air Clearance	1261.16	17/100	.006
112 - F3	Area #112 - 01 - 06	Final Air Clearance	1261.16	14/100	.005

ATC ASSOCIATES INC.

AIR SAMPLING LOG

Project Name: GE ADVANCED MATERIALS
Project #: 81-01398-0043
Client: BBLES
Site Location: PITTSFIELD, MA
Work Area: SITE 1 DEMO - BLDG #112

Collection Date: MAY 19, 2005
Project Monitor: Bill Bilodeau
Project Manager: DERRICK WISSMAN
Rotometer Number: ATC HF128

Date of Analysis: MAY 19, 2005
PCM or TEM (circe one)
If TEM Specify Turnaround Time:
Analyst Signature: Bill Bilodeau
Send Results to:

Sample #	Location or Worker Name / SSN / Task	Sample Type (1-10)	Pump On	Pump Off	Time (Mins)	Flow Rate (LPM)	Volume (Liters)	LOD	Actual Count (F/Flds)	Adjusted Count (F/Flds)	Result (F/CC)	Analyst ID Initials
112-B1	Field Blank								2/100			
112-B2	Field Blank								2/100	-2	-2	BB
	Field Blank											
112-F1	AREA # 112-01-01	7	1025	1148	83	15.2/15.2	1261.16	5	21/100	19/100	.007	BB
112-F2	AREA # 112-01-02	7	1026	1149	83	↓	1261.16	5	19/100	17/100	.006	BB
112-F3	AREA # 112-01-06	7	1027	1150	83	↓	1261.16	5	16/100	14/100	.005	BB
	Reference Slide											
112-F1	Duplicate Slide								21/100			BB

FINAL AIRS - BLDG # 112

Work Phase: 1) Area Background 2) Pre-Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Bill Bilodeau Date: 6/3/05 Received By: Date:

ATC ASSOCIATES INC.

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ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee	GE Advanced Materials	Bill Bilodeau	24-May-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5
AAR ANALYST NAME:
DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
BBLES-S1-B11	field Blank	field Blank		-1/100	
BBLES-S1-B12	field Blank	field Blank		-1/100	
BBLES-S1-36	Area 109-01-11 @01 Critical	Background/Dur R	void		
BBLES-S1-37	Area 109-01-13	Background/Dur R	void		
BBLES-S1-38	Area #109-01-24 @ critical	Background/Dur R	1022.12	20/100	0.009
BBLES-S1-39	area #109-02-02 @ 03 stairs	Background/Dur R	1062.6	24/100	0.011

Client Name: BBLES

Project #: 81-013-0043

Date of Collection: 5/24/05

Job Site: GE ADVANCED MATERIALS

(PCM) or TEM (circle One)

If TEM Specify Turnaround Time

Work Area: BLDG # 109 - SITE 1

Analyst Signature: Bill Bilodeau

Send TEM results to:

Collected by: Bill Bilodeau

Date of Analysis: 5/25/05

Phone:

Signature: Bill Bilodeau

Fax:

	Sample Location	Sample Type	Pump On	Pump Off	Flow Rate (LPM)	Time (Min.)	Air Volume (Liters)	Actual Count	Results (F/CC)
BBLES-51-B11	Field Blank							-1	
-B12	Field Blank							-1	-1
	Field Blank								
BBLES-51-36	AREA 109-01-11 @ 01 critical	1/4	0830	→			VOID - POWER FAILURE		
-37	AREA 109-01-13	1/4	0828	→			VOID -	POWER FAILURE	
-38	AREA # 109-01-24 @ critical	1/4	1333	1655	5.06	202	1022.12	20/100	.009 *
-39	AREA # 109-02-02 @ 03 STAIRS	1/4	1330	1700	5.06	210	1062.6	24/100	.011
	Reference Slide								
-39	Duplicate Slide							22/100	.010

Work Phase: 1) Background 2) Pre Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Bill Bilodeau Date 6/10/05

Received By: Date:

* LOTS OF PARTICLE DUST IN SAMPLE

ATC ASSOCIATES INC.

73 William Franks Dr.
West Springfield, MA. 01089
413.781.0070
Fax 413.781.3734

ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee, Inc.	GE Advanced Materials Bldg. 109	Bill Bilodeau	05/23 - 05/31/05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5
AAR ANALYST NAME:
DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
109 - B1	Field Blank	Field Blank		-1/100	
109 - B2	Field Blank	Field Blank		1/100	
109 - 52305 - F1	Area #109 - 02 - 05	Final Air Clearance	1216	18.5/100	.007
109 - 52305 - F2	Area #109 - 02 - 05	Final Air Clearance	1216	15/100	.006
109 - 52505 - F3	Area #109 Clean Room	Final Air Clearance	1140	10/100	.004
109 - 52505 - F4	Area #109 - 01 - 01/17	Final Air Clearance	1140	16/100	.007
109 - 52605 - F5	Area #109 - 03 - 02	Final Air Clearance	1109.60	8/100	.004
109 - 52605 - F6	Area #109 - 03 - 03	Final Air Clearance	1079.20	11/100	.005
109 - 53105 - F7	Area #109 - 01 - 01/17	Final Air Clearance	1276.80	18.5/100	.007
109 - 53105 - F8	Area #109 - 01 - 22	Final Air Clearance	1246.40	15.5/100	.006
109 - 53105 - F9	Area #109 - 01 - 16	Final Air Clearance	1246.40	16/100	.006
109 - 53105 - F10	Area #109 - 01 - 15	Final Air Clearance	1231.20	13/100	.005

AIR SAMPLING LOG

Project Name: GE ADVANCED MATERIALS
Project #: 81-01398-0043
Client: BBLES
Site Location: PITTSFIELD, MA
Work Area: SITE 1 DEMO - BLDG #109

Collection Date: MAY 23, 25, 26, 31, 2005
Project Monitor: BILL BILODEAU
Project Manager: DERRICK WISSMAN
Rotometer Number: ATC HF 128

~~Date~~ of Analysis: MAY 23 - 31, 2005
PCM or TEM (circe one)
If TEM Specify Turnaround Time: N/A
Analyst Signature: Bill Bilodeau
Send Results to: N/A

Sample #	Location or Worker Name / SSN / Task	Sample Type (1-10)	Pump On	Pump Off	Time (Mins)	Flow Rate (LPM)	Volume (Liters)	LOD	Actual Count (F/Flds)	Adjusted Count (F/Flds)	Result (F/CC)	Analyst ID Initials
109-B1	Field Blank	FINAL AIRS - BLDG #109							-1/100	-1	-1	BB
109-B2	Field Blank								1/100			
	Field Blank											
52305-109-F1	AREA #109-02-05	7	0750	0910	80	15.2/15.2	1216	5/100 .003	—	18.5/100	17.5/100	.007 BR
52305 109-F2	AREA #109-02-05	7	0750	0910	80		1216	5/100 .003	16/100	15/100	.006	BB
52505 109-F3	AREA #109 CLEAN ROOM	7	1445	1600	75		1140		11/100	10/100	.004	BB
52505 109-F4	AREA #109-01-01/17	7	1445	1600	75		1140		17/100	16/100	.007	BB
52605 109-F5	AREA #109-03-02	7	0732	0845	73		1109.60		9/100	8/100	.004	BB
52605 109-F6	AREA #109-03-03	7	0734	0845	71		1079.20		12/100	11/100	.005	BB
53105 109-F7	AREA 109-01-01	7	0730	0854	84		1276.80		19.5/100	18.5/100	.007	BB
53105 109-F8	AREA #109-01-22	7	0732	0854	82		1246.40		16.5/100	15.5/100	.006	BB
53105 109-F9	AREA #109-01-16	7	0734	0856	82		1246.40		17/100	16/100	.006	BB
53105 109-F10	AREA #109-01-15	7	0736	0857	81		1231.20		14/100	13/100	.005	BB
	Reference Slide											
109-F7	Duplicate Slide								21/100			

Work Phase: 1) Area Background 2) Pre-Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Bill Bilodeau Date: 6/3/05 Received By: _____ Date: _____

ATC ASSOCIATES INC.

73 William Franks Dr.
West Springfield, MA. 01089
413.781.0070
Fax 413.781.3734

ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee, Inc.	GE Advanced Materials Site 1	Bill Bilodeau	23-May-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AA000005
AAR ANALYST NAME:
DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
110 - B3	Field Blank	Field Blank		4/100	
110 - B4	Field Blank	Field Blank		2/100	
110 - 52305 F11	Area #110 - 02 - 03	Final Air Clearance	1216	8/100	.003

AIR SAMPLING LOG

Project Name: GE ADVANCED MATERIALS
Project #: 81-01398-0043
Client: BBES
Site Location: PITTSFIELD, MA
Work Area: SITE 1 DEMO - BLDG #110

Collection Date: MAY 23 - JUNE
Project Monitor: BILL BILODEAU
Project Manager: DERRICK WISSMAN
Rotometer Number: ATC 4F 128

Date of Analysis: MAY 23, JUNE
PCM or TEM (circe one)
If TEM Specify Turnaround Time:
Analyst Signature: Bill Bilodeau
Send Results to: N/A

Sample #	Location or Worker Name / SSN / Task	Sample Type (1-10)	Pump On	Pump Off	Time (Mins)	Flow Rate (LPM)	Volume (Liters)	LOD	Actual Count (F/Flds)	Adjusted Count (F/Flds)	Result (F/CC)	Analyst ID Initials
110-B3	Field Blank								4/100			
110-B4	Field Blank								2/100	-2	-2	BB
	Field Blank											
110-F11 52305	AREA #110-02-03	7	0741	0901	80	15.2/15.2	1216	5	10/100	8/100	.003	BB
	Reference Slide											
	Duplicate Slide											

FINAL AIRS - BLDG #110

(3)

Work Phase: 1) Area Background 2) Pre-Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Bill Bilodeau Date: 6/3/05 Received By: _____ Date: _____

ATC ASSOCIATES INC.

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West Springfield, MA. 01089
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ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee	GE Advanced Materials	Bill Bilodeau	3-Jun-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5
AAR ANALYST NAME:
DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
8BLES-S1-B13	Field Blank	Field Blank		-1/100	
8BLES-S1-B14	Field Blank	Field Blank		-1/100	
8BLES-S1-B40	Bldg #110 roof West	Background/during	1957.80	17/100	0.004
8BLES-S1-B41	Bldg #110 Roof @ decon	Background/during	1957.80	5/100	>0.003
8BLES-S1-B42	Bldg #110 Roof East	Background/during	1942.74	10/100	>0.003
8BLES-S1-B43	Bldg #110, Rm 110-02-01	Background/during	1857.40	14/100	0.004

Client Name: BLES

Project #: 81-0134X-0043

Date of Collection: 6/6/05

Job Site: GE Advanced Materials - Site 1 Demo

(PCM circled) or TEM (circle One)

If TEM Specify Turnaround Time:

Work Area: 110 Exterior Work Area

Analyst Signature: [signature]

Send TEM results to:

Collected by: Bill Bilodeau

Date of Analysis: 6-7-05

Phone:

Signature: [signature]

Fax:

	Sample Location	Sample Type	Pump On	Pump Off	Flow Rate (LPM)	Time (Min.)	Air Volume (Liters)	Actual Count	Results (F/CC)
BBLES-SIB13	Field Blank							-/	-/
B14	Field Blank							-/	-/
	Field Blank								
BBLES-SI-40	BLDG #110 Roof West	1/4	0730	1400	5.02/5.02	390	1957.80	17/100	.004
-41	BLDG #110 Roof @ Decon	1/4	0732	1402	5.02/5.02	390	1957.80	5/100	7.003
-42	BLDG # 110 Roof East	1/4	0738	1405	5.02/5.02	387	1942.74	10/100	>.003
-43	BLDG #110, RM 110-02-01	1/4	0800	1410	5.02/5.02	370	1857.40	14/100	.004
	Reference Slide								
-40	Duplicate Slide							18/100	.004

Work Phase: 1) Background 2) Pre Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: [signature] Date 6/10/05

Received By:

Date:

ATC ASSOCIATES INC.

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West Springfield, MA. 01089
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ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee	GE Advanced Materials	Bill Bilodeau	7-Jun-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5

AAR ANALYST NAME:

DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
BBLES-B15	field blank	Field Blank		0/100	
BBLES-B16	field blank	Field Blank		1/100	
BBLES-S1-44	Bldg #110-West Roof Area	Background/dur Re	1720.40	18/100	0.005
BBLES-S1-45	Bldg #110 Roof @ decon	Background/dur Re	1700.16	10.5/100	0.003
BBLES-S1-46	Bldg #112 Roof (East of #110)	Background/dur Re	1664.74	8/100	>0.003
BBLES-S1-47	Bldg #110-area #110-02-01	Background/dur Re	1669.80	9/100	>0.003
BBLES-S1-48	Bldg #110 Roof - west	Background/dur Re	1189.10	10/100	0.004
BBLES-S1-49	Bldg #110 roof @ decon	Background/dur Re	1194.16	6.5/100	>0.003
BBLES-S1-50	Bldg #112 roof (east of #110)	Background/dur Re	1199.22	4.5/100	>0.003
BBLES-S1-51	Bldg #110, area 110-02-01	Background/dur Re	1173.92	8/100	0.003

Client Name: BBLES

Job Site: GE - Site 1, Pittsfield

Work Area: Bldg #110 Exterior Roof

Collected by: Bill Bilodeau

Signature: Bill Bilodeau

Project #: 01-01377-0073

PCM or TEM (circle One)

Analyst Signature: Bill Bilodeau

Date of Analysis: 6-8-05

Date of Collection: - - -

If TEM Specify Turnaround Time ____ ____

Send TEM results to: ____

Phone: ____

Fax: ____

	Sample Location	Sample Type	Pump On	Pump Off	Flow Rate (LPM)	Time (Min.)	Air Volume (Liters)	* Actual Count	Results (F/CC)
BBLES-~~B15~~	Field Blank							0	2
~~B16~~	Field Blank							1	
	Field Blank								
BBLES-51-44	Bldg #110 - West Roof Area	1/4	0540	1120	5.06/5.06	340	1720.40	18/100	.005
-45	Bldg #110 Roof @ Decon		0545	1121		336	1700.16	10.5/100	.003
-46	Bldg #11R Roof (East of #110)		0554	1123		329	1664.74	8/100	>.003
-47	Bldg #110 - Area #110-02-01		0600	1130		330	1669.80	9/100	>.003
-48	Bldg #110 Roof - West		1120	1515		235	1189.10	10/100	.004
-49	Bldg #110 Roof @ Decon		1121	1517		236	1194.16	6.5/100	>.003
-50	Bldg #11R Roof (East of #110)		1123	1520		237	1199.22	4.5/100	>.003
-51	Bldg #110, Area 110-02-01	↓	1130	1522	↓	232	1173.92	8/100	.003
	Reference Slide								
-44	Duplicate Slide							14/100	.004

Work Phase:
1) Background
2) Pre Abatement
3) During Prep Work
4) During Removal
5) During Final Clean
6) During Glovebag Removal
7) Final Air Clearance
8) Personal Air Sample
9) Associated Work
10) Hazard Assessment

Relinquished By: Bill Bilodeau Date 6/10/05

Received By: ____ Date: ____

ATC ASSOCIATES INC.

73 William Franks Dr.
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ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee	General Electric, Pittsfield, MA	Bill Bilodeau	8-Jun-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5
AAR ANALYST NAME:
DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
BBLES-S1-B17	field Blank	field Blank		-1/100	
BBLES-S1-B18	field Blank	field Blank		-1/100	
BBLES-S1-B52	Bldg #110 - Roof-West Area	Background	1811.48	9/100	>0.003
BBLES-S1-B52	Bldg #110 - Roof-West Area	During Removal			
BBLES-S1-B53	Bldg #110 - Roof-Decon	Background	1811.48	8/100	>0.003
BBLES-S1-B53	Bldg #110 - Roof-Decon	During Removal			
BBLES-S1-B54	Bldg #111 - Roof - East of #110	Background	1811.48	10.5/100	0.003
BBLES-S1-B54	Bldg #111 - Roof - East of #110	During Removal			
BBLES-S1-B55	Bldg #110 = Rm #110-02-01	Background	1816.54	7/100	>0.003
BBLES-S1-B55	Bldg #110 = Rm #110-02-01	During Removal			
BBLES-S1-B56	Bldg #110 Roof - West Area	Background	1184.04	9/100	0.004
BBLES-S1-B56	Bldg #110 Roof - West Area	During Removal			
BBLES-S1-B57	Bldg #110 roof @ Decon	Background	11788.98	13/100	0.005
BBLES-S1-B57	Bldg #110 roof @ Decon	During Removal			
BBLES-S1-B58	Bldg #111 Roof - East of #110	Background	1184.04	6/100	>0.003
BBLES-S1-B58	Bldg #111 Roof - East of #110	During Removal			
BBLES-S1-B59	Bldg #110 - Rm #110-02-01	Background	1184.04	3/100	>0.003
BBLES-S1-B59	Bldg #110 - Rm #110-02-01	During Removal			

Client Name: GES

Project #: 81-013 0043

Date of Collection: 6/8/05

Job Site: GE ADVANCED MATERIALS

(PCM) or TEM (circle One)

If TEM Specify Turnaround Time:

Work Area: BLDG # 110 ROOF

Analyst Signature: Bill Bilodeau

Send TEM results to:

Collected by: BILL BILODEAU

Date of Analysis: 6/8 - 6/9/05

Phone:

Signature: Bill Bilodeau

Fax:

	Sample Location	Sample Type	Pump On	Pump Off	Flow Rate (LPM)	Time (Min.)	Air Volume (Liters)	Actual Count	Results (F/CC)
BBLES-S1-B17	Field Blank							-1	
-B16	Field Blank							-1	-1
	Field Blank								
BBLES-S1-52	BLDG # 110 ROOF - WEST AREA	1/4	0520	1118	5.06/5.06	358	1811.48	9/100	>.003
-53	BLDG # 110 ROOF @ DECON		0522	1120		358	1811.48	8/100	>.003
-54	BLDG # 111 ROOF - EAST of # 110		0523	1121		358	1811.48	10.5/100	.003
-55	BLDG # 110, RM # 110-02-01		0525	1124		359	1816.54	7/100	>.003
-56	BLDG # 110 ROOF - WEST AREA		1118	1512		234	1184.04	9/100	.004
-57	BLDG # 110 ROOF @ DECON		1120	1513		233	1178.98	13/100	.005
-58	BLDG # 111 ROOF - EAST of # 110		1121	1515		234	1184.04	6/100	>.003
-59	BLDG # 110 - RM # 110-02-01		1124	1518		234	1184.04	3/100	>.003
	Reference Slide								
-57	Duplicate Slide							10/100	.004

Work Phase:
1) Background
2) Pre Abatement
3) During Prep Work
4) During Removal
5) During Final Clean
6) During Glovebag Removal
7) Final Air Clearance
8) Personal Air Sample
9) Associated Work
10) Hazard Assessment

Relinquished By: Bill Bilodeau Date 6/10/05

Received By: Date:

ATC ASSOCIATES INC.

73 William Franks Dr.
West Springfield, MA. 01089
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ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee	General Electric, Pittsfield, MA	Bill Bilodeau	9-Jun-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5

AAR ANALYST NAME:

DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
BBLES-S1-819	Field blank	Field Blank		-2/100	
BBLES-S1-820	Field blank	Field Blank		-0/100	
BBLES-S1-60	Bldg #110 Roof - West Side	Background	2024	16.5/100	0.004
BBLES-S1-60	Bldg #110 Roof - West Side	during Removal			
BBLES-S1-61	Bldg #110 Roof - Decon	Background	2008.82	6/100	>0.003
BBLES-S1-61	Bldg #110 Roof - Decon	during Removal			
BBLES-S1-62	Bldg #111 Roof @ East of #110	Background	2003.76	8/100	>0.003
BBLES-S1-62	Bldg #111 Roof @ East of #110	during Removal			
BBLES-S1-63	Bldg #110 - Area #110-02-01	Background	2049.30	5/100	>0.003
BBLES-S1-63	Bldg #110 - Area #110-02-01	during Removal			

Client Name: BLES

Project #: 81-013 -0043

Date of Collection: 6-9-05

Job Site: GE ADVANCED MATERIALS

PCM or TEM (circle One)

If TEM Specify Turnaround Time

Work Area: Site 1 DEMO - BLDG #110 (EXTERIOR ROOF)

Analyst Signature: Bill Bilodeau

Send TEM results to:

Collected by: Bill Bilodeau

Date of Analysis: 6/10/05

Phone:

Signature: Bill Bilodeau

Fax:

	Sample Location	Sample Type	Pump On	Pump Off	Flow Rate (LPM)	Time (Min.)	Air Volume (Liters)	* Actual Count	Results (F/CC)
~~BLES-51~~ -B19	Field Blank							-2	-2
BLES -B20	Field Blank							-0	
	Field Blank								
BLES-51-60	BLDG #110 ROOF - WEST SIDE	1/4	0720	1400	5.06/5.06	400	2024	16.5/100	.004
-61	BLDG #110 ROOF @ DECON	1/4	0725	1402	↓	397	2008.82	6/100	.003
-62	BLDG #110 ROOF @ EAST OF #110	1/4	0727	1403	↓	396	2003.76	8/100	.003
-63	BLDG #110 - AREA #110-02-01	1/4	0730	1415	↓	405	2049.30	5/100	.003
	Reference Slide								
-60	Duplicate Slide							16/100	.004

Work Phase: 1) Background 2) Pre Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Bill Bilodeau Date 6/10/05

Received By: Date:

ATC ASSOCIATES INC.

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ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & lee	General Electric, Pittsfield, MA	Bill Bilodeau	10-Jun-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5
AAR ANALYST NAME:
DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
8BLES-S1-B1	field Blank	field Blank		<1/100	
8BLES-S1-B2	field Blank	field Blank		<1/100	
8BLES-SI-64	Bldg #110 - Roof-Westside	Background	1138.50	14/100	0.006
8BLES-SI-64	Bldg #110 - Roof-Westside	during Removal			
8BLES-SI-65	Bldg #110 - Roof-Decon	Background	1133.44	9/100	0.004
8BLES-SI-65	Bldg #110 - Roof-Decon	during Removal			
8BLES-SI-66	Bldg #111- Roof- (east of #110)	Background	1123.32	9.5/100	0.004
8BLES-SI-66	Bldg #111- Roof- (east of #110)	during Removal			
8BLES-SI-67	bldg #110-Rm #110-02-01	Background	1138.50	6/100	>0.003
8BLES-SI-67	bldg #110-Rm #110-02-01	during Removal			

Client Name: BLES

Job Site: GE ADVANCED MATERIALS - PITTSFIELD

Work Area: Site 1 - BLDG #110 ROOF

Collected by: Bill Bilodeau

Signature: Bill Bilodeau

Project #: 81-013 -0043

PCM or TEM (circle One)

Analyst Signature: Bill Bilodeau

Date of Analysis: 6-13-05

Date of Collection: 6-10-05

If TEM Specify Turnaround Time

Send TEM results to:

Phone:

Fax:

	Sample Location	Sample Type	Pump On	Pump Off	Flow Rate (LPM)	Time (Min.)	Air Volume (Liters)	Actual Count	Results (F/CC)
BBLES-S1-B1	Field Blank							-/	
-B2	Field Blank							-/	
	Field Blank								
BBLES-S1-64	BLDG #110 ROOF - WESTSIDE	4/4	0630	1015	5.06/5.06	225	1138.50	14/100	.006
-65	BLDG #110 ROOF @ DECON	4/4	0632	1016	5.06/5.06	224	1133.44	9/100	.004
-66	BLDG #111 ROOF (EAST of #110)	4/4	0635	1017	5.06/5.06	222	1123.32	9.5/100	.004
-67	BLDG #110 - RM #110-02-01	4/4	0640	1025	5.06/5.06	225	1138.50	6/100	>.003
	Reference Slide								
-64	Duplicate Slide							12/100	.005

Work Phase: 1) Background 2) Pre Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Date

Received By: Date:

ATC ASSOCIATES INC.

73 William Franks Dr.
West Springfield, MA. 01089
413.781.0070
Fax 413.781.3734

ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee	General Electric, Pittsfield, MA	Bill Bilodeau	13-Jun-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5
AAR ANALYST NAME:
DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
BBLES-SI-B3	field Blank	Field Blank		-2/100	
BBLES-SI-B4	field Blank	Field Blank		-2/100	
BBLES-SI-68	Bldg #110 Roof - West Side	Background	2670	22.5/100	0.004
BBLES-SI-68	Bldg #110 Roof - West Side	During Removal			
BBLES-SI-69	Bldg #110 Roof @ Decon	Background	2251.70	16.5/100	0.004
BBLES-SI-69	Bldg #110 Roof @ Decon	During Removal			
BBLES-SI-70	Bldg #111 roof (east of #110)	Background	2251.70	11/100	<0.003
BBLES-SI-70	Bldg #111 roof (east of #110)	During Removal			
BBLES-SI-71	Bldg #110-Area 110-02-01	Background	2251.70	8/100	<0.003
BBLES-SI-71	Bldg #110-Area 110-02-01	During Removal			

Client Name: YES

Job Site: GE ADVANCED MATERIALS

Work Area: SITE 1 - PITTSFIELD, MA

Collected by: BILL BEAUDEAU

Signature: Bill Beaudeau

Project #: 81-0139 0043

PCM or TEM (circle One)

Analyst Signature: Bill Beaudeau

Date of Analysis: 6-14-05

Date of Collection: 6-13-05

If TEM Specify Turnaround Time

Send TEM results to:

Phone:

Fax:

	Sample Location	Sample Type	Pump On	Pump Off	Flow Rate (LPM)	Time (Min.)	Air Volume (Liters)	Actual Count	Results (F/CC)
BBLES-51- B03	Field Blank							<2/100	
- B04	Field Blank							<2/100	> 7 - 2
	Field Blank								
BBLES-51- 68	BLDG # 110 ROOF - WEST SIDE	1/4	0730	1455	6.0/6.0	445	2670	22.5/100	.004
- 69	BLDG # 110 ROOF @ DECON	1/4	0732	1459	5.06/5.06	445	2251.70	16.5/100	.004
-70	BLDG # 111 ROOF (EAST OF #110)	1/4	0735	1500	5.06/5.06	445	2251.70	11/100	< .003
-71	BLDG # 110 - AREA 110-02-01	1/4	0740	1505	5.06/5.06	445	2251.70	8/100	< .003
	Reference Slide								
-68	Duplicate Slide							22/100	.004

Work Phase: 1) Background 2) Pre Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Date Received By: Date:

ATC ASSOCIATES INC.

73 William Franks Dr.
West Springfield, MA. 01089
413.781.0070
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ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee	General Electric, Pittsfield, MA	Peter J. Chiastawa	21-Jun-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5
AAR ANALYST NAME:
DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
6-21-01	field Blank	field Blank		0/100	
6-21-02	field Blank	field Blank		0/100	
6-21-03	Bldg #110-ACM Paint Removal - roof-Upper Level-Eas	Final Air Clearance	1275	10/100	0.004
6-21-04	Bldg #110-ACM Paint Removal - roof-Upper Level-We	Final Air Clearance	1275	8/100	0.003
6-21-05	Bldg #110-ACM Paint Removal - roof-Middle Level-No	Final Air Clearance	1290	9/100	0.003
6-21-06	Bldg #110-ACM Paint Removal - roof-Middle Level-sou	Final Air Clearance	1290	7/100	0.003
6-21-07	Bldg #110-ACM Paint Removal - roof-Lower Level-Eas	Final Air Clearance	1305	11/100	0.004
6-21-08	Bldg #110-ACM Paint Removal - roof-Lower Level-We	Final Air Clearance	1305	11/100	0.004

ATC ASSOCIATES INC. AIR QUALITY REPORT

Client Name: _____ Project #: 81-01398-0043 Date of Collection: 6/21/05

Job Site: G.E. PITTSFIELD. PCM or TEM (circle One) If TEM Specify Turnaround Time: _____

Work Area: ADVANCED MATERIALS - BLDG #110 Analyst Signature: Peter J. Chlastawa Send TEM results to: _____

Collected by: PETER J. CHLASTAWA Date of Analysis: 6/21/05 Phone: _____

Signature: Peter J. Chlastawa Fax: _____

	Sample Location	Sample Type	Pump On	Pump Off	Flow Rate (LPM)	Time (Min.)	Air Volume (Liters)	Actual Count	Results (F/CC)
6-21-01	Field Blank								
-02	Field Blank								
	Field Blank								
-03	BLDG #110 - A.C.M. PAINT REMOVAL Roof - UPPER LEVEL - EAST	T	0910	1035	15/15	85	1275	10/100	.004
-04	WEST		0911	1036	15/15	85	1275	8/100	.003
-05	MIDDLE LEVEL - NORTH		0914	1040	15/15	86	1290	9/100	.003
-06	SOUTH		0915	1041	15/15	86	1290	7/100	.003
-07	LOWER LEVEL - EAST		0918	1045	15/15	87	1305	11/100	.004
-08	WEST		0920	1046	15/15	87	1305	11/100	.004
A-05	Reference Slide							19/100	
-08	Duplicate Slide							10/100	

Work Phase: 1) Background 2) Pre Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

ATC ASSOCIATES INC.
73 William Franks Dr.
West Springfield, MA. 01089
413.781.0070
Fax 413.781.3734

ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee	General Electric, Pittsfield, MA	Peter J. Chiastawa	24-Jun-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5
AAR ANALYST NAME:
DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
6-24-09	field Blank	field Blank		0/100	
6-24-10	field Blank	field Blank		0/100	
6-24-11	Room 108-15	Final Air Clearance	1275	7/100	0.003
6-24-12	Room 108-15	Final Air Clearance	1275	9/100	0.003

ATC ASSOCIATES INC.

AIR QUALITY REPORT

Client Name: _____

Job Site: G.E. PITTSFIELD

Work Area: ADVANCED MATERIALS BLDG #108

Collected by: PETER J. CHLASTAWA

Signature: Peter J. Chlastawa

Project #: 81-01398-0043

(PCM) or TEM (circle One)

Analyst Signature: Peter J. Chlastawa

Date of Analysis: 6/24/05

Date of Collection: 6/24/05

If TEM Specify Turnaround Time: _____

Send TEM results to: _____

Phone: _____

Fax: _____

	Sample Location	Sample Type	Pump On	Pump Off	Flow Rate (LPM)	Time (Min.)	Air Volume (Liters)	* Actual Count	Results (F/CC)
6/24/-09	Field Blank								
-10	Field Blank								
	Field Blank								
11	RAA-108-15	7	05 30	06 55	15/15	85	1275	7/100	.003
12	" " "	7	05 30	06 55	15/15	85	1275	9/100	.003
B-07	Reference Slide							21/100	
-12	Duplicate Slide							8/100	

Work Phase:
1) Background
2) Pre Abatement
3) During Prep Work
4) During Removal
5) During Final Clean
6) During Glovebag Removal
7) Final Air Clearance
8) Personal Air Sample
9) Associated Work
10) Hazard Assessment

ATC ASSOCIATES INC.

73 William Franks Dr.
West Springfield, MA. 01089
413.781.0070
Fax 413.781.3734

ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee	General Electric, Pittsfield, MA	Peter J. Chlastawa	24-Jun-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5
AAR ANALYST NAME:
DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
a	field Blank	field Blank		0/100	
b	field Blank	field Blank		0/100	
6-24-01	Nam Gil Kim	Personal Air Samp	100	4/100	0.027
6-24-02	Juhu, Chang	Personal Air Samp	100	3/100	0.027
6-24-01A	Nam Gil Kim	Personal Air Samp	500	4/100	0.005
6-24-02A	Juhu, Chang	Personal Air Samp	600	6/100	0.005

PETER J. CHLASTAWA 6/24/05
Person Taking Samples Date

PETER J. CHLASTAWA 6/24/05
Analyst Name Date

Page 1 of 1

Peter J. Chlastawa
Signature

Peter J. Chlastawa
Signature

Weather Conditions

Client:

PROJECT NAME:

PROJECT NO:

ANALYTICAL DATA ANALYTICAL METHOD: NIOSH 7400 Lab License #: Field Diam MFA=

Sample ID No.	Pump No.	Cassette Type	Pump Calibration		Flow Rate (l/min)	Running Time		Total (min)	Volume (liters)	Fibers	Fields	Fibers/ Field	Results f/cc
			Before	After		Start	Stop						
6-24-01		PCM .8			2	0510	0600	50	100			4/100	.027
6-24-02		PCM .8			2	0510	0600	50	100			3/100	.027
6-24-01A		PCM .8			2	0600	0930	250	500			4/100	.005
6-24-02A		PCM .8			2	0600	1000	300	600			6/100	.005
		PCM .8											
		PCM .8											
		PCM .8											
		PCM .8											
		PCM .8											
		PCM .8											

DESCRIPTIVE INFORMATION

Sample ID #(s)	Sample Type	Worker's Name	Social Security No.	Location	Activity	Type of Respirator	Results 8 Hr. TWA	Results 30-minute STEL	Worker's Initials
6-24-01+01A	Personal	NAM GIL KIM	X	EXTERIOR PIPE RACK	GLOVE BAG.	1/2 FACE.	.009		
6-24-02+02A	Personal	JUHUI CHANG		" "	" "	" "	.009		
	Personal								
	Personal								
	Personal								

COMMENTS:

KEYS TO ABBREVIATIONS

ACTIVITY TYPE: REM = removal; SB = sandblasting; CLN = clean-up; HS = hand scrape; BGLO = bag lead out; PREP = prep site; IC = inside containment; OC = outside containment

RESPIRATOR TYPE; HFN = half face neg.; FF = full face neg.; PAPR = powered air purifying; SAC = supplied air cont.; SAPD supplied air press. demand; BLHEM = blasting helmet; SCBA = SCBA

$$TWA = \frac{(C1*T1 + C2*T2 + C3*T3)}{T1 + T2 + T3}$$

Exposures are represented of those individuals whose names are listed on the attached Containment Record(S)

4/6/2005

ATC ASSOCIATES INC.

73 William Franks Dr.
West Springfield, MA. 01089
413.781.0070
Fax 413.781.3734

ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee	General Electric, Pittsfield, MA	Peter J. Chlastawa	28-Jun-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5
AAR ANALYST NAME:
DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
6-28-13	Field Blank	field Blank		0/100	
6-28-14	Field Blank	field Blank		0/100	
6-28-15	Bldg #109-West Side Transite Removal	Background	640	3/100	<0.004
6-28-15	Bldg #109-West Side Transite Removal	Pre-Abatement			
6-28-15	Bldg #109-West Side Transite Removal	during Prep Work			
6-28-15	Bldg #109-West Side Transite Removal	During Removal			
6-28-16	Bldg #109-West Side Transite Removal	Background	640	5/100	<0.004
6-28-16	Bldg #109-West Side Transite Removal	Pre-Abatement			
6-28-16	Bldg #109-West Side Transite Removal	during Prep Work			
6-28-16	Bldg #109-West Side Transite Removal	During Removal			
6-28-17	Bldg #109-West Side Transite Removal	Background	1160	7/100	0.003
6-28-17	Bldg #109-West Side Transite Removal	Pre-Abatement			
6-28-17	Bldg #109-West Side Transite Removal	during Prep Work			
6-28-17	Bldg #109-West Side Transite Removal	During Removal			
6-28-18	Bldg #109-West Side Transite Removal	Background	1160	5/100	<0.002
6-28-18	Bldg #109-West Side Transite Removal	Pre-Abatement			
6-28-18	Bldg #109-West Side Transite Removal	during Prep Work			
6-28-18	Bldg #109-West Side Transite Removal	During Removal			

ATC ASSOCIATES INC.

AIR QUALITY REPORT

Client Name: _____

Job Site: G.E. - ADVANCED MATERIALS

Work Area: BLDG # 109

Collected by: PETER J. CHLASTAWA

Signature: Peter J Chlastawa

Project #: 81-01398-0043

(PCM) or TEM (circle One)

Analyst Signature: Peter J Chlastawa

Date of Analysis: 6/28/05

Date of Collection: 6/28/05

If TEM Specify Turnaround Time _____

Send TEM results to: _____

Phone: _____

Fax: _____

	Sample Location	Sample Type	Pump On	Pump Off	Flow Rate (LPM)	Time (Min.)	Air Volume (Liters)	* Actual Count	Results (F/CC)
6-28- 13	Field Blank								
- 14	Field Blank								
	Field Blank								
* - 15	BLDG # 109 - WEST SIDE TRANSITE REMOVAL	1-4	0540	0700	8 / 8	80	640	3/100	L.004
* - 16		1-4	0540	0700	8 / 8	80	640	5/100	L.004
* - 17		1-4	0755	1020	8 / 8	145	1160	7/100	.003
* - 18		1-4	0755	1020	8 / 8	145	1160	5/100	L.002
*	Samples Stopped Due To Rain.								
- B-02	Reference Slide								
- 18	Duplicate Slide							22/100	
								6/100	

Work Phase:
1) Background
2) Pre Abatement
3) During Prep Work
4) During Removal
5) During Final Clean
6) During Glovebag Removal
7) Final Air Clearance
8) Personal Air Sample
9) Associated Work
10) Hazard Assessment

ATC ASSOCIATES INC.

73 William Franks Dr.
West Springfield, MA. 01089
413.781.0070
Fax 413.781.3734

ASBESTOS PCM AIR SAMPLE ANALYSIS REPORT

CLIENT NAME	JOB SITE	SAMPLED BY	DATE SAMPLED	ATC JOB #
Blasland, Bouck & Lee	General Electric, Pittsfield, MA	David Abad	8-Jul-05	81-01398-0043

ANALYTICAL SERVICE LICENSE #: AAOOOOO5
AAR ANALYST NAME:
DATE OF ANALYSIS:

SAMPLE #	SAMPLE LOCATION	SAMPLE TYPE	VOLUME	FIBERS/FIELD	FIBERS/CC
GE108MAN-0	field Blank	field Blank		0/100	
GE108MAN-00	field Blank	field Blank		0/100	
GE108MAN-01	Opening to Manhole	hazard Assessmer	1200	4/100	0.002
GE108MAN-02	Opening to Manhole	hazard Assessmer	1200	6/100	0.002

ATC ASSOCIATES INC.

Client #:
Project #: 81-01398-0043
Job Site: GE PLASTIC - PITTSFIELD
Work Area: BLDG 108 - MANHOLE
Date of Collection: 7-8-05
Collected By: DAVID ABAD
Signature: D Abad

AIR QUALITY REPORT

Analysis: 7-8-05
(PCM) or TEM (circle One)
If TEM Specify Turnaround Time
Analyst Signature: D Abad
Send TEM results to:
Phone:
Fax:

Sample #	Sample Location	Sample Type	Pump On	Pump Off	Flow Rate (LPM)	Time (Min.)	Air Volume (Liters)	Actual Count	Results (F/CC)
								0/100	
GE108MAN-0	Field Blank							0/100	
GE108MAN-00	Field Blank								
	Field Blank								
GE108MAN-01	Opening to manhole	10	8:15	8:30	16.0	75	1200	4/100	.002
GE108MAN-02	Opening to manhole	10	8:16	8:31	16.0	75	1200	6/100	.002
A04	Reference Slide							11/100	
GE108MAN-01	Duplicate Slide							4/100	.002

Work Phase: 1) Background 2) Pre Abatement 3) During Prep Work 4) During Removal 5) During Final Clean 6) During Glovebag Removal 7) Final Air Clearance 8) Personal Air Sample 9) Associated Work 10) Hazard Assessment

Relinquished By: Date

Received By: Date:

Appendix E

HCFC Recovery Record

BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

FOUR SEASONS HEATING COOLING, INC.

HCFC RECOVERY RECORD

7-1-05

BLDG	FLOOR		MFG	MODEL	SERIAL	DATE REFRIGERANT & AMOUNT	
~~110-1-11~~							
110-1-11	ground Floor		B&G Icemaker	series 100	CAN'T Find IT	EMT	
110-1-05	" " SAMLL AC		ON Floor ALLReady	AC window	CAN'T Find ANY	EMT	
110-1-19	ground Floor		G.E window AC	CAN'T Find ANY		EMT	
110-B-L	Roof		NO NAME	RooFtop	NO NUMBers	1/2 LB	
110-3-01	SMALL Room		trane CHILLer	NONE	NONE	EMT	
110-3-01	SMALL Room		Ingersoll-Rand	AIR DRYer Removed		EMT	
109-15	ground Floor		G.E	AGDS824DOXH1	LV301833	1/2 LB	
109-16	"	"	Comfort AIR	R-183A	0D0701436	1 1/2 LB	
109-16	"	"	Heat controller	NO NUMBers can Be Found		1/2 LB	
109-19	"	"	Refrigerator	Single Door	524252P16	EMT	
109-19	"	"	Window AC	31-6879-0	CAN'T Find one	EMT	
109-20	"	"	window AC	AVM22DAR1	DM273111	20 OZ	
108-21	"	"	REFRIGERATOR G.E	NO NUMBers	ANY WAVE	38 OZ	
108-18	"	"	Window AC	" "	" "	EMT	
108-15	"	"	Carrier	38TH0486000	4288E15541	EMT	
108-15	"	"	G.E.	One of SIX (6)	NO NUMBers ON ANY	EMT	
109-07	"	"	GE	Weather Tron		EMT	1
109-05	"	"	GE	on pallets		"	2
" "	"	"	GE			"	3
" "	"	"	GE			"	4
" "	"	"	GE			"	5
			GE			"	6
108-13	"	"	window AC	NO NUMBers		EMT	

FOUR SEASONS HEATING COOLING, INC.

HCFC RECOVERY RECORD

BLDG	FLOOR	MFG	MODEL	SERIAL	DATE 3-31-05 REFRIGERANT & AMOUNT
109	outside	Carrier split syt.	38AB-014	R594336	10LBs
110	Roof top	GE	ATC048D3C0DC	W20246141	2 1/2 LB
110	window shaker 2nd floor	Heat controler Inc.	WU863HE8	28906-202426	1LB
112	Roof top	Carrier	50LJC05320	1093G31757	3LB
112	Roof top	G.E. 22405	Face plate not	Readable	4LB
112	1st FL. LAB window	Heat controler Inc.	WU363HE6	28710-220653	1 1/2 LB
110	1st FL Lathe Rooms	Challenger	KM18H30	91CS01668	1LB
110	1st FL window AC	Challenger	KM24H30	91CS08265	1LB
109	Roof TRANE	TRANE	TCD090D400BC	K41102243D	6 1/2 LB
109	Top of Roof 110	G.E.	Numbers all	Rusted off	0LB EMT

FOUR SEASONS HEATING COOLING, INC.

HCFC RECOVERY RECORD

3-29-05

BLDG	FLOOR	MFG	MODEL	SERIAL	DATE REFRIGERANT & AMOUNT
113	ROOF UNIT	TRANE	CRHR400C-2HAT	A-9H40M42641	GOOD
114	ROOF UNIT	TRANE	CRHR400C-2HAT	B-9H40M00335	GOOD

FOUR SEASONS HEATING COOLING, INC.

HCFC RECOVERY RECORD

3-30-05

BLDG	FLOOR	MFG	MODEL	SERIAL	DATE REFRIGERANT & AMOUNT
114	3	TRANE	SWUB-B304-E	S88B09525	1½ LB.
114	ground floor	Liebert	CU-66A-A00	FOQAACU066A-A00	4½ LB
114	"	Hankison AIR DRYer	5010	03DQA-40861255 SN	EMT
114	Ground Floor out side	Carrier	50CH006300DA	S183G89-033	2 LB
114	Out side	GE	BGTA090040	2162921633 5350	EMT
114	outside	GE	can't find	can't find	EMT
111 and 112	out front	TRANE	TTA180B400BA	530198445	EMT
111	Inside ground Floor	window shaker	WU363HES	28710-220652	1½ LB

FOUR SEASONS HEATING COOLING, INC.

HCFC RECOVERY RECORD

BLDG	FLOOR	MFG	MODEL	SERIAL	DATE 4-4-05 REFRIGERANT & AMOUNT
110-1-09	Ground Floor	Carrier Heat Pump	5VQ042600	X100 688	EMT
110-1-06	" "	Edwards W.C.	OOSA	83B3121	EMT
108-15	" "	Heat Control Are	WV183HE	28901-115782	22OZ
108-15	" "	DIXIE NARCO	DN5592	6K2-809182	EMT
108-15	" "	DIXIE NARCO	DNCB-440/252-7	10001-EXW	EMT
108-	Roof	GE Roof-top	21TC048B3C	240515-026	3LBS
108	Split syst Roof	GE	BTB912A100A0	245325802	EMT
108-20	Ground Floor	Heat control are	No Number To Be Found		EMT

FOUR SEASONS HEATING AND COOLING, INC.

FREON R-113 TRIChLorotriFluoroethane

REFRIGERANT RECOVERY RECORD

BLDG	FLOOR	MFG	MODEL	SERIAL	Date / REFRIGERANT & AMOUNT
					4-15-05
109	outside 109-110	GENERAL ELECTRIC	M-156258	GEK5696-GEK5699	R-113 86 GAL.
	PROFILE# MAR 5?1531 B#32		DRUMS B1582 & B1583		
109	INdoors 109	GENERAL ELECTRIC	M-156545	GEK45292 GEK5683	R-113 51 GALS
					940 LB
			DRUMS B1581 & B1584		940 LB

techician's MICHAEL J JAMULA [signature]

FOUR SEASONS HEATING AND COOLING, INC.

Trichlorotrifluoroethane

REFRIGERANT RECOVERY RECORD

BLDG	FLOOR	MFG	MODEL	SERIAL	Date 4-18-05 REFRIGERANT & AMOUNT
109	Outside 109-110	General Electric	M-15625	GEK5696 GEK5697	4 Gal R-113
	DRUM # C1393				
109	Inside	General Electric	M-15654S	GEK45272	R-113
				GEK5685	3 gal
		DRUM	C1380		

techs Mike Tamulit

Appendix F

City of Pittsfield Demolition Permit

BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

Contractor Copy **City of Pittsfield, MA Buildings Commissioner** (413) 499-9440

Permit # 2005-632 Date 6/14/2005

Application to DEMOLISH Permit To Demolish Building#114/114X

Permit Address PLASTICS AVE-MERRILL Parcel K120009001

Zoning District IG Dwelling Units 0 Stories 0 Class 440 Occ/Use Factory / F-1

Property Owner GENERAL ELECTRIC COMPANY Address 100 WOODLAWN AVE

Owner City PITTSFIELD State MA Zip 01201 Street Value 6120

Type of Construction 3 Est Cost of Construction $50,000.00 Public Water? Public Sewer?

Architect Engineer

Contractor Sabre Demolition MA 03-1181 Amount $50.00

Signature of Applicant Buildings Commissioner

Persons contracting with unregistered contractors do not have access to the guaranty fund (as set forth in MGL c. 142A)

All water and sewer services must be checked with the Engineering Dept. All sub surface sewer disposal must be checked with the Health Dept. No work under this permit shall be covered or concealed from view until approved in writing by the Building Inspector. This permit is subject to all Federal, State, and Local Laws and regulations and may be revoked if their requirements are violated.

- ☐ PIER / FOUNDATION
- ☐ FRAMING and FIRE CAULKING
- ☐ INSULATION
- ☑ BEFORE FILLING HOLE
- ☑ FINAL

City of Pittsfield, Massachusetts
Building Commissioner
(413) 499-9440

Permit # 2005-632

Date 6/14/2005

Application for Certificate of Occupancy

Address **PLASTICS AVE-MERRILL** Application to **Demolish Building#114/114X**

BUILDING INSPECTOR	PLUMBING and GAS INSPECTOR	ELECTRICAL INSPECTOR
Foundation approval ☐	underground approved ☐	service approved ☐
Violations noted	rough piping approved ☐	rough wiring approved ☐
Date	gas test approved ☐	
	Approval for C of O ☐	Approval for C of O ☐
lath or framing approved ☐	**FIRE DEPARTMENT**	**HEALTH DEPARTMENT**
Violations noted	approval of oil burner ☐	septic field approved ☐
	approval of smoke detector ☐	Approval for C of O ☐
Date	Approval for C of O ☐	Date
Final Inspection Approval C of ☑	**CONSERVATION**	**PUBLIC UTILITIES**
Date 9/14/05	Approval for C of O ☐	Approval for C of O ☐

EJM

Contractor Copy **City of Pittsfield, MA Buildings Commissioner** (413) 499-9440

Permit # 2005-694 Date 6/22/2005

Application to DEMOLISH Permit To Demolish Building #107

Permit Address PLASTICS AVE-MERRILL Parcel K120009001

Zoning District IG Dwelling Units 0 Stories 0 Class 440 Occ/Use

Property Owner GENERAL ELECTRIC COMPANY Address 100 WOODLAWN AVE

Owner City PITTSFIELD State MA Zip 01201 Street Value 6120

Type of Construction Est Cost of Construction Public Water? Public Sewer?

Architect Engineer

Contractor Sabre Demolition #03-1181 Amount $50.00

Signature of Applicant Buildings Commissioner

Persons contracting with unregistered contractors do not have access to the guaranty fund (as set forth in MGL c142A)

All water and sewer services must be checked with the Engineering Dept. All sub surface sewer disposal must be checked with the Health Dept. No work under this permit shall be covered or concealed from view until approved in writing by the Building Inspector. This permit is subject to all Federal, State, and Local Laws and regulations and may be revoked if their requirements are violated.

- [ ] PIER / FOUNDATION
- [ ] FRAMING and FIRE CAULKING
- [ ] INSULATION
- [x] BEFORE FILLING HOLE
- [x] FINAL

City of Pittsfield, Massachusetts
Building Commissioner
(413) 499-9440

Permit # 2005-694

Date 6/22/2005

Application for Certificate of Occupancy

Address **PLASTICS AVE-MERRILL** Application to **Demolish Building #107**

BUILDING INSPECTOR	PLUMBING and GAS INSPECTOR	ELECTRICAL INSPECTOR
Foundation approval ☐	underground approved ☐	service approved ☐
Violations noted	rough piping approved ☐	rough wiring approved ☐
	gas test approved ☐	
Date	Approval for C of O ☐	Approval for C of O ☐
lath or framing approved ☐	**FIRE DEPARTMENT**	**HEALTH DEPARTMENT**
Violations noted	approval of oil burner ☐	septic field approved ☐
	approval of smoke detector ☐	Approval for C of O ☐
Date	Approval for C of O ☐	Date
Final Inspection Approval C of ☐	**CONSERVATION**	**PUBLIC UTILITIES**
Date 9/14/05	Approval for C of O ☐	Approval for C of O ☐

EM OK.

Contractor Copy **City of Pittsfield, MA Buildings Commissioner** (413) 499-9440

Permit # 2005-695 Date 6/22/2005

Application to DEMOLISH Permit To Demolish Building #108

Permit Address PLASTICS AVE-MERRILL Parcel K120009001

Zoning District IG Dwelling Units 0 Stories 0 Class 440 Occ/Use

Property Owner GENERAL ELECTRIC COMPANY Address 100 WOODLAWN AVE

Owner City PITTSFIELD State MA Zip 01201 Street Value 6120

Type of Construction Est Cost of Construction Public Water? Public Sewer?

Architect Engineer

Contractor Sabre Demolition #03-1181 Amount $50.00

Signature of Applicant Buildings Commissioner

Persons contracting with unregistered contractors do not have access to the guaranty fund (as set forth in MGL c.142A)

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☐ FRAMING and FIRE CAULKING
☐ INSULATION
☑ BEFORE FILLING HOLE
☑ FINAL

City of Pittsfield, Massachusetts
Building Commissioner
(413) 499-9440

Permit # 2005-695
Date 6/22/2005

Application for Certificate of Occupancy

Address **PLASTICS AVE-MERRILL** Application to **Demolish Building #108**

BUILDING INSPECTOR	PLUMBING and GAS INSPECTOR	ELECTRICAL INSPECTOR
Foundation approval ☐	underground approved ☐	service approved ☐
Violations noted	rough piping approved ☐	rough wiring approved ☐
	gas test approved ☐	
Date	Approval for C of O ☐	Approval for C of O ☐
lath or framing approved ☐	**FIRE DEPARTMENT**	**HEALTH DEPARTMENT**
Violations noted	approval of oil burner ☐	septic field approved ☐
	approval of smoke detector ☐	Approval for C of O ☐
Date	Approval for C of O ☐	Date
Final Inspection Approval C of ☐	**CONSERVATION**	**PUBLIC UTILITIES**
Date 9/14/05	Approval for C of O ☐	Approval for C of O ☐

Contractor Copy **City of Pittsfield, MA Buildings Commissioner** (413) 499-9440

Permit # 2005-697 Date 6/22/2005

Application to DEMOLISH Permit To Demolish Building #109

Permit Address PLASTICS AVE-MERRILL Parcel K120009001

Zoning District IG Dwelling Units 0 Stories 0 Class 440 Occ/Use

Property Owner GENERAL ELECTRIC COMPANY Address 100 WOODLAWN AVE

Owner City PITTSFIELD State MA Zip 01201 Street Value 6120

Type of Construction Est Cost of Construction Public Water? Public Sewer?

Architect Engineer

Contractor Sabre Demolition #03-1181 Amount $50.00

Signature of Applicant Buildings Commissioner

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All water and sewer services must be checked with the Engineering Dept. All sub surface sewer disposal must be checked with the Health Dept. No work under this permit shall be covered or concealed from view until approved in writing by the Building Inspector. This permit is subject to all Federal, State, and Local Laws and regulations and may be revoked if their requirements are violated.

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City of Pittsfield, Massachusetts
Building Commissioner
(413) 499-9440

Permit # 2005-697
Date 6/22/2005

Application for Certificate of Occupancy

Address **PLASTICS AVE-MERRILL** Application to **Demolish Building #109**

BUILDING INSPECTOR	PLUMBING and GAS INSPECTOR	ELECTRICAL INSPECTOR
Foundation approval ☐	underground approved ☐	service approved ☐
Violations noted	rough piping approved ☐	rough wiring approved ☐
	gas test approved ☐	
Date	Approval for C of O ☐	Approval for C of O ☐
lath or framing approved ☐	**FIRE DEPARTMENT**	**HEALTH DEPARTMENT**
Violations noted	approval of oil burner ☐	septic field approved ☐
	approval of smoke detector ☐	Approval for C of O ☐
Date	Approval for C of O ☐	Date
Final Inspection Approval C of ☐	**CONSERVATION**	**PUBLIC UTILITIES**
Date 9/14/05	Approval for C of O ☐	Approval for C of O ☐

ok.

Contractor Copy **City of Pittsfield, MA Buildings Commissioner** (413) 499-9440

Permit # 2005-698 Date 6/22/2005

Application to DEMOLISH Permit To Demolish building #110

Permit Address PLASTICS AVE-MERRILL Parcel K120009001

Zoning District IG Dwelling Units 0 Stories 0 Class 440 Occ/Use

Property Owner GENERAL ELECTRIC COMPANY Address 100 WOODLAWN AVE

Owner City PITTSFIELD State MA Zip 01201 Street Value 6120

Type of Construction Est Cost of Construction Public Water? Public Sewer?

Architect Engineer

Contractor Sabre Demolition# 03-1181 Amount $50.00

Signature of Applicant Buildings Commissioner

Persons contracting with unregistered contractors do not have access to the guaranty fund (as set forth in MGL c.142A)

All water and sewer services must be checked with the Engineering Dept. All sub surface sewer disposal must be checked with the Health Dept. No work under this permit shall be covered or concealed from view until approved in writing by the Building Inspector. This permit is subject to all Federal, State, and Local Laws and regulations and may be revoked if their requirements are violated.

☐ PIER / FOUNDATION
☐ FRAMING and FIRE CAULKING
☐ INSULATION
☑ BEFORE FILLING HOLE
☐ FINAL

City of Pittsfield, Massachusetts
Building Commissioner
(413) 499-9440

Permit # 2005-698
Date 6/22/2005

Application for Certificate of Occupancy

Address **PLASTICS AVE-MERRILL** Application to **Demolish building #110**

BUILDING INSPECTOR	PLUMBING and GAS INSPECTOR	ELECTRICAL INSPECTOR
Foundation approval ☐	underground approved ☐	service approved ☐
Violations noted	rough piping approved ☐	rough wiring approved ☐
	gas test approved ☐	
Date	Approval for C of O ☐	Approval for C of O ☐
lath or framing approved ☐	**FIRE DEPARTMENT**	**HEALTH DEPARTMENT**
Violations noted	approval of oil burner ☐	septic field approved ☐
	approval of smoke detector ☐	Approval for C of O ☐
Date	Approval for C of O ☐	Date
Final Inspection Approval C of O ☑	**CONSERVATION**	**PUBLIC UTILITIES**
Date 9/14/05	Approval for C of O ☐	Approval for C of O ☐

Contractor Copy **City of Pittsfield, MA Buildings Commissioner** (413) 499-9440

Permit # 2005-699 Date 6/22/2005

Application to DEMOLISH Permit To Demolish Building #111

Permit Address PLASTICS AVE-MERRILL Parcel K120009001

Zoning District IG Dwelling Units 0 Stories 0 Class 440 Occ/Use

Property Owner GENERAL ELECTRIC COMPANY Address 100 WOODLAWN AVE

Owner City PITTSFIELD State MA Zip 01201 Street Value 6120

Type of Construction Est Cost of Construction Public Water? Public Sewer?

Architect Engineer

Contractor Sabre Demolition #03-1181 Amount $50.00

Signature of Applicant Buildings Commissioner

Persons contracting with unregistered contractors do not have access to the guaranty fund (as set forth in MGL c.142A)

All water and sewer services must be checked with the Engineering Dept. All sub surface sewer disposal must be checked with the Health Dept. No work under this permit shall be covered or concealed from view until approved in writing by the Building Inspector. This permit is subject to all Federal, State, and Local Laws and regulations and may be revoked if their requirements are violated.

- ☐ PIER / FOUNDATION
- ☐ FRAMING and FIRE CAULKING
- ☐ INSULATION
- ☑ BEFORE FILLING HOLE
- ☑ FINAL

City of Pittsfield, Massachusetts
Building Commissioner
(413) 499-9440

Permit # 2005-699

Date 6/22/2005

Application for Certificate of Occupancy

Address **PLASTICS AVE-MERRILL** Application to **Demolish Building #111**

BUILDING INSPECTOR	PLUMBING and GAS INSPECTOR	ELECTRICAL INSPECTOR
Foundation approval ☐	underground approved ☐	service approved ☐
Violations noted	rough piping approved ☐	rough wiring approved ☐
	gas test approved ☐	
Date	Approval for C of O ☐	Approval for C of O ☐
lath or framing approved ☐	**FIRE DEPARTMENT**	**HEALTH DEPARTMENT**
Violations noted	approval of oil burner ☐	septic field approved ☐
	approval of smoke detector ☐	Approval for C of O ☐
Date	Approval for C of O ☐	Date
Final Inspection Approval C of ☐	**CONSERVATION**	**PUBLIC UTILITIES**
Date 9/14/05	Approval for C of O ☐	Approval for C of O ☐

Contractor Copy **City of Pittsfield, MA Buildings Commissioner** (413) 499-9440

Permit # 2005-700 Date 6/22/2005

Application to DEMOLISH Permit To Demolish Building #112

Permit Address PLASTICS AVE-MERRILL Parcel K120009001

Zoning District IG Dwelling Units 0 Stories 0 Class 440 Occ/Use

Property Owner GENERAL ELECTRIC COMPANY Address 100 WOODLAWN AVE

Owner City PITTSFIELD State MA Zip 01201 Street Value 6120

Type of Construction Est Cost of Construction Public Water? Public Sewer?

Architect Engineer

Contractor Sabre Demolition #03-1181 Amount $50.00

Signature of Applicant Buildings Commissioner

Persons contracting with unregistered contractors do not have access to the guaranty fund (as set forth in MGL c. 142A)

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- ☑ BEFORE FILLING HOLE
- ☑ FINAL

City of Pittsfield, Massachusetts
Building Commissioner
(413) 499-9440

Permit # 2005-700

Date 6/22/2005

Application for Certificate of Occupancy

Address **PLASTICS AVE-MERRILL** Application to **Demolish Building #112**

BUILDING INSPECTOR	PLUMBING and GAS INSPECTOR	ELECTRICAL INSPECTOR
Foundation approval ☐	underground approved ☐	service approved ☐
Violations noted	rough piping approved ☐	rough wiring approved ☐
	gas test approved ☐	
Date	Approval for C of O ☐	Approval for C of O ☐
lath or framing approved ☐	**FIRE DEPARTMENT**	**HEALTH DEPARTMENT**
Violations noted	approval of oil burner ☐	septic field approved ☐
	approval of smoke detector ☐	Approval for C of O ☐
Date	Approval for C of O ☐	Date
Final Inspection Approval C of O ☑	**CONSERVATION**	**PUBLIC UTILITIES**
Date 9/14/05	Approval for C of O ☐	Approval for C of O ☐

Contractor Copy **City of Pittsfield, MA Buildings Commissioner** (413) 499-9440

Permit # 2005-701 Date 6/22/2005

Application to DEMOLISH Permit To Demolish Building # 113

Permit Address PLASTICS AVE-MERRILL Parcel K120009001

Zoning District IG Dwelling Units 0 Stories 0 Class 440 Occ/Use

Property Owner GENERAL ELECTRIC COMPANY Address 100 WOODLAWN AVE

Owner City PITTSFIELD State MA Zip 01201 Street Value 6120

Type of Construction Est Cost of Construction Public Water? Public Sewer?

Architect Engineer

Contractor Sabre Demolition #03-1181 Amount $50.00

Signature of Applicant Buildings Commissioner

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- ☐ FRAMING and FIRE CAULKING
- ☐ INSULATION
- ☑ BEFORE FILLING HOLE
- ☑ FINAL

City of Pittsfield, Massachusetts
Building Commissioner
(413) 499-9440

Permit # 2005-701

Date 6/22/2005

Application for Certificate of Occupancy

Address **PLASTICS AVE-MERRILL** Application to **Demolish Building # 113**

BUILDING INSPECTOR	PLUMBING and GAS INSPECTOR	ELECTRICAL INSPECTOR
Foundation approval ☐	underground approved ☐	service approved ☐
Violations noted	rough piping approved ☐	rough wiring approved ☐
	gas test approved ☐	
Date	Approval for C of O ☐	Approval for C of O ☐
lath or framing approved ☐	**FIRE DEPARTMENT**	**HEALTH DEPARTMENT**
Violations noted	approval of oil burner ☐	septic field approved ☐
	approval of smoke detector ☐	Approval for C of O ☐
Date	Approval for C of O ☐	Date
Final Inspection Approval C of O	**CONSERVATION**	**PUBLIC UTILITIES**
Date 9/14/05	Approval for C of O ☐	Approval for C of O ☐

Contractor Copy **City of Pittsfield, MA Buildings Commissioner** (413) 499-9440

Permit # 2005-702 Date 6/22/2005

Application to DEMOLISH Permit To Demolish Building # 115

Permit Address PLASTICS AVE-MERRILL Parcel K120009001

Zoning District IG Dwelling Units 0 Stories 0 Class 440 Occ/Use

Property Owner GENERAL ELECTRIC COMPANY Address 100 WOODLAWN AVE

Owner City PITTSFIELD State MA Zip 01201 Street Value 6120

Type of Construction Est Cost of Construction Public Water? Public Sewer?

Architect Engineer

Contractor Sabre Demolition #03-1181 Amount $50.00

Signature of Applicant Buildings Commissioner

Persons contracting with unregistered contractors do not have access to the guaranty fund (as set forth in MGL c.142A)

All water and sewer services must be checked with the Engineering Dept. All sub surface sewer disposal must be checked with the Health Dept. No work under this permit shall be covered or concealed from view until approved in writing by the Building Inspector. This permit is subject to all Federal, State, and Local Laws and regulations and may be revoked if their requirements are violated.

- ☐ PIER / FOUNDATION
- ☐ FRAMING and FIRE CAULKING
- ☐ INSULATION
- ☑ BEFORE FILLING HOLE
- ☐ FINAL

City of Pittsfield, Massachusetts
Building Commissioner
(413) 499-9440

Permit # 2005-702

Date 6/22/2005

Application for Certificate of Occupancy

Address **PLASTICS AVE-MERRILL** Application to **Demolish Building # 115**

BUILDING INSPECTOR	PLUMBING and GAS INSPECTOR	ELECTRICAL INSPECTOR
Foundation approval ☐	underground approved ☐	service approved ☐
Violations noted	rough piping approved ☐	rough wiring approved ☐
	gas test approved ☐	
Date	Approval for C of O ☐	Approval for C of O ☐
lath or framing approved ☐	**FIRE DEPARTMENT**	**HEALTH DEPARTMENT**
Violations noted	approval of oil burner ☐	septic field approved ☐
	approval of smoke detector ☐	Approval for C of O ☐
Date	Approval for C of O ☐	Date
Final Inspection Approval C of O ☑	**CONSERVATION**	**PUBLIC UTILITIES**
Date 9/14/05	Approval for C of O ☐	Approval for C of O ☐

Appendix G

Ambient Air Monitoring for PCB and Particulate Matter

BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

AMBIENT AIR MONITORING
FOR PCB AND
PARTICULATE MATTER
GE ADVANCED MATERIALS
BUILDINGS DEMOLITION
JUNE/JULY 2005

BBL ENVIRONMENTAL SERVICES, INC.
SYRACUSE, NEW YORK

Berkshire Environmental Consultants, Inc.

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

AMBIENT AIR MONITORING FOR POLYCHLORINATED BIPHENYLS AND PARTICULATE MATTER

GE ADVANCED MATERIALS BUILDINGS DEMOLITION JUNE/JULY 2005

BBL ENVIRONMENTAL SERVICES, INC.
SYRACUSE, NEW YORK

Prepared by

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

August 2005

TABLE OF CONTENTS

PROJECT SUMMARY

Berkshire Environmental Consultants, Inc. (BEC) completed an ambient air sampling program for polychlorinated biphenyls (PCB) and particulate matter during the demolition of buildings at the GE Advanced Materials (GEAM) facility in Pittsfield, Massachusetts. Air sampling was conducted during buildings demolition at GEAM from June 8 through July 21, 2005. The ambient air sampling program was conducted in accordance with the Scope of Work for Ambient Air PCB & Particulate Monitoring, Buildings Demolition at GE Advanced Materials, Pittsfield, Massachusetts, prepared by Berkshire Environmental Consultants, Inc., May 2005.

High-volume sampling for PCB was conducted at three on-site locations and one background location from June 6-7, June 7-8, June 16-17, and July 14-15, 2005. Each PCB ambient air sample was collected over a 24-hour period. Sampling and analytical procedures generally followed those described in EPA Compendium Method TO-4A, Determination of Pesticides and Polychlorinated Biphenyls in Ambient Air Using High Volume Polyurethane Foam (PUF) Sampling Followed by Gas Chromatographic/Multi-Detector Detection (GC/MD), January 1999. This method employs a modified high-volume sampler consisting of a glass fiber filter with a polyurethane foam backup adsorbent cartridge. Samples were sent to SGS Environmental Services, Inc., Charleston, West Virginia for analysis.

The PCB sampling periods, results and concentration averages are presented in Appendix I. The highest PCB concentration analyzed for any of the four 24-hour sampling periods was 0.0077 $\mu g/m^3$ for the period June 6-7, 2005 at the background site during pre-demolition activities. The highest PCB concentration at the on-site locations during demolition activities was 0.0004 $\mu g/m^3$ for the period June 16-17, 2005 at both the South and East locations. The PCB notification level of 0.05 $\mu g/m^3$ was not reached during the study at any of the monitored sites.

Particulate monitoring was conducted daily for approximately ten hours per day on those days when site activity was occurring during the period from June 8 through July 21, 2005. Particulate monitoring was conducted using four real-time particulate monitors. Two of the monitors were MIE dataRAM Model DR-2000/4000s and two monitors were MIE dataRAM Model pDR-1000s. Particulate monitoring results are contained in Appendix II. The highest average daily particulate concentration recorded during the project was 0.144 mg/m^3 on July 19, 2005 at the South site. This value was in excess of the notification level for particulate matter of 0.120 mg/m^3, but did not represent an exceedance of the 24-hour National Ambient Air Quality Standard (NAAQS) for PM_{10} (0.150 mg/m^3). Written and verbal notifications were provided to the BBL Project Manager. After a review of data from other locations and a review of the weather data for the day, the value was determined to be biased high due to high relative humidity levels (average relative humidity for the 10-hour period was 76%).

1.0 INTRODUCTION

Berkshire Environmental Consultants, Inc. (BEC) was retained by BBL Environmental Services, Inc., to conduct ambient air sampling for polychlorinated biphenyls (PCB) and particulate matter during the demolition of buildings at the GE Advanced Materials (GEAM) facility in Pittsfield, Massachusetts. The sampling described in this report was completed during the period of June 8 through July 21, 2005.

The purpose of the sampling program was to obtain valid and representative data on ambient levels of PCB and particulate matter during building demolition activities at the GEAM facility to ensure that the activities were not causing an increase in ambient concentrations of total PCB or particulates. The sampling project was conducted in accordance with criteria set forth in the Scope of Work for Ambient Air PCB and Particulate Monitoring, Building Demolition at GE Advanced Materials, Pittsfield, Massachusetts, (Appendix III), prepared by Berkshire Environmental Consultants, Inc., May 2005.

All field work, sample collection, sample shipment, and record keeping were completed by BEC, Pittsfield, Massachusetts. The collected PCB samples were analyzed by SGS Environmental Services, Inc., Charleston, West Virginia. This final report for the ambient air sampling program presents a summary of all sampling activities, analytical results, and quality assurance/quality control measures.

2.0 PCB SAMPLING

2.1 Sampling Program

A summary of the PCB ambient air sampling program follows:

High-Volume Monitoring Locations	3
Co-located Sites	1
Background Sites	1
Sampling Time	24 hours per sampling event
Sampling Period	June 6-7, 2005 June 7-8, 2005 June 16-17, 2005 July 14-15, 2005
Number of Sampling Events	4
Number of Samples	20
Number of Blanks	1 per sampling event
Sampling Method	EPA Compendium Method TO-4A
Analytical Method	GC/ECD or GC/MS as described in EPA Method TO-4A
Written Notification Level	0.05 $\mu g/m^3$
Action Level	0.10 $\mu g/m^3$

2.2 Sampler Locations

The PCB ambient air sampling program was conducted using three General Metal Works GPS-1 high-volume air samplers installed at three on-site locations. A fourth co-located monitor was placed at the South sampling site. The co-located monitor ran concurrently and provided a precision check on collected data. A fifth sampler was operated to provide background data. The background monitor was located inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street through June 13, 2005 and was then relocated to the GEAM north parking lot through the end of sampling to provide more representative background data for the GEAM project. The locations of the monitoring stations are presented in Figure 1.

2.3 Sampling Procedures

The PCB sampling program consisted of four 24-hour sampling events that occurred June 6-7, June 7-8, June 16-17, and July 14-15, 2005. The samples were collected according to the U.S. EPA Compendium Method TO-4A, Determination of Pesticides and Polychlorinated Biphenyls in Ambient Air Using High Volume Polyurethane Foam (PUF) Sampling Followed by Gas Chromatographic/Multi-Detector Detection (GC/MD), (Appendix IV). This method employs a General Metal Works GPS-1 modified high-volume sampler consisting of a glass fiber filter with a polyurethane foam (PUF) backup

adsorbent cartridge. The GPS-1 Operator's Manual is included in Appendix VI. Ambient air was drawn through the cartridge at a rate of approximately 0.225 m^3/min for 24 hours. The total air volume collected for each sample was approximately 324 cubic meters.

The samplers were monitored at six-hour intervals over each 24-hour sampling period. During these six-hour checks, barometric pressure, temperature, and magnehelic pressure readings were taken and the air flow adjusted to the target flow rate, as necessary. At the end of the sampling period, the sampling modules containing the fiber filters and PUF adsorbents were removed from the samplers. Each glass fiber filter was folded and placed on the PUF adsorbent for that sample. Each sample consisting of a fiber filter and PUF adsorbent (inside a glass cartridge) was wrapped in hexane rinsed aluminum foil. Each fiber filter and PUF adsorbent set was labeled as one sample. The samples were wrapped, packaged in blue ice and sent under chain-of-custody to the laboratory for analysis.

2.4 Analytical Procedures

The PCB in the samples was recovered by Soxhlet extraction with 5% ether in hexane. The extracts were reduced in volume using Kuderna-Danish (K-D) concentration techniques and subjected to column chromatograph cleanup. The extracts were analyzed for PCB using gas chromatography with electron capture detection (GC-ECD).

SGS Environmental Services, Inc. analyzed the samples for the following individual PCB Aroclors:

PCB Aroclor 1016	PCB Aroclor 1248
PCB Aroclor 1221	PCB Aroclor 1254
PCB Aroclor 1232	PCB Aroclor 1260
PCB Aroclor 1242	

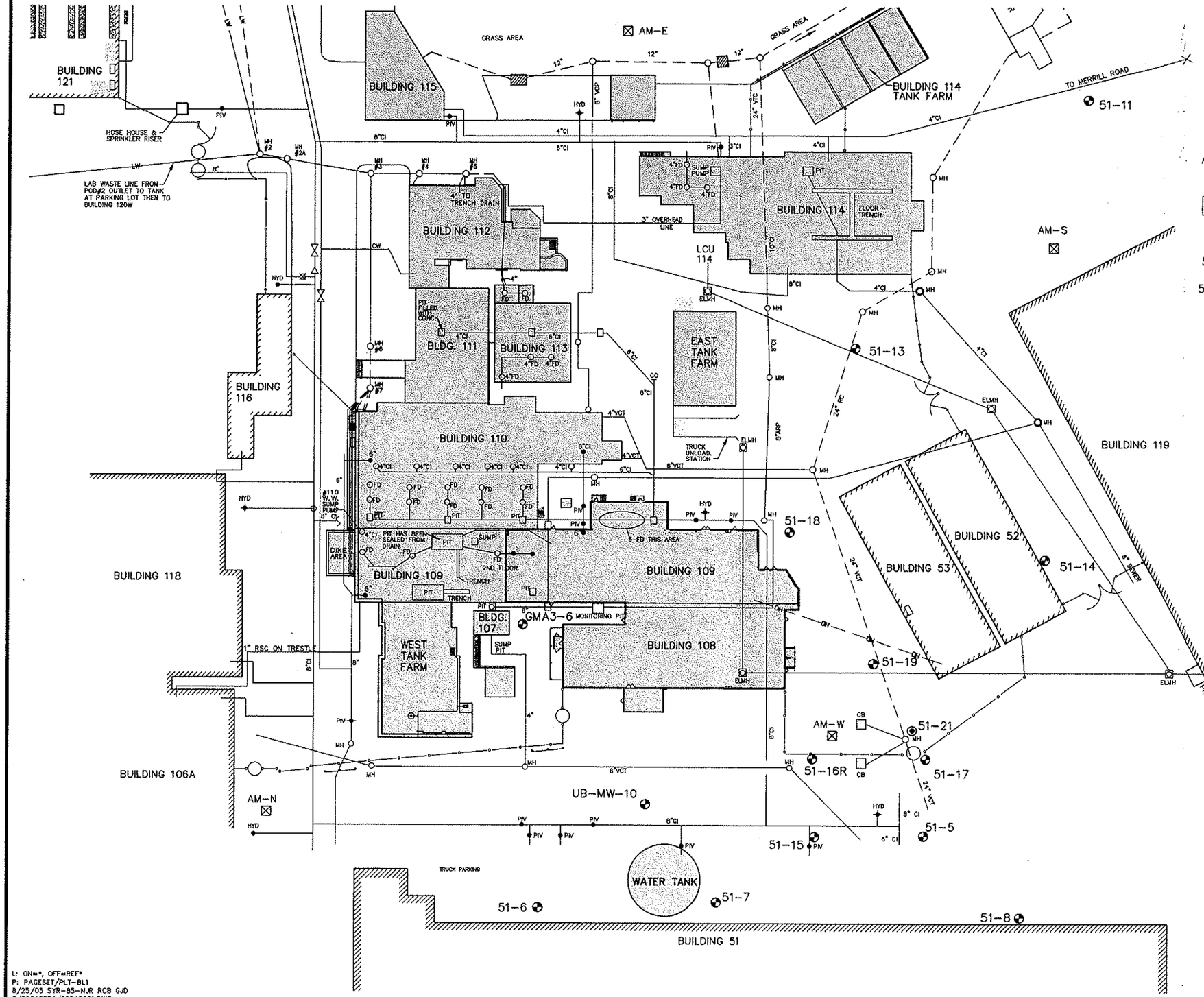
The quantities of PCB in each sample were reported by SGS Environmental Services, Inc. in µg/PUF above the analytical detection limit of 0.1 µg/PUF. These quantities were divided by the standard air volume sampled to provide ambient concentrations in µg/m^3.

Average Sampling Rate	0.225 m^3/min
Average Sample Volume	324 m^3/PUF
Analytical Detection Limit	0.1 µg/PUF
Project Detection Limit	0.0003 µg/m^3

2.5 Ambient PCB Concentrations

Ambient 24-hour concentrations of total PCB in µg/m^3 from samples taken in June and July 2005 at each of the monitoring sites are contained in Appendix I. The laboratory analytical results are provided in Appendix V and flow calculations are provided in Appendix VIII. The highest PCB concentration analyzed for any of the four 24-hour

sampling periods was 0.0077 $\mu g/m^3$ for the period June 6-7, 2005 at the background site during pre-demolition activities. The highest PCB concentration at the on-site locations during demolition activities was 0.0004 $\mu g/m^3$ for the period June 16-17, 2005 at both the South and East locations. Measured PCB concentrations at the three sites did not exceed the notification level of 0.05 $\mu g/m^3$ during any of the sampling periods.



LEGEND:

AM-S ⊠	BERKSHIRE ENVIRONMENTAL CONSULTANTS, INC. (BEC) – AIR MONITORING LOCATION
▒	BUILDINGS/STRUCTURES REMOVED AS PART OF SITE NO. 1 BUILDING DEMOLITION PROJECT
51-6 ⊕	EXISTING MONITORING WELL
51-21 ◉	NAPL RECOVERY WELL (SKIMMER)
FD ○	FLOOR DRAIN
HYD ✦	HYDRANT
P/V •	POSITION INDICATING VALVE
MH ○	MANHOLE
ELMH ⊠	ELECTRIC MANHOLE (PRIMARY VOLTAGE)
— —OH— —	EXISTING OVERHEAD ELECTRICAL LINE
——•——	FENCELINE

NOTE:

1. FIGURE DEVELOPED BASED ON FIGURE NO. GE-1033-1 ENTITLED 'SITE DEMOLITION PLAN' CREATED BY HILL ENGINEERS, ARCHITECTS, AND PLANNERS, DATED FEBRUARY 15, 1999.
2. DRAIN LOCATIONS, WASTE LINES, SEWER LINES, ELECTRIC LINES, HYDRANT LOCATIONS, MANHOLE LOCATIONS, CATCH BASIN LOCATIONS, SUMP LOCATIONS, PIT LOCATIONS, AND TRENCH LOCATIONS ARE FROM HILL ENGINEERS ARCHITECTS, PLANNERS, INC. DRAWING NO. GE-1094-EZ103, ENTITLED "SITE 1 – UTILITIES DECOMMISSIONING", DATED DECEMBER 15, 2004, NOT TO SCALE.
3. WELL AND WELL CLUSTER LOCATIONS ARE APPROXIMATE.

0 60' 120'
GRAPHIC SCALE

GE ADVANCED MATERIALS
PITTSFIELD, MASSACHUSETTS
SITE NO. 1-BUILDING DEMOLITION PROJECT

BEC AIR MONITORING LOCATIONS

BBL ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

FIGURE **1**

L: ON=*, OFF=REF*
P: PAGESET/PLT-BL1
8/25/05 SYR-85-NJR RCB GJD
C/20648004/20648001.DWG

3.0 PARTICULATE MONITORING

3.1 Monitor Locations

BEC conducted particulate monitoring at three on-site monitoring locations at or around the GEAM site and at one background location. The particulate background monitoring site was initially located inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street, however, it was later relocated to the GEAM north parking lot to provide more representative background data for the GEAM project. The locations of the on-site and background particulate monitors are identified on Figure 1. The inlets of the monitors were placed approximately 3-6 feet above ground level, depending on the type of monitor.

3.2 Monitoring Procedures

Monitoring for particulate matter was completed each day while site building demolition activity was being performed. Monitoring was conducted from approximately 7:00 a.m. to 5:00 p.m. for the duration of the project.

3.3 Analytical Procedures

Two MIE dataRAM Model pDR-1000 real-time particulate monitors and two MIE dataRAM Model DR-2000/4000 real-time particulate monitors were used during site activities. Both types of monitors use a light scattering photometer to determine particulate concentrations. The pDR-1000 uses a passive sampling technique and has a measurement range of 0.001 to 400 mg/m^3. The DR-2000/4000 pumps sampled air through a sensing chamber and also has a heated inlet probe to evaporate water that is absorbed by particles under conditions of high humidity. The DR-2000/4000 has a measurement range of 0.0001 to 400 mg/m^3.

Data were logged by the instruments' dataloggers, averaged and recorded for each 10-hour day. A written notification was provided to the BBL Project Manager when the average daily particulate concentration exceeded 0.120 mg/m^3. This level is 80 percent of the 24-hour National Ambient Air Quality Standard (NAAQS) for particulate matter of 0.150 mg/m^3 (as PM_{10}).

3.4 Analytical Results

The table contained in Appendix II summarizes the monitoring location, average daily particulate concentration, average monitoring period and the predominant wind direction during the sampling period for each site. Table A below summarizes the average particulate concentrations at each monitoring site during the demolition period. All directions references are relative to the GEAM building demolition locations. Sampling was conducted at the North, South and either the West or East location depending on the progression of the demolition work. While work was being conducted in Phase 1 (further

east), sampling was conducted at the North, South and East locations. When work progressed to Phase 2 (further west), sampling was conducted at the North, South and West locations. This transition from Phase 1 to Phase 2 occurred on July 14, 2005.

The highest average daily particulate concentration recorded during the project was 0.144 mg/m^3 on July 19, 2005 at the South site. This value was in excess of the notification level for particulate matter of 0.120 mg/m^3, but did not represent an exceedance of the 24-hour National Ambient Air Quality Standard (NAAQS) for PM_{10} (0.150 mg/m^3). Written and verbal notifications were provided to the BBL Project Manager. After review of the data from other locations and a review of the weather data for the day, the value was determined to be biased high due to high relative humidity levels (average relative humidity for the 10-hour period was 76%).

Table A
GEAM Average Particulate Concentrations

AM-N North of GEAM (mg/m^3)	*AM-S South of GEAM (mg/m^3)*	*AM-E East of GEAM (mg/m^3)*	*AM-W West of GEAM (mg/m^3)*	*AM-B Background Site (mg/m^3)*
0.030	0.033	0.050	0.037	0.025

Table A presents site averages for data that are not believed to be biased high due to high humidity levels. Data that are believed to be biased due to high humidity are identified in Appendix II.

4.0 PCB QUALITY ASSURANCE ASSESSMENT

4.1 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 PCB 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.

- The sampling and analytical procedures were conducted in accordance with EPA Compendium Method TO-4A and EPA recommended guidelines, as applicable.

- All phases of the sampling program were adequately documented. Documentation was maintained to evidence the validity of calibrations, sample collection, flow calculations, sample custody, analytical performance, data reduction and audit procedures. Field notes were maintained to identify and reconstruct sampling events, calibration procedures, maintenance and repair activity, and other related information.

- The analytical laboratory performed standard QA/QC procedures.

- Sampling and analytical data quality were measured and reported, where applicable, in terms of completeness, precision, accuracy (bias), representativeness, and comparability.

4.1.1 Validity

A valid PCB sample was defined as an air sample that was collected over 24 hours, ± 30 minutes at a rate of approximately 0.225 m^3/min. Additionally, a valid sample must represent a minimum total collected volume of air of 288 m^3.

4.1.2 Representativeness

All PCB samples were collected at the locations and during the time period identified as being representative for the purpose of this study.

4.1.3 Comparability

All measured PCB concentrations were converted to $\mu g/m^3$ for comparison with the standard.

4.1.4 Completeness

Sample completeness criteria are based on obtaining valid samples at each sample site for the duration of the project. All PCB samples met the criteria for validity. Completeness was measured at 100%.

4.1.5 Precision

Field sampling precision was measured by samples taken at the co-located sampler. The co-located sampler was installed at the South site. The co-located sampler was located 2-4 meters apart from the primary sampler. The calibration, sampling, and analytical procedures for the co-located sampler were the same as for all samplers. The co-located sampler operated whenever the primary sampler operated. The average percent difference between the primary sampler concentration and the co-locator sampler concentration was 36%. The percent deviation calculations are included in Appendix XI.

4.1.6 Sampling Accuracy

One-point calibration checks were conducted before and after each sampling event and were used as a check of flow measurements. The one-point calibration checks on all samplers were within ± 10% deviation of calculated flow values.

4.2 Calibrations and Audit Activity

Calibrations for all sampling equipment were conducted in accordance with the schedules and procedures specified in EPA Method TO-4A as applicable. All data and calculations for the calibrations have been maintained in a calibration log file. Summary calibration sheets are contained in Appendix VII.

The following internal quality control checks were performed on each sampler:

- A one-point audit of the calibrated flow rate versus sampler magnehelic pressure indication was performed on each high-volume sampler before and after each sampling event (Appendix VIII).

- A zero check on the samplers' pressure gauges or flow meters was verified before and after each sampling event (Appendix VIII).

- A leak check was performed on each sampler before and after each sampling event (Appendix VIII).

- A record and/or adjustment of the sampler pressure or flow indicator was undertaken to maintain a constant rate flow at six-hour intervals during the sampling event (Appendix VIII).

- One co-located sampler was installed at the South site as a sampling precision check on the field samplers. The ambient PCB data from the co-located samples were used to verify the precision of the primary samplers.

4.3 Sample Quality Assurance

The following quality control measures were performed to insure the integrity of the high volume air samplers:

- One PUF blank was transported with the samples to and from the field without having air drawn through it. The PUF was shipped along with the samples to the laboratory for analysis. All samples were labeled and transported under chain-of-custody to the contract laboratory (Appendix IX). The samples were recorded and handled according to strict chain-of-custody procedures.

5.0 PARTICULATE QUALITY ASSURANCE ASSESSMENT

5.1 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 Model pDR-1000 particulate monitors are zeroed weekly, before starting a new project, and whenever maintenance is performed on the monitor.

- All MIE dataRAM Model DR-2000/4000 particulate monitors are calibrated daily before use.

- Both the MIE pDR-1000 particulate monitors and the MIE DR-2000/4000 particulate monitors have an inherent inaccuracy of 5%.

- 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 judgment to determine the reliability of data collected during very high humidity conditions. Any such judgments are noted appropriately on the data summary table.

- All monitoring problems were immediately brought to the attention of the BBL Project Manager.

APPENDIX I

PCB AMBIENT AIR CONCENTRATIONS

2005 PCB AMBIENT AIR CONCENTRATIONS
GE ADVANCED MATERIALS
BUILDINGS DEMOLITION
PITTSFIELD, MASSACHUSETTS

Date	AM-N (North) (µg/m3)	AM-S (South) (µg/m3)	AM-S (South - colocated) (µg/m3)	AM-E (East) (µg/m3)	AM-W (West) (µg/m3)	AM-B [2] (Background) (Gate 31/GEAM North Parking Lot) (µg/m3)
06/06 - 06/07/05	0.0015	0.0019	0.0014	NA[1]	0.0010	0.0077
06/07 - 06/08/05	0.0008	0.0006	0.0011	NA[1]	0.0006	0.0021
06/16 - 06/17/05	0.0003	0.0003	0.0004	0.0004	NA[1]	0.0003
07/14 - 07/15/05	ND (<0.0003 µg/m^3)	ND (<0.0003 µg/m^3)	ND (<0.0003 µg/m^3)	ND (<0.0003 µg/m^3)	NA[1]	ND (<0.0003 µg/m^3)
2005 Site Average	***0.0007***	***0.0008***	***0.0008***	***0.0004***	***0.0008***	***0.0026***
Notification Level	0.05	0.05	0.05	0.05	0.05	0.05

ND - Non Detect (<0.0003 µg/m^3)

[1] Background PCB sampling prior to demolition work was conducted at the West location, however due to the progression of work at the site, PCB sampling only occurred at the East location during demolition.

[2] The background location for pre-demolition PCB events was located inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street. However, the background location was relocated on June 14, 2005, to the GEAM north parking lot to provide more representative background data for the GEAM project.

APPENDIX II

PARTICULATE AMBIENT AIR CONCENTRATIONS

2005 PARTICULATE AMBIENT AIR CONCENTRATIONS
GE ADVANCED MATERIALS
BUILDINGS DEMOLITION
PITTSFIELD, MASSACHUSETTS

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Conc. (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
06/08/05	AM-N (North)	0.016	0.018*	11:00	WSW
	AM-S (South)	0.004*		11:00	
	AM-E (East)	0.015		10:45	
06/09/05	AM-N (North)	0.049	0.041*	11:30	Calm, SSW, Variable
	AM-S (South)	0.015*		11:15	
	AM-E (East)	0.053		11:30	
06/10/05[1]	AM-N (North)	NA	NA	NA	NA
	AM-S (South)				
	AM-E (East)				
06/13/05	AM-N (North)	0.090[2]	0.064*	11:45	WSW
	AM-S (South)	0.021*		11:45	
	AM-E (East)	0.106[2]		11:45	
06/14/05	AM-N (North)	0.065	0.035*	6:15[3]	WNW
	AM-S (South)	0.015*		6:15[3]	
	AM-E (East)	0.068		6:30[3]	
06/15/05	AM-N (North)	0.071	0.036*	7:15[3]	Variable
	AM-S (South)	0.028*		7:15[3]	
	AM-E (East)	0.059		7:15[3]	
06/16/05	AM-N (North)	0.042	0.017*	4:45[3]	Calm, ENE
	AM-S (South)	0.012*		4:45[3]	
	AM-E (East)	0.033		4:30[3]	
06/17/05[1]	AM-N (North)	NA	NA	NA	NA
	AM-S (South)				
	AM-E (East)				
06/20/05	AM-N (North)	0.041[4]	0.005[4]	NA[5]	WSW
	AM-S (South)	0.009*		11:54	
	AM-E (East)	0.042		11:30	
06/21/05	AM-N (North)	NA[5]	0.007*	NA[5]	WNW
	AM-S (South)	0.032*		6:07[6]	
	AM-E (East)	0.056		11:00	
06/22/05	AM-N (North)	0.004	0.004	6:15[3]	NNE
	AM-S (South)	0.027*		7:24[3]	
	AM-E (East)	0.029		6:15[3]	
06/23/05	AM-N (North)	0.005	0.005*	10:30	WNW
	AM-S (South)	0.009*		11:00	
	AM-E (East)	0.026		11:00	
06/24/05[1]	AM-N (North)	NA	NA	NA	NA
	AM-S (South)				
	AM-E (East)				
06/27/05	AM-N (North)	0.052[7]	0.067*[7]	11:00	Variable
	AM-S (South)	0.065*[7]		11:00	
	AM-E (East)	0.125[7]		11:00	

2005 PARTICULATE AMBIENT AIR CONCENTRATIONS
GE ADVANCED MATERIALS
BUILDINGS DEMOLITION
PITTSFIELD, MASSACHUSETTS

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Conc. (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
06/28/05[8]	AM-N (North) AM-S (South) AM-E (East)	NA	NA	NA	NA
06/29/05[8]	AM-N (North) AM-S (South) AM-E (East)	NA	NA	NA	NA
06/30/05	AM-N (North) AM-S (South) AM-E (East)	0.022 0.028*[4] 0.063	0.022*	11:15 NA[5] 11:15	Calm, Variable
07/01/05[1]	AM-N (North) AM-S (South) AM-E (East)	NA	NA	NA	NA
07/04/05[9]	AM-N (North) AM-S (South) AM-E (East)	NA	NA	NA	NA
07/05/05	AM-N (North) AM-S (South) AM-E (East)	0.037[2] 0.098* 0.102[2]	0.037*	7:45[3] 7:30[3] 7:45[3]	SSW, Variable
07/06/05[8]	AM-N (North) AM-S (South) AM-E (East)	NA	NA	NA	NA
07/07/05	AM-N (North) AM-S (South) AM-E (East)	0.010 0.006* 0.026	0.006*	9:00[3] 9:00[3] 9:15[3]	Variable
07/08/05[8]	AM-N (North) AM-S (South) AM-E (East)	NA	NA	NA	NA
07/11/05	AM-N (North) AM-S (South) AM-E (East)	0.023 0.047* 0.059	0.019*	11:30 11:30 11:30	WNW
07/12/05	AM-N (North) AM-S (South) AM-E (East)	0.034 0.067* 0.076	0.029*	11:00 8:30[10] 11:00	Variable
07/13/05	AM-N (North) AM-S (South) AM-E (East)	0.034 0.077* 0.096	0.021*	11:15 11:15 11:15	Calm
07/14/05	AM-N (North) AM-S (South) AM-W (West)[11]	0.065[7] 0.050*[7] 0.068[7]	0.053*[7]	11:15 11:15 9:15[12]	WSW
07/15/05	AM-N (North) AM-S (South) AM-W (West)	0.045 0.039* 0.031	0.033*	10:15 10:00 10:15	NNE

2005 PARTICULATE AMBIENT AIR CONCENTRATIONS
GE ADVANCED MATERIALS
BUILDINGS DEMOLITION
PITTSFIELD, MASSACHUSETTS

Date	Sampler Location	Average Site Concentration (mg/m^3)	Background Site Conc. (mg/m^3)	Average Period (Hours:Min)	Predominant Wind Direction
07/16/05	AM-N (North)	0.038	0.040*	12:00	Variable, SSW
	AM-S (South)	0.070*		11:45	
	AM-W (West)	0.037		12:00	
07/17/05	AM-N (North)	0.022	0.021*	6:00[3]	Variable
	AM-S (South)	0.041*		6:00[3]	
	AM-W (West)	0.012		6:00[3]	
07/18/05	AM-N (North)	0.052[7]	0.120*[7]	10:00	Variable, SSW
	AM-S (South)	0.122*[7]		5:15[10]	
	AM-W (West)	0.080[7]		10:00	
07/19/05	AM-N (North)	0.068[7]	0.123*[7]	7:45[3]	WSW
	AM-S (South)	0.144*[7]		7:30[3]	
	AM-W (West)	0.070[7]		10:15	
07/20/05	AM-N (North)	0.008	0.061*	12:00	WNW
	AM-S (South)	0.032*		11:45	
	AM-W (West)	0.080		11:45	
07/21/05	AM-N (North)	0.007	0.011*	11:30	NNW, WNW
	AM-S (South)	0.016*		11:15	
	AM-W (West)	0.027		11:30	
Notification Level		0.120			

NOTES:

GEAM Buildings demolition began June 8, 2005 and was completed July 21, 2005.

NA - Not Available

* Measured with DR-2000 or DR-4000. All others measured with pDR-1000.

Background monitoring location inside GE Gate 31 on the corner of Woodlawn Avenue and Tyler Street through 06/13/05.

Background monitoring location in GEAM's north parking lot beginning 06/14/05.

Predominant wind direction determined using hourly wind direction data from the Pittsfield Municipal Airport Weather Station.

[1] Sampling was not performed due to lack of site activity.

[2] Instrument reading is believed biased high due to high humidity and the instrument's inherent sensitivity to humidity/moisture.

[3] Sampling period was shortened due to precipitation/threat of precipitation.

[4] Manual reading recorded at the end of the day. Unable to download data due to equipment failure.

[5] Data not available due to equipment failure.

[6] Sampling period shortened due to technician error.

[7] Sampling data are believed biased high due to high humidity levels.

[8] Sampling was not performed due to precipitation/threat of precipitation.

[9] Sampling was not performed due to lack of site activity on the July 4th holiday.

[10] Sampling period was shortened due to instrument malfunction.

[11] On Thursday, July 14, 2005 one on-site dust monitor was relocated from site AM-E to site AM-W. The monitor was relocated as the result of the progression of demolition activities.

[12] Sampling period was shortened due to changing monitoring location to the West site.

APPENDIX III

SCOPE OF WORK

SCOPE OF WORK
for
Ambient Air PCB & Particulate Monitoring
Buildings Demolition
at
GE Advanced Materials
Pittsfield, Massachusetts

Blasland, Bouck & Lee, Inc.
Syracuse, New York

Prepared by

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152 North Street, Suite 250
Pittsfield, MA 01201

May 2005

TABLE OF CONTENTS

1.0 INTRODUCTION

Blasland, Bouck & Lee (BBL) has retained Berkshire Environmental Consultants, Inc. (BEC) to conduct ambient air monitoring for polychlorinated biphenyls (PCBs) and particulate matter during the demolition of buildings at the GE Advanced Materials' (GEAM) plant site in Pittsfield, Massachusetts. The buildings to be demolished include Buildings 107-115, Building 114 tank farm and the East and West tank farms.

2.0 SAMPLING OBJECTIVE

The objectives of this sampling program are two-fold:

1. To obtain valid and representative data on ambient levels of PCBs before and during demolition activities to insure that the demolition activities are not causing an unacceptable increase in ambient air concentrations of PCB.

2. To obtain valid and representative data on ambient levels of particulate before and during demolition activities to insure that the demolition activities are not causing an unacceptable increase in ambient air concentrations of particulate.

3.0 PCB MONITORING PROGRAM

3.1 *High Volume PCB Sampling*

The high volume PCB sampling program will include the following elements:

High-Volume Monitoring Locations	3
Background Sites	1
Co-Located Sites (Field Duplicates)	1
Sampling Time	24 hours per sampling event
Sampling Period	Duration of demolition activity
Frequency of Sampling	Twice prior to the onset of demolition activity and once every four weeks during demolition activity*
No. of Blanks Per Sampling Event	1
Sampling Method	EPA Compendium Method TO-4A
Analytical Method	GC/ECD or GC/MS as described in EPA Method TO-4A

* Sampling frequency may be increased if either PCB or particulate monitoring levels exceed threshold values.

Ambient air monitoring for PCBs will be conducted during demolition activity at GEAM. Sampling will be conducted for two 24 hour periods prior to the initiation of demolition activities and will proceed once every 4 weeks during building demolition. The ambient air monitoring frequency for PCB may be increased to bi-weekly in the event that ambient particulate concentrations at any one location consistently exceed the proposed particulate notification level (i.e. 120 $\mu g/m^3$). Consistently exceeding will be defined as greater than 120 $\mu g/m^3$ on three consecutive 10 hour days or 5 days in any two week period. Once PCB concentrations are below PCB action levels (see Section 9 of this Scope of Work) for two consecutive bi-weekly events, then PCB sampling frequency will revert to once every 4 weeks.

PCB monitoring will be conducted at three locations surrounding GEAM. A background monitor will be operated just south of GE's Building 17-C on the corner of Woodlawn Avenue and Tyler Street.

The specific sampling locations for monitors will be selected based on the location and nature of the demolition activity, predominant wind direction, the location of potential receptors, physical obstructions (i.e. trees, buildings, etc.), the availability of power, site security, and site accessibility.

The detection limit (DL) for PCB analysis of the high volume samples in this study is 0.0003 $\mu g/m^3$, in consideration of the following:

Avg. Sampling Rate	0.225 m^3/min.
Avg. Sample Volume	324 m^3/PUF
Analytical DL	0.1 µg/PUF
Project DL	0.0003 $\mu g/m^3$

The sampling method for PCBs in the high volume samples is US EPA Compendium Method TO-4A, Determination of Pesticides and Polychlorinated Biphenyls in Ambient Air Using High Volume Polyurethane Foam (PUF) Sampling Followed by Gas Chromatographic/Multi-Detector Detection (GC/MD). This method employs a modified high volume sampler consisting of a glass fiber filter with a polyurethane foam (PUF) backup absorbent cartridge to sample ambient air at a rate of approximately 0.225 m^3/min. A General Metal Works Model GPS-1 Sampler or equivalent will be used. The filter and cartridge will be placed in clean, sealed containers and returned to the laboratory for analysis.

Procedures for sample media preparation and calibration of the sampling system are specified in Method TO-4A. TO-4A further specifies procedures for calculation and data reporting, and the assessment of data for accuracy and precision.

The samplers will be monitored at six-hour intervals over each 24 hour sampling period. During these six-hour checks, barometric pressure, temperature, and magnehelic pressure readings will be taken and the air flow adjusted to the target flow rate, as

necessary. At the end of the sampling period, the sampling modules containing the fiber filters and PUF adsorbents will be removed from the samplers. Each glass fiber filter will be folded and placed on the PUF adsorbent for that sample and each sample consisting of a fiber filter and PUF adsorbent (inside a glass cartridge) will be wrapped in hexane rinsed aluminum foil. Each fiber filter and PUF adsorbent set will be labeled as one sample. The samples will be wrapped, packaged in blue ice and sent under chain-of-custody to the laboratory for analysis.

The PCB sampling probe height for all high volume monitors will be approximately 2.0 meters above the ground. This height is adequate to represent the breathing zone and be above the influence of ground activity around the monitor. The location of the samplers will be in conformance, to the extent practical, with the siting requirements for ambient monitors in Ambient Monitoring Guidelines for Prevention of Significant Deterioration (PSD), U.S. EPA. May, 1987.

3.2 *Analytical Procedures*

In the high volume samples, the PCBs will be recovered by Soxhlet extraction with 10% diethyl ether in hexane. The extracts will be reduced in volume using Kuderna-Danish (K-D) concentration techniques and subjected to column chromatographic cleanup. The extracts will be analyzed for PCBs using gas chromatography with either electron capture detection (GC/ECD) or mass spectrometry detection (GC/MS) as described in TO-4A.

The samples will be analyzed for the following PCB Aroclors:

PCB-1016	PCB-1221
PCB-1232	PCB-1242
PCB-1248	PCB-1254
PCB-1260	

4.0 PARTICULATE MONITORING

Ambient air monitoring for particulate will be conducted during demolition activities at GEAM. Real-time ambient particulate monitoring will be performed during all active on-site demolition activities. Such monitoring will be conducted at three stations and at one appropriate background location just south of GE's Building 17-C on the corner of Woodlawn Avenue and Tyler Street. The specific locations for stations will be selected based on the location and nature of the construction activities, predominant wind direction, location of potential receptors, availability of power, site accessibility, and site security.

At the background and one on-site location, real-time particulate monitoring will be performed using a MIE dataRAM Model DR-2000/4000 real time particulate monitor. Each monitor Model DR-2000/4000 is equipped with a temperature conditioning heater and in-line impactor head to monitor and record particulate concentrations with a mean diameter less than 10

micrometers (PM_{10}). At the two remaining on-site locations, real-time particulate monitoring will be performed using a MIE dataRAM Model pDR-1000. Particulate monitoring will typically be conducted at all sites for approximately 10 hours daily, from 7 a.m. to 5 p.m., during demolition activities. Additional site activities may warrant a longer monitoring period. Particulate data will be recorded and averaged by the instruments' dataloggers every 15 minutes.

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

5.0 QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES

Quality assurance and quality control (QA/QC) procedures for the PCB air sampling program follow those described in GE's *Field Sampling Plan/Quality Assurance Project Plan* (FSP/QAPP) and Method TO-4A. Quality assurance and quality control for the particulate sampling will be based on manufacturer's recommendations.

6.0 PCB SAMPLE DOCUMENTATION, HANDLING AND SHIPMENT

Each filter holder and PUF cartridge holder will be pre-marked with a permanent identification number. As each sample is collected, it will be recorded on a field data form along with the date, time and location of collection.

All samples will be securely wrapped for shipment. PCB samples will be preserved at 4°C and shipped on blue ice. Samples will be shipped under chain-of-custody by commercial overnight carrier or courier to the analytical laboratory. Complete details on the PCB sample shipment procedures are contained in the FSP/QAPP.

7.0 METEOROLOGICAL MONITORING

Hourly meteorological data from the Automated Surface Observation System (ASOS) Monitor operated at the Pittsfield Municipal Airport in Pittsfield, Massachusetts will be included with the sampling results. This ASOS Monitor is operated by the National Weather Service, Federal Aviation Administration, and the Department of Defense. The ASOS Monitor measures and records wind speed, wind direction, precipitation, temperature, sky conditions, barometric pressure, and relative humidity.

8.0 DOCUMENTATION AND REPORTING

Particulate data will be summarized and reported to the BBL Project Manager. If there is an exceedance of a reporting threshold, BBL will be notified as soon as possible. All field and laboratory data recorded during ambient monitoring will be documented according to the procedures in the FSP/QAPP. A written report summarizing the results will be provided to BBL after the conclusion of sampling and will include the following:

Date and Time of Sampling
Sampling Locations
Calibration and Maintenance Activities
Pollutants Monitored
Number of Samples Collected
Analytical Results
Quality Assurance Assessment
Meteorological Data Summary
Discussion of Problems or Disruptions

9.0 ACTION LEVELS

9.1 *PCBs*

The notification and action levels for PCB concentrations in ambient air are 0.05 $\mu g/m^3$ (24-hour average) and 0.1 $\mu g/m^3$ (24-hour average), respectively. These are the same levels established by EPA for the GE Building 68 Removal Action and for off-site remediation activities in Pittsfield. Any exceedance of the notification level will be immediately reported to BBL.

9.2 *Particulate Matter*

For each day of monitoring, the particulate data from the on-site monitors will initially be compared with the data from the background monitor. If the average 10-hour PM_{10} concentration at any on-site monitor exceeds the average concentration at the background monitor, the on-site concentrations will then be compared with the notification level of 120 $\mu g/m^3$ (micrograms per cubic meter) -- which represents 80 percent of the current 24-hour National Ambient Air Quality Standard (NAAQS) for PM_{10} (150 $\mu g/m^3$). This level has been selected to allow notice to BBL before concentrations reach the level of the 24-hour NAAQS. Any exceedances of the notification level or the NAAQS will be immediately reported to BBL.

APPENDIX IV

METHOD TO-4A

EPA/625/R-96/010b

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air

Second Edition

Compendium Method TO-4A

Determination of Pesticides and Polychlorinated Biphenyls in Ambient Air Using High Volume Polyurethane Foam (PUF) Sampling Followed by Gas Chromatographic/Multi-Detector Detection (GC/MD)

Center for Environmental Research Information
Office of Research and Development
U.S. Environmental Protection Agency
Cincinnati, OH 45268

January 1999

Method TO-4A
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- Heidi Schultz, ERG, Lexington, MA
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Method TO-4 was originally published in April of 1984 as one of a series of peer reviewed methods in *"Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air,"* EPA 600/4-89-018. In an effort to keep these methods consistent with current technology, Method TO-4 has been revised and updated as Method TO-4A in this Compendium to incorporate new or improved sampling and analytical technologies. In addition, this method incorporates ASTM Method D 4861-94, *Standard Practice for Sampling and Analysis of Pesticides and Polychlorinated Biphenyls in Air.*

This Method is the result of the efforts of many individuals. Gratitude goes to each person involved in the preparation and review of this methodology.

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DISCLAIMER

METHOD TO-4A

Determination of Pesticides and Polychlorinated Biphenyls in Ambient Air Using High Volume Polyurethane Foam (PUF) Sampling Followed by Gas Chromatographic/Multi-Detector Detection (GC/MD)

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METHOD TO-4A

Determination of Pesticides and Polychlorinated Biphenyls in Ambient Air Using High Volume Polyurethane Foam (PUF) Sampling Followed by Gas Chromatographic/Multi-Detector Detection (GC/MD)

1. Scope

1.1 This document describes a method for sampling and analysis of a variety of common pesticides and for polychlorinated biphenyls (PCBs) in ambient air. The procedure is based on the adsorption of chemicals from ambient air on polyurethane foam (PUF) using a high volume sampler.

1.2 The high volume PUF sampling procedure is applicable to multicomponent atmospheres containing common pesticide concentrations from 0.001 to 50 $\mu g/m^3$ over 4- to 24-hour sampling periods. The limits of detection will depend on the nature of the analyte and the length of the sampling period.

1.3 Specific compounds for which the method has been employed are listed in Table 1. The analytical methodology described in Compendium Method TO-4A is currently employed by laboratories throughout the U.S. The sampling methodology has been formulated to meet the needs of common pesticide and PCB sampling in ambient air.

1.4 Compendium Method TO-4 was originally published in 1989 (1). Further updates of the sampling protocol were published as part of Compendium Method TO-13 (2). The method was further modified for indoor air application in 1990 (3). In an effort to keep the method consistent with current technology, Compendium Method TO-4 has incorporated the sampling and analytical procedures in ASTM Method D4861-94 (4) and is published here as Compendium Method TO-4A.

2. Summary of Method

2.1 A high-volume (~8 cfm) sampler is used to collect common pesticides and PCBs on a sorbent cartridge containing PUF. Airborne particles may also be collected, but the sampling efficiency is not known (5). The sampler is operated for 24-hours, after which the sorbent is returned to the laboratory for analysis.

2.2 Pesticides and PCBs are extracted from the sorbent cartridge with 10 percent diethyl ether in hexane and determined by gas chromatography coupled with an electron capture detector (ECD), nitrogen-phosphorus detector (NPD), flame photometric detector (FPD), Hall electrolytic conductivity detector (HECD), or a mass spectrometer (MS). For common pesticides, high performance liquid chromatography (HPLC) coupled with an ultraviolet (UV) detector or electrochemical detector may be preferable.

2.3 Interferences resulting from analytes having similar retention times during GC analysis are resolved by improving the resolution or separation, such as by changing the chromatographic column or operating parameters, or by fractionating the sample by column chromatography.

3. Significance

3.1 Pesticide usage and environmental distribution are common to rural and urban areas of the United States. The application of pesticides can cause adverse health effects to humans by contaminating soil, water, air, plants, and animal life. PCBs are less widely used, due to extensive restrictions placed on their manufacturer. However, human exposure to PCBs continues to be a problem because of their presence in various electrical products.

3.2 Many pesticides and PCBs exhibit bioaccumulative, chronic health effects; therefore, monitoring the presence of these compounds in ambient air is of great importance.

3.3 The relatively low levels of such compounds in the environment requires the use of high volume sampling techniques to acquire sufficient sample for analysis. However, the volatility of these compounds prevents efficient collection on filter media. Consequently, Compendium Method TO-4A utilizes both a filter and a PUF backup cartridge which provides for efficient collection of most common pesticides, PCBs, and many other organics within the same volatility range.

3.4 Moreover, modifications to this method has been successfully applied to measurement of common pesticides and PCBs in outdoor air (6), indoor air (3) and for personal respiratory exposure monitoring (3).

4. Applicable Documents

4.1 ASTM Standards

- D1356 *Definition of Terms Relating to Atmospheric Sampling and Analysis*
- D4861-94 *Standard Practice for Sampling and Analysis of Pesticides and Polychlorinated Biphenyls in Air*
- E260 *Recommended Practice for General Gas Chromatography Procedures*
- E355 *Practice for Gas Chromatography Terms and Relationships*
- D3686 *Practice for Sampling Atmospheres to Collect Organic Compound Vapors (Activated Charcoal Tube Adsorption Method*
- D3687 *Practice for Analysis of Organic Compound Vapors Collected by the Activated Charcoal Tube Adsorption*
- D4185 *Practice for Measurement of Metals in Workplace Atmosphere by Atomic Absorption Spectrophotometry*

4.2 EPA Documents

- *Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-10, Second Supplement,* U. S. Environmental Protection Agency, EPA 600/4-89-018, March 1989.
- *Manual of Analytical Methods for Determination of Pesticides in Humans and Environmental Standards*, U. S. Environmental Protection Agency, EPA 600/8-80-038, June 1980.
- *Compendium of Methods for the Determination of Air Pollutants in Indoor Air: Method IP-8,* U. S. Environmental Protection Agency, EPA 600/4-90-010, May 1990.

4.3 Other Documents

- Code of Federal Regulations, Title 40, Part 136, Method 604

5. Definitions

[Note: Definitions used in this document and in any user-prepared Standard operating procedures (SOPs) should be consistent with ASTM D1356, E260, and E355. All abbreviations and symbols are defined within this document at point of use.]

5.1 Sampling efficiency (SE)-ability of the sampling medium to trap analytes of interest. The percentage of the analyte of interest collected and retained by the sampling medium when it is introduced as a vapor in air or nitrogen into the air sampler and the sampler is operated under normal conditions for a period of time equal to or greater than that required for the intended use is indicated by %SE.

5.2 Retention efficiency (RE)-ability of sampling medium to retain a compound added (spiked) to it in liquid solution.

5.3 Retention time (RT)-time to elute a specific chemical from a chromatographic column, for a specific carrier gas flow rate, measured from the time the chemical is injected into the gas stream until it appears at the detector.

5.4 Relative retention time (RRT)-a rate of RTs for two chemicals for the same chromatographic column and carrier gas flow rate, where the denominator represents a reference chemical.

5.5 Method detection limit (MDL)-the minimum concentration of a substance that can be measured and reported with confidence and that the value is above zero.

5.6 Kuderna-Danish apparatus-the Kuderna-Danish (K-D) apparatus is a system for concentrating materials dissolved in volatile solvents.

5.7 MS-SIM-the GC is coupled to a mass spectrometer where the instrument is programmed to acquire data for only the target compounds and to disregard all others, thus operating in the select ion monitoring mode (SIM). This is performed using SIM coupled to retention time discriminators. The SIM analysis procedure provides quantitative results.

5.8 Sublimation-the direct passage of a substance from the solid state to the gaseous state and back into the solid form without any time appearing in the liquid state. Also applied to the conversion of solid to vapor without the later return to solid state, and to a conversion directly from the vapor phase to the solid state.

5.9 Surrogate standard-a chemically compound (not expected to occur in the environmental sample) which is added to each sample, blank and matrix spiked sample before extraction and analysis. The recovery of the surrogate standard is used to monitor unusual matrix effects, gross sample processing errors, etc. Surrogate recovery is evaluated for acceptance by determining whether the measured concentration falls within acceptable limits.

6. Interferences

6.1 Any gas or liquid chromatographic separation of complex mixtures of organic chemicals is subject to serious interference problems due to coelution of two or more compounds. The use of capillary or microbore columns with superior resolution or two or more columns of different polarity will frequently eliminate these problems. In addition, selectivity may be further enhanced by use of a MS operated in the selected ion monitoring (SIM) mode as the GC detector. In this mode, co-eluting compounds can often be determined.

6.2 The ECD responds to a wide variety of organic compounds. It is likely that such compounds will be encountered as interferences during GC/ECD analysis. The NPD, FPD, and HECD detectors are element specific, but are still subject to interferences. UV detectors for HPLC are nearly universal, and the electrochemical detector may also respond to a variety of chemicals. Mass spectrometric analyses will generally provide positive identification of specific compounds.

6.3 PCBs and certain common pesticides (e.g., chlordane) are complex mixtures of individual compounds which can cause difficulty in accurately quantifying a particular formulation in a multiple component mixture. PCBs may interfere with the determination of pesticides.

6.4 Contamination of glassware and sampling apparatus with traces of pesticides or PCBs can be a major source of error, particularly at lower analyte concentrations. Careful attention to cleaning and handling procedures is required during all steps of sampling and analysis to minimize this source of error.

6.5 The general approaches listed below should be followed to minimize interferences.

6.5.1 Polar compounds, including certain pesticides (e.g., organophosphorus and carbamate classes) can be removed by column chromatography on alumina. Alumina clean-up will permit analysis of most common pesticides and PCBs (7).

6.5.2 PCBs may be separated from other common pesticides by column chromatography on silicic acid (8,9).

6.5.3 Many pesticides can be fractionated into groups by column chromatography on Florisil (9).

7. Safety

7.1 The toxicity or carcinogencity of each reagent used in this method has not been precisely defined; however, each chemical compound should be treated as a potential health hazard. From this viewpoint, exposure to these chemicals must be reduced to the lowest possible level by whatever means available. The laboratory is responsible for maintaining a current awareness file of Occupational Safety and Health Administration (OSHA) regulations regarding the safe handling of the chemicals specified in this method. A reference file of material data handling sheets should also be made available to all personnel involved in the chemical analysis. Additional references to laboratory safety are available and have been identified for the analyst (10-12).

7.2 PCBs have been classified as a known or suspected, human or mammalian carcinogen. Many of the other common pesticides have been classified as carcinogens. Care must be exercised when working with these substances. This method does not purport to address all safety problems associated with its use. It is the responsibility of whoever uses this method to consult and establish appropriate safety and health practices and

determine the applicability of regulatory limitations prior to use. The user should be thoroughly familiar with the chemical and physical properties of targeted substances.

7.3 Treat all target analytes as carcinogens. Neat compounds should be weighed in a glove box. Spent samples and unused standards are toxic waste and should be disposed according to regulations. Regularly check counter tops and equipment with "black light" for fluorescence as an indicator of contamination.

7.4 The collection efficiency for common pesticides and PCBs has been demonstrated to be greater than 95 percent for the sampling configuration described in the method (filter and backup adsorbent). Therefore, no field recovery evaluation will occur as part of this procedure.

8. Apparatus

[Note: This method was developed using the PS-1 semi-volatile sampler provided by General Metal Works, Village of Cleves, OH as a guideline. EPA has experience in use of this equipment during various field monitoring programs over the last several years. Other manufacturers' equipment should work as well. However, modifications to these procedures may be necessary if another commercially available sampler is selected.]

8.1 Sampling

8.1.1 High-volume sampler (see Figure 1). Capable of pulling ambient air through the filter/adsorbent cartridge at a flow rate of approximately 8 standard cubic feet per minute (scfm) (0.225 std m^3/min) to obtain a total sample volume of greater than 300 scm over a 24-hour period. Major manufacturers are:

- Tisch Environmental, Village of Cleves, OH
- Andersen Instruments Inc., 500 Technology Ct., Smyrna, GA
- Thermo Environmental Instruments, Inc., 8 West Forge Parkway, Franklin, MA

8.1.2 Sampling module (see Figure 2). Metal filter holder (Part 2) capable of holding a 102-mm circular particle filter supported by a 16-mesh stainless-steel screen and attaching to a metal cylinder (Part 1) capable of holding a 65-mm O.D. (60-mm I.D.) x 125-mm borosilicate glass sorbent cartridge containing PUF. The filter holder is equipped with inert sealing gaskets (e.g., polytetrafluorethylene) placed on either side of the filter. Likewise, inert, pliable gaskets (e.g., silicone rubber) are used to provide an air-tight seal at each end of the glass sorbent cartridge. The glass sorbent cartridge is indented 20 mm from the lower end to provide a support for a 16-mesh stainless-steel screen that holds the sorbent. The glass sorbent cartridge fits into Part 1, which is screwed onto Part 2 until the sorbent cartridge is sealed between the silicone gaskets. Major manufacturers are:

- Tisch Environmental, Village of Cleves, OH
- Andersen Instruments Inc., 500 Technology Ct., Smyrna, GA
- Thermo Environmental Instruments, Inc., 8 West Forge Parkway, Franklin, MA

A field portable unit has been developed by EPA (see Figure 3).

8.1.3 High-volume sampler calibrator. Capable of providing multipoint resistance for the high-volume sampler. Major manufacturers are:

- Tisch Environmental, Village of Cleves, OH
- Andersen Instruments Inc., 500 Technology Ct., Smyrna, GA
- Thermo Environmental Instruments, Inc., 8 West Forge Parkway, Franklin, MA

8.1.4 Ice chest. To hold samples at <4°C or below during shipment to the laboratory after collection.

8.1.5 Data sheets. For each sample for recording the location and sample time, duration of sample, starting time, and volume of air sampled.

8.2 Sample Clean-up and Concentration (see Figure 4).

8.2.1 Soxhlet apparatus extractor (see Figure 4a). Capable of extracting filter and adsorbent cartridges (2.3" x 5" length), 1,000 mL flask, and condenser, best source.

8.2.2 Pyrex glass tube furnace system. For activating silica gel at 180°C under purified nitrogen gas purge for an hour, with capability of raising temperature gradually, best source.

8.2.3 Glass vial. 40 mL, best source.

8.2.4 Erlenmeyer flask. 50 mL, best source.

[Note: Reuse of glassware should be minimized to avoid the risk of cross contamination. All glassware that is used, especially glassware that is reused, must be scrupulously cleaned as soon as possible after use. Rinse glassware with the last solvent used in it and then with high-purity acetone and hexane. Wash with hot water containing detergent. Rinse with copious amount of tap water and several portions of distilled water. Drain, dry, and heat in a muffle furnace at 400°C for 4 hours. Volumetric glassware must not be heated in a muffle furnace; rather, it should be rinsed with high-purity acetone and hexane. After the glassware is dry and cool, rinse it with hexane, and store it inverted or capped with solvent-rinsed aluminum foil in a clean environment.]

8.2.5 White cotton gloves. For handling cartridges and filters, best source.

8.2.6 Minivials. 2 mL, borosilicate glass, with conical reservoir and screw caps lined with Teflon®-faced silicone disks, and a vial holder, best source.

8.2.7 Teflon®-coated stainless steel spatulas and spoons. Best source.

8.2.8 Kuderna-Danish (K-D) apparatus (see Figure 4b). 500 mL evaporation flask (Kontes K-570001-500 or equivalent), 10 mL graduated concentrator tubes (Kontes K570050-1025 or equivalent) with ground-glass stoppers, and 3-ball macro Snyder Column (Kontes K-570010500, K-50300-0121, and K-569001-219, or equivalent), best source.

8.2.9 Adsorption column for column chromatography (see Figure 4c). 1-cm x 10-cm with stands.

8.2.10 Glove box. For working with extremely toxic standards and reagents with explosion-proof hood for venting fumes from solvents, reagents, etc.

8.2.11 Vacuum oven. Vacuum drying oven system capable of maintaining a vacuum at 240 torr (flushed with nitrogen) overnight.

8.2.12 Concentrator tubes and a nitrogen evaporation apparatus with variable flow rate. Best source.

8.2.13 Laboratory refrigerator. Best source.

8.2.14 Boiling chips. Solvent extracted, 10/40 mesh silicon carbide or equivalent, best source.

8.2.15 Water bath. Heated, with concentric ring cover, capable of ±5°C temperature control, best source.

8.2.16 Nitrogen evaporation apparatus. Best source.

8.2.17 Glass wool. High purity grade, best source.

8.3 Sample Analysis

8.3.1 Gas chromatograph (GC). The GC system should be equipped with appropriate detector(s) and either an isothermally controlled or temperature programmed heating oven. Improved detection limits may be obtained with a GC equipped with a cool on-column or splitless injector.

8.3.2 Gas chromatographic column. As an example, a 0.32-mm (I.D.) x 3-mm DB-5, DB-17, DB-608, DB-1701 are available. Other columns may also provide acceptable results.

8.3.3 HPLC column. As an example, a 4.6-mm x 25-cm Zorbax SIL or μBondpak C-18. Other columns may also provide acceptable results.

8.3.4 Microsyringes. 5 μL volume or other appropriate sizes.

8.3.5 Balance. Mettler balance or equivalent.

8.3.6 All required syringes, gases, and other pertinent supplies. To operate the GC/MS system.

8.3.7 Pipettes, micropipettes, syringes, burets, etc. To make calibration and spiking solutions, dilute samples if necessary, etc., including syringes for accurately measuring volumes such as 25 μL and 100 μL.

9. Equipment and Materials

9.1 Materials for Sample Collection (see Figure 5)

9.1.1 Quartz fiber filter. 102-millimeter bindless quartz microfiber filter, Whatman Inc., 6 Just Road, Fairfield, NJ 07004, Filter Type QMA-4.

9.1.2 Polyurethane foam (PUF) plugs (see Figure 5a). 3-inch thick sheet stock polyurethane type (density .022 g/cm^3). The PUF should be of the polyether type used for furniture upholstery, pillows, and mattresses. The PUF cylinders (plugs) should be slightly larger in diameter than the internal diameter of the cartridge. Sources of equipment are Tisch Environmental, Village of Cleves, OH; University Research Glassware, 116 S. Merritt Mill Road, Chapel Hill, NC; Thermo Environmental Instruments, Inc., 8 West Forge Parkway, Franklin, MA; Supelco, Supelco Park, Bellefonte, PA; and SKC Inc., 334 Valley View Road, Eighty Four, PA.

9.1.3 Teflon® end caps (see Figure 5a). For sample cartridge. Sources of equipment are Tisch Environmental, Village of Cleves, OH and University Research Glassware, Chapel Hill, NC.

9.1.4 Sample cartridge aluminum shipping containers (see Figure 5b). For sample cartridge shipping. Sources of equipment are Tisch Environmental, Village of Cleves, OH and University Research Glassware, Chapel Hill, NC.

9.1.5 Glass sample cartridge (see Figure 5a). For sample collection. Sources of equipment are Tisch Environmental, Village of Cleves, OH; Thermo Environmental Instruments, Inc., 8 West Forge Parkway, Franklin, MA; University Research Glassware, 116 S. Merritt Mill Road, Chapel Hill, NC; and Supelco, Supelco Park, Bellefonte, PA.

9.1.6 Aluminum foil. Best source.

9.1.7 Hexane, reagent grade. Best source.

9.2 Sample Extraction and Concentration

9.2.1 Methylene chloride. Chromatographic grade, glass-distilled, best source.

9.2.2 Sodium sulfate-anhydrous (ACS). Granular (purified by washing with methylene chloride followed by heating at 400°C for 4 hours in a shallow tray).

9.2.3 Boiling chips. Solvent extracted or heated in a muffle furnace at 450°C for 2 hours, approximately 10/40 mesh (silicon carbide or equivalent).

9.2.4 **Nitrogen.** High purity grade, best source.
9.2.5 **Ether.** Chromatographic grade, glass-distilled, best source.
9.2.6 **Hexane.** Chromatographic grade, glass-distilled, best source.
9.2.7 **Dibromobiphenyl.** Chromatographic grade, best source. Used for internal standard.
9.2.8 **Decafluorobiphenyl.** Chromatographic grade, best source. Used for internal standard.
9.2.9 **Glass wool.** Silanized, extracted with methylene chloride and hexane, and dried.
9.2.10 **Diethyl ether.** High purity, glass distilled.
9.2.11 **Hexane.** High purity, glass distilled.
9.2.12 **Silica gel.** High purity, type 60, 70-230 mesh.
9.2.13 **Round bottom evaporative flask.** 500 mL, T 24/40 joints, best source.
9.2.14 **Capacity soxhlet extractors.** 500 mL, with reflux condensers, best source.
9.2.15 **Kuderna-Danish concentrator.** 500 mL, with Snyder columns, best source.
9.2.16 **Graduated concentrator tubes.** 10 mL, with 19/22 stoppers, best source.
9.2.17 **Graduated concentrator tubes.** 1 mL, with 14/20 stoppers, best source.
9.2.18 **TFE fluorocarbon tape.** 1/2 in., best source.
9.2.19 **Filter tubes.** Size 40-mm (I.D.) x 80-mm.
9.2.20 **Serum vials.** 1 mL and 5 mL, fitted with caps lined with TFE fluorocarbon.
9.2.21 **Pasteur pipetter.** 9 in., best source.
9.2.22 **Glass wool.** Fired at 500°C, best source.
9.2.23 **Alumina.** Activity Grade IV, 100/200 mesh.
9.2.24 **Glass chromatographic column.** 2-mm I.D. x 15-cm long.
9.2.25 **Vacuum oven.** Connected to water aspirator, best source.
9.2.26 **Die.** Best source.
9.2.27 **Ice chest.** Best source.
9.2.28 **Silicic Acid.** Pesticide quality, best source.
9.2.29 **Octachloronaphthalene (OCN).** Research grade, best source.
9.2.30 **Florisil.** Pesticide quality, best source.

9.3 GC Sample Analysis

9.3.1 **Gas cylinders of hydrogen, nitrogen, argon/methane, and helium.** Ultra high purity, best source.
9.3.2 **Combustion air.** Ultra high purity, best source.
9.3.3 **Zero air.** Zero air may be obtained from a cylinder or zero-grade compressed air scrubbed with Drierite® or silica gel and 5A molecular sieve or activated charcoal, or by catalytic cleanup of ambient air. All zero air should be passed through a liquid argon cold trap for final cleanup.
9.3.4 **Chromatographic-grade stainless steel tubing and stainless steel fitting.** For interconnections, Alltech Applied Science, 2051 Waukegan Road, Deerfield, IL 60015, 312-948-8600, or equivalent.

[Note: All such materials in contact with the sample, analyte, or support gases prior to analysis should be stainless steel or other inert metal. Do not use plastic or Teflon® tubing or fittings.]

10. Preparation of PUF Sampling Cartridge

[Note: This method was developed using the PS-1 sample cartridge provider by General Metal Works, Village of Cleves, OH as a guideline. EPA has experience in use of this equipment during various field monitoring

programs over the last several years. Other manufacturers' equipment should work as well. However, modifications to these procedures may be necessary if another commercially available sampler is selected.]

10.1 Summary of Method

10.1.1 This part of Compendium Method TO-4A discusses pertinent information regarding the preparation and cleaning of the filter, adsorbent, and filter/adsorbent cartridge assembly. The separate batches of filters and adsorbents are extracted with the appropriate solvent.

10.1.2 At least one PUF cartridge assembly and one filter from each batch, or 10 percent of the batch, whichever is greater, should be tested and certified clean before the batch is considered for field use.

10.2 Preparation of Sampling Cartridge

10.2.1 Bake the Whatman QMA-4 quartz filters at 400°C for 5 hours before use.

10.2.2 Set aside the filters in a clean container for shipment to the field or prior to combining with the PUF glass cartridge assembly for certification prior to field deployment.

10.2.3 The PUF plugs are 6.0-cm diameter cylindrical plugs cut from 3-inch sheet stock and should fit, with slight compression, in the glass cartridge, supported by the wire screen (see Figure 2). During cutting, rotate the die at high speed (e.g., in a drill press) and continuously lubricate with deionized or distilled water. Pre-cleaned PUF plugs can be obtained from many of the commercial sources identified in Section 9.1.2.

10.2.4 For initial cleanup, place the PUF plugs in a Soxhlet apparatus and extract with acetone for 16 hours at approximately 4 cycles per hour. When cartridges are reused, use diethyl ether/hexane (10 percent volume/volume [v/v]) as the cleanup solvent.

[Note: A modified PUF cleanup procedure can be used to remove unknown interference components of the PUF blank. This method consists of rinsing 50 times with toluene, acetone, and diethyl ether/hexane (5 to 10 percent v/v), followed by Soxhlet extraction. The extracted PUF is placed in a vacuum oven connected to a water aspirator and dried at room temperature for approximately 2 to 4 hours (until no solvent odor is detected). Alternatively, they may be dried at room temperature in an air-tight container with circulating nitrogen (zero grade). Place the clean PUF plug into a labeled glass sampling cartridge using gloves and forceps. Wrap the cartridge with hexane-rinsed aluminum foil and placed in a jar fitted with TFE fluorocarbon-lined caps. The foil wrapping may also be marked for identification using a blunt probe. The extract from the Soxhlet extraction procedure from each batch may be analyzed to determine initial cleanliness prior to certification.]

10.2.5 Fit a nickel or stainless steel screen (mesh size 200/200) to the bottom of a hexane-rinsed glass sampling cartridge to retain the PUF adsorbents, as illustrated in Figure 2. Place the Soxhlet-extracted, vacuum-dried PUF (2.5-cm thick by 6.5-cm diameter) on top of the screen in the glass sampling cartridge using polyester gloves.

10.2.6 Wrap the sampling cartridge with hexane-rinsed aluminum foil, cap with the Teflon® end caps, place in a cleaned labeled aluminum shipping container, and seal with Teflon® tape. Analyze at least 1 PUF plug from each batch of PUF plugs using the procedure described in Section 10.3, before the batch is considered acceptable for field use. A blank level of <10 ng/plug and filter for single component compounds is considered to be acceptable. For multiple component mixtures (e.g., PCBs), the blank level should be <100 ng/plug and filter. Cartridges are considered clean for up to 30 days from date of certification when stored in their sealed containers.

10.3 Procedure for Certification of PUF Cartridge Assembly

10.3.1 Extract 1 filter and PUF adsorbent cartridge by Soxhlet extraction and concentrate using a Kuderna-Danish (K-D) evaporator for each lot of filters and cartridges sent to the field.

10.3.2 Assemble the Soxhlet apparatus. Charge the Soxhlet apparatus (see Figure 4a) with 300 mL of the extraction solvent [10 percent (v/v) diethyl ether/hexane] and reflux for 2 hours. Let the apparatus cool, disassemble it, and discard the used extraction solvent. Transfer the filter and PUF glass cartridge to the Soxhlet apparatus (the use of an extraction thimble is optional).

[Note: The filter and adsorbent assembly are extracted together in order to reach detection limits, to minimize cost and to prevent misinterpretation of the data. Separate analyses of the filter and PUF would not yield useful information about the physical state of most of the common pesticides and PCBs at the time of sampling due to evaporative losses of the analyte from the filter during sampling.]

10.3.3 Add between 300 and 350 mL of diethyl ether/hexane (10 percent v/v) to the Soxhlet apparatus. Reflux the sample for 18 hours at a rate of at least 3 cycles per hour. Allow to cool, then disassemble the apparatus.

10.3.4 Assemble a K-D concentrator (see Figure 4b) by attaching a 10-mL concentrator tube to a 500-mL evaporative flask.

10.3.5 Transfer the extract by pouring it through a drying column containing about 10 cm of anhydrous granular sodium sulfate (see Figure 4c) and collect the extract in the K-D concentrator. Rinse the Erlenmeyer flask and column with 20 to 30 mL of 10 percent diethyl ether/hexane to complete the quantitative transfer.

10.3.6 Add 1 or 2 clean boiling chips and attach a 3-ball Snyder column to the evaporative flask. Pre-wet the Snyder column by adding about 1 mL of the extraction solvent to the top of the column. Place the K-D apparatus on a hot water bath (50°C) so that the concentrator tube is partially immersed in the hot water, and the entire lower rounded surface of the flask is bathed with hot vapor. Adjust the vertical position of the apparatus and the water temperature as required to complete the concentration in one hour. At the proper rate of distillation, the balls of the column will actively chatter but the chambers will not flood with condensed solvent. When the apparent volume of liquid reaches approximately 5 mL, remove the K-D apparatus from the water bath and allow it to drain and cool for at least 5 minutes. Remove the Snyder column and rinse the flask and its lower joint into the concentrator tube with 5 mL of hexane. A 5-mL syringe is recommended for this operation.

[Note: The solvent may have to be exchanged to another solvent to meet the requirements of the analytical procedure selected for the target analytes.]

10.3.7 Concentrate the extract to 1 mL and analyze according to Section 13.

10.3.8 Acceptable levels of common pesticides must be less than 10 ng for each pair of filter and adsorbent assembly analyzed. For multiple component mixtures (e.g., PCBs), the blank level should be less than 100 ng for each pair of filter and adsorbent. Once certified clean, the cartridges can be shipped to the field without being chilled.

11. Assembly, Calibration and Collection Using High-Volume Sampling System

[Note: This method was developed using the PS-1 semi-volatile sampler provided by General Metal Works, Village of Cleves, OH as a guideline. EPA has experience in use of this equipment during various field monitoring programs over the last several years. Other manufacturers' equipment should work as well.

However, modifications to these procedures may be necessary if another commercially available sampler is selected.]

11.1 Description of Sampling Apparatus

The entire sampling system is diagrammed in Figure 1. This apparatus was developed to operate at a rate of 4 to 10 scfm (0.114 to 0.285 std m^3/min) and is used by EPA for high-volume sampling of ambient air. The method write-up presents the use of this device.

The sampling module (see Figure 2) consists of a filter and a glass sampling cartridge containing the PUF utilized to concentrate common pesticides and PCBs from the air. A field portable unit has been developed by EPA (see Figure 3).

11.2 Calibration of Sampling System

Each sampler should be calibrated (1) when new, (2) after major repairs or maintenance, (3) whenever any audit point deviates from the calibration curve by more than 7 percent, (4) before/after each sampling event, and (5) when a different sample collection media, other than that which the sampler was originally calibrated to, will be used for sampling.

11.2.1 Calibration of Orifice Transfer Standard. Calibrate the modified high volume air sampler in the field using a calibrated orifice flow rate transfer standard. Certify the orifice transfer standard in the laboratory against a positive displacement rootsmeter (see Figure 6). Once certified, the recertification is performed rather infrequently if the orifice is protected from damage. Recertify the orifice transfer standard performed once per year utilizing a set of five multiple resistance plates.

[Note: The set of five multihole resistance plates are used to change the flow through the orifice so that several points can be obtained for the orifice calibration curve. The following procedure outlines the steps to calibrate the orifice transfer standard in the laboratory.]

11.2.1.1 Record the room temperature (T_1 in °C) and barometric pressure (P_b in mm Hg) on the Orifice Calibration Data Sheet (see Figure 7). Calculate the room temperature in K (absolute temperature) and record on Orifice Calibration Data Sheet.

$$T_1 \text{ in K} = 273° + T_1 \text{ in °C}$$

11.2.1.2 Set up laboratory orifice calibration equipment as illustrated in Figure 6. Check the oil level of the rootsmeter prior to starting. There are 3 oil level indicators, 1 at the clear plastic end and 2 site glasses, 1 at each end of the measuring chamber.

11.2.1.3 Check for leaks by clamping both manometer lines, blocking the orifice with cellophane tape, turning on the high volume motor, and noting any change in the rootsmeter's reading. If the rootsmeter's reading changes, there is a leak in the system. Eliminate the leak before proceeding. If the rootsmeter's reading remains constant, turn off the hi-vol motor, remove the cellophane tape, and unclamp both manometer lines.

11.2.1.4 Install the 5-hole resistance plate between the orifice and the filter adapter.

11.2.1.5 Turn manometer tubing connectors 1 turn counter-clockwise. Make sure all connectors are open.

11.2.1.6 Adjust both manometer midpoints by sliding their movable scales until the zero point corresponds with the meniscus. Gently shake or tap to remove any air bubbles and/or liquid remaining on tubing connectors. (If additional liquid is required for the water manometer, remove tubing connector and add clean water.)

11.2.1.7 Turn on the high volume motor and let it run for 5 minutes to set the motor brushes. Turn the motor off. Insure manometers are set to zero. Turn the high volume motor on.

11.2.1.8 Record the time, in minutes, required to pass a known volume of air (approximately 200 to 300 ft^3 of air for each resistance plate) through the rootsmeter by using the rootsmeter's digital volume dial and a stopwatch.

11.2.1.9 Record both manometer readings-orifice water manometer (ΔH) and rootsmeter mercury manometer (ΔP) on Orifice Calibration Data Sheet (see Figure 7).

[Note: ΔH is the sum of the difference from zero (0) of the two column heights.]

11.2.1.10 Turn off the high volume motor.

11.2.1.11 Replace the 5-hole resistance plate with the 7-hole resistance plate.

11.2.1.12 Repeat Sections 11.2.1.3 through 11.2.1.11.

11.2.1.13 Repeat for each resistance plate. Note results on Orifice Calibration Data Sheet (see Figure 7). Only a minute is needed for warm-up of the motor. Be sure to tighten the orifice enough to eliminate any leaks. Also check the gaskets for cracks.

[Note: The placement of the orifice prior to the rootsmeter causes the pressure at the inlet of the rootsmeter to be reduced below atmospheric conditions, thus causing the measured volume to be incorrect. The volume measured by the rootsmeter must be corrected.]

11.2.1.14 Correct the measured volumes on the Orifice Calibration Data Sheet:

$$V_{std} = V_m \left(\frac{P_a - \Delta P}{P_{std}}\right)\left(\frac{T_{std}}{T_a}\right)$$

where:

V_{std} = standard volume, std m^3

V_m = actual volume measured by the rootsmeter, m^3

P_a = barometric pressure during calibration, mm Hg

ΔP = differential pressure at inlet to volume meter, mm Hg

P_{std} = 760 mm Hg

T_{std} = 273 + 25°C = 298 K

T_a = ambient temperature during calibration, K.

11.2.1.15 Record standard volume on Orifice Calibration Data Sheet.

11.2.1.16 The standard flow rate as measured by the rootsmeter can now be calculated using the following formula:

$$Q_{std} = \frac{V_{std}}{\theta}$$

where:

Q_{std} = standard volumetric flow rate, std m^3/min

θ = elapsed time, min

11.2.1.17 Record the standard flow rates to the nearest 0.01 std m^3/min.

11.2.1.18 Calculate and record $\sqrt{\Delta H\ (P_1/P_{std})(298/T_1)}$ value for each standard flow rate.

11.2.1.19 Plot each $\sqrt{\Delta H\ (P_1/P_{std})(298/T_1)}$ value (y-axis) versus its associated standard flow rate (x-axis) on arithmetic graph paper and draw a line of best fit between the individual plotted points.

[Note: This graph will be used in the field to determine standard flow rate.]

11.2.2 Calibration of the High Volume Sampling System Utilizing Calibrated Orifice Transfer Standard

For this calibration procedure, the following conditions are assumed in the field:

- The sampler is equipped with a valve to control sample flow rate.
- The sample flow rate is determined by measuring the orifice pressure differential, using a Magnehelic gauge.
- The sampler is designed to operate at a standardized volumetric flow rate of 8 ft^3/min (0.225 m^3/min), with an acceptable flow rate range within 10 percent of this value.
- The transfer standard for the flow rate calibration is an orifice device. The flow rate through the orifice is determined by the pressure drop caused by the orifice and is measured using a "U" tube water manometer or equivalent.
- The sampler and the orifice transfer standard are calibrated to standard volumetric flow rate units (scfm or scmm).
- An orifice transfer standard with calibration traceable to NIST is used.
- A "U" tube water manometer or equivalent, with a 0- to 16-inch range and a maximum scale division of 0.1 inch, will be used to measure the pressure in the orifice transfer standard.
- A Magnehelic gauge or equivalent, with a 9- to 100-inch range and a minimum scale division of 2 inches for measurements of the differential pressure across the sampler's orifice is used.
- A thermometer capable of measuring temperature over the range of 32° to 122°F (0° to 50°C) to ±2°F (±1°C) and referenced annually to a calibrated mercury thermometer is used.
- A portable aneroid barometer (or equivalent) capable of measuring ambient barometric pressure between 500 and 800 mm Hg (19.5 and 31.5 in. Hg) to the nearest mm Hg and referenced annually to a barometer of known accuracy is used.
- Miscellaneous handtools, calibration data sheets or station log book, and wide duct tape are available.

11.2.2.1 Set up the calibration system as illustrated in Figure 8. Monitor the airflow through the sampling system with a venturi/Magnehelic assembly, as illustrated in Figure 8. Audit the field sampling system once per quarter using a flow rate transfer standard, as described in the EPA *High Volume-Sampling Method, 40 CVR 50, Appendix B*. Perform a single-point calibration before and after each sample collection, using the procedures described in Section 11.2.3.

11.2.2.2 Prior to initial multi-point calibration, place an empty glass cartridge in the sampling head and activate the sampling motor. Fully open the flow control valve and adjust the voltage variator so that a sample flow rate corresponding to 110 percent of the desired flow rate (typically 0.20 to 0.28 m^3/min) is indicated on the Magnehelic gauge (based on the previously obtained multipoint calibration curve). Allow the motor to warm up for 10 minutes and then adjust the flow control valve to achieve the desire flow rate. Turn off the sampler. Record the ambient temperature and barometric pressure on the Field Calibration Data Sheet (see Figure 9).

11.2.2.3 Place the orifice transfer standard on the sampling head and attach a manometer to the tap on the transfer standard, as illustrated in Figure 8. Properly align the retaining rings with the filter holder and secure

by tightening the three screw clamps. Connect the orifice transfer standard by way of the pressure tap to a manometer using a length of tubing. Set the zero level of the manometer or Magnehelic. Attach the Magnehelic gauge to the sampler venturi quick release connections. Adjust the zero (if needed) using the zero adjust screw on face of the gauge.

11.2.2.4 To leak test, block the orifice with a rubber stopper, wide duct tape, or other suitable means. Seal the pressure port with a rubber cap or similar device. Turn on the sampler.

Caution: Avoid running the sampler for too long a time with the orifice blocked. This precaution will reduce the chance that the motor will be overheated due to the lack of cooling air. Such overheating can shorten the life of the motor.

11.2.2.5 Gently rock the orifice transfer standard and listen for a whistling sound that would indicate a leak in the system. A leak-free system will not produce an upscale response on the sampler's Magnehelic. Leaks are usually caused either by damaged or missing gaskets by cross-threading and/or not screwing sample cartridge together tightly. All leaks must be eliminated before proceeding with the calibration. When the sample is determined to be leak-free, turn off the sampler and unblock the orifice. Now remove the rubber stopper or plug from the calibrator orifice.

11.2.2.6 Turn the flow control valve to the fully open position and turn the sampler on. Adjust the flow control valve until a Magnehelic reading of approximately 70 in. is obtained. Allow the Magnehelic and manometer readings to stabilize and record these values on the orifice transfer Field Calibration Data Sheet (see Figure 9).

11.2.2.7 Record the manometer reading under Y1 and the Magnehelic reading under Y2 on the Field Calibration Data Sheet. For the first reading, the Magnehelic should still be at 70 inches as set above.

11.2.2.8 Set the Magnehelic to 60 inches by using the sampler's flow control valve. Record the manometer (Y1) and Magnehelic (Y2) readings on the Field Calibration Data Sheet (see Figure 9).

11.2.2.9 Repeat the above steps using Magnehelic settings of 50, 40, 30, 20, and 10 inches.

11.2.2.10 Turn the voltage variator to maximum power, open the flow control valve, and confirm that the Magnehelic reads at least 100 inches. Turn off the sampler and confirm that the Magnehelic reads zero.

11.2.2.11 Read and record the following parameters on the Field Calibration Data Sheet. Record the following on the calibration data sheet:

Data, job number, and operator's signature;

- Sampler serial number;
- Ambient barometric pressure; and
- Ambient temperature.

11.2.2.12 Remove the "dummy" cartridge and replace with a sample cartridge.

11.2.2.13 Obtain the Manufacturer High Volume Orifice Calibration Certificate.

11.2.2.14 If not performed by the manufacturer, calculate values for each calibrator orifice static pressure (Column 6, inches of water) on the manufacturer's calibration certificate using the following equation:

$$\sqrt{\Delta H(P_a/760)(298/[T_a + 273])}$$

where:

P_a = the barometric pressure (mm Hg) at time of manufacturer calibration, mm Hg
T_a = temperature at time of calibration, °C

11.2.2.15 Perform a linear regression analysis using the values in Column 7 of the manufacturer High Volume Orifice Calibration Certificate for flow rate (Q_{std}) as the "X" values and the calculated values as the Y

values. From this relationship, determine the correlation (CC1), intercept (B1), and slope (M1) for the Orifice Transfer Standard.

11.2.2.16 Record these values on the Field Calibration Data Sheet (see Figure 9).

11.2.2.17 Using the Field Calibration Data Sheet values (see Figure 9), calculate the Orifice Manometer Calculated Values (Y3) for each orifice manometer reading using the following equation:

Y3 Calculation

$$Y3 = [Y1(P_a/760)(298/\{T_a + 273\})]^{½}$$

11.2.2.18 Record the values obtained in Column Y3 on the Field Calibration Data Sheet (see Figure 9).

11.2.2.19 Calculate the Sampler Magnehelic Calculate Values (Y4) using the following equation:

Y4 Calculation

$$Y4 = [Y2(P_a/760)(298/\{T_a + 273\})]^{½}$$

11.2.2.20 Record the value obtained in Column Y4 on the Field Calibration Data Sheet (see Figure 9).

11.2.2.21 Calculate the Orifice Flow Rate (X1) in scm, using the following equation:

X1 Calculation

$$X1 = \frac{Y3 - B1}{M1}$$

11.2.2.22 Record the values obtained in Column X1, on the Field Calibration Data Sheet (see Figure 9).

11.2.2.23 Perform a linear regression of the values in Column X1 (as X) and the values in Column Y4 (as Y). Record the relationship for correlation (CC2), intercept (B2), and slope (M2) on the Field Calibration Data Sheet.

11.2.2.24 Using the following equation, calculate a set point (SP) for the manometer to represent a desired flow rate:

$$\text{Set point (SP)} = [(\text{Expected } P_a)/(\text{Expected } T_a)(T_{std}/P_{std})][M2\ (\text{Desired flow rate}) + B2]^2$$

where:

P_a = Expected atmospheric pressure (P_a), mm Hg
T_a = Expected atmospheric temperature (T_a), °C
M2 = Slope of developed relationship
B2 = Intercept of developed relationship
T_{std} = Temperature standard, 25°C
P_{std} = Pressure standard, 760 mm Hg

11.2.2.25 During monitoring, calculate a flow rate from the observed Magnehelic reading using the following equations:

$$Y5 = [\text{Average Magnehelic Reading } (\Delta H)\ (P_a/T_a)(T_{std}/P_{std})]^{1/2}$$

$$X2 = \frac{Y5 - B2}{M2}$$

where:

Y5 = Corrected Magnehelic reading
X2 = Instant calculated flow rate, scm

11.2.2.26 The relationship in calibration of a sampling system between Orifice Transfer Standard and flow rate through the sampler is illustrated in Figure 10.

11.2.3 Single-Point Audit of the High Volume Sampling System Utilizing Calibrated Orifice Transfer Standard

Single point calibration checks are required as follows:

- Prior to the start of each 24-hour test period.
- After each 24-hour test period. The post-test calibration check may serve as the pre-test calibration check for the next sampling period if the sampler is not moved.
- Prior to sampling after a sample is moved.

For samplers, perform a calibration check for the operational flow rate before each 24-hour sampling event and when required as outlined in the user quality assurance program. The purpose of this check is to track the sampler's calibration stability. Maintain a control chart presenting the percentage difference between a sampler's indicated and measured flow rates. This chart provides a quick reference of sampler flow-rate drift problems and is useful for tracking the performance of the sampler. Either the sampler log book or a data sheet will be used to document flowcheck information. This information includes, but is not limited to, sampler and orifice transfer standard serial number, ambient temperature, pressure conditions, and collected flow-check data.

In this subsection, the following is assumed:

- The flow rate through a sampler is indicated by the orifice differential pressure;
- Samplers are designed to operate at an actual flow rate of 8 scfm, with a maximum acceptable flow-rate fluctuation range of ±10 percent of this value;
- The transfer standard will be an orifice device equipped with a pressure tap. The pressure is measured using a manometer; and
- The orifice transfer standard's calibration relationship is in terms of standard volumetric flow rate (Q_{std}).

11.2.3.1 Perform a single point flow audit check before and after each sampling period utilizing the Calibrated Orifice Transfer Standard (see Section 11.2.1).

11.2.3.2 Prior to single point audit, place a "dummy" glass cartridge in the sampling head and activate the sampling motor. Fully open the flow control valve and adjust the voltage variator so that a sample flow rate corresponding to 110 percent of the desired flow rate (typically 0.19 to 0.28 m^3/min) is indicated on the Magnehelic gauge (based on the previously obtained multipoint calibration curve). Allow the motor to warm up for 10 minutes and then adjust the flow control valve to achieve the desired flow rate. Turn off the sampler. Record the ambient temperature and barometric pressure on the Field Test Data Sheet (see Figure 11).

11.2.3.3 Place the flow rate transfer standard on the sampling head.

11.2.3.4 Properly align the retaining rings with the filter holder and secure by tightening the 3 screw clamps. Connect the flow rate transfer standard to the manometer using a length of tubing.

11.2.3.5 Using tubing, attach 1 manometer connector to the pressure tap of the transfer standard. Leave the other connector open to the atmosphere.

11.2.3.6 Adjust the manometer midpoint by sliding the movable scale until the zero point corresponds with the water meniscus. Gently shake or tap to remove any air bubbles and/or liquid remaining on tubing connectors. (If additional liquid is required, remove tubing connector and add clean water.)

11.2.3.7 Turn on high-volume motor and let run for 5 minutes.

11.2.3.8 Record the pressure differential indicated, ΔH, in inches of water, on the Field Test Data Sheet. Be sure stable ΔH has been established.

11.2.3.9 Record the observed Magnahelic gauge reading, in inches of water, on the Field Test Data Sheet. Be sure stable ΔM has been established.

11.2.3.10 Using previous established Orifice Transfer Standard curve, calculate Q_{xs} (see Section 11.2.2.23).

11.2.3.11 This flow should be within ±10 percent of the sampler set point, normally, 8 ft^3. If not, perform a new multipoint calibration of the sampler.

11.2.3.12 Remove flow rate transfer standard and dummy adsorbent cartridge.

11.3 Sample Collection

11.3.1 General Requirements

11.3.1.1 The sampler should be located in an unobstructed area, at least 2 meters from any obstacle to air flow. The exhaust hose should be stretched out in the downwind direction to prevent recycling of air into the sample head.

11.3.1.2 All cleaning and sample module loading and unloading should be conducted in a controlled environment, to minimize any chance of potential contamination.

11.3.1.3 When new or when using the sampler at a different location, all sample contact areas need to be cleared. Use triple rinses of reagent grade hexane contained in Teflon® rinse bottles. Allow the solvent to evaporate before loading the PUF modules.

11.3.2 Preparing Cartridge for Sampling

11.3.2.1 Detach the lower chamber of the cleaned sample head. While wearing disposable, clean, lint-free nylon, or powder-free surgical gloves, remove a clean glass adsorbent module from its shipping container. Remove the Teflon® end caps. Replace the end caps in the sample container to be reused after the sample has been collected.

11.3.2.2 Insert the glass module into the lower chamber and tightly reattach the lower chambers to the module.

11.3.2.3 Using clean rinsed (with hexane) Teflon-tipped forceps, carefully place a clean conditioned fiber filter atop the filter holder and secure in place by clamping the filter holder ring over the filter. Place the aluminum protective cover on top of the cartridge head. Tighten the 3 screw clamps. Ensure that all module connections are tightly assembled. Place a small piece of aluminum foil on the ball-joint of the sample cartridge to protect from back-diffusion of semi-volatile into the cartridge during transporting to the site.

[Note: Failure to do so could result in air flow leaks at poorly sealed locations which could affect sample representativeness.]

11.3.2.4 Place in a carrying bag to take to the sampler.

11.3.3 Collection

11.3.3.1 After the sampling system has been assembled, perform a single point flow check as described in Sections 11.2.3.

11.3.3.2 With the empty sample module removed from the sampler, rinse all sample contact areas using reagent grade hexane in a Teflon® squeeze bottle. Allow the hexane to evaporate from the module before loading the samples.

11.3.3.3 With the sample cartridge removed from the sampler and the flow control valve fully open, turn the pump on and allow it to warm-up for approximately 5 minutes.

11.3.3.4 Attach a "dummy" sampling cartridge loaded with the exact same type of filter and PUF media to be used for sample collection.

11.3.3.5 Turn the sampler on and adjust the flow control valve to the desired flow as indicated by the Magnehelic gauge reading determined in Section 11.2.2.24. Once the flow is properly adjusted, take extreme care not to inadvertently alter its setting.

11.3.3.6 Turn the sampler off and remove the "dummy" module. The sampler is now ready for field use.

11.3.3.7 Check the zero reading of the sampler Magnehelic. Record the ambient temperature, barometric pressure, elapsed time meter setting, sampler serial number, filter number, and PUF cartridge number on the Field Test Data Sheet (see Figure 11). Attach the loaded sampler cartridge to the sampler.

11.3.3.8 Place the voltage variator and flow control valve at the settings used in Section 11.3.2, and the power switch. Activate the elapsed time meter and record the start time. Adjust the flow (Magnehelic setting), if necessary, using the flow control valve.

11.3.3.9 Record the Magnehelic reading every 6 hours during the sampling period. Use the calibration factors (see Section 11.2.2.24) to calculate the desired flow rate. Record the ambient temperature, barometric pressure, and Magnehelic reading at the beginning and during sampling period.

11.3.4 Sample Recovery

11.3.4.1 At the end of the desired sampling period, turn the power off. Carefully remove the sampling head containing the filter and adsorbent cartridge. Place the protective "plate" over the filter to protect cartridge during transport to clean recovery area. Also, place a piece of aluminum foil around the bottom of adsorbent sampler head.

11.3.4.2 Perform a final calculated sampler flow check using the calibration orifice, as described in Section 11.3.2. If calibration deviates by more than 10 percent from initial reading, mark the flow data for that sample as suspect and inspect and/or remove from service, record results on Field Test Data Sheet, Figure 11.

11.3.4.3 Transport adsorbent sampler head to a clean recovery area.

11.3.4.4 While wearing disposable lint free nylon or powder-free surgical gloves, remove the PUF cartridge from the lower module chamber and lay it on the retained aluminum foil in which the sample was originally wrapped.

11.3.4.5 Carefully remove the glass fiber filter from the upper chamber using clean Teflon®-tipped forceps.

11.3.4.6 Fold the filter in half twice (sample side inward) and place it in the glass cartridge atop the PUF.

11.3.4.7 Wrap the combined samples in the original hexane rinsed aluminum foil, attached Teflon® end caps and place them in their *original* aluminum sample container. Complete a sample label and affix it to the aluminum shipping container.

11.3.4.8 Chain-of-custody should be maintained for all samples. Store the containers under dry ice and protect from UV light to prevent possibly photo-decomposition of collected analytes. If the time span between sample collection and laboratory analysis is to exceed 24 hours, refrigerate sample at 4°C.

11.3.4.9 Return at least 1 field filter/PUF blank to the laboratory with each group of samples. Treat a field blank exactly as the sample except that no air is drawn through the filter/adsorbent cartridge assembly.

11.3.4.10 Ship and store field samples chilled (<4°) (blue ice is acceptable) until receipt at the analytical laboratory, after which they should be refrigerated at less than or equal to 4°C. Extraction must be performed within 7 days of sampling and analysis within 40 days of extraction.

12. Sample Extraction Procedure

[Note: Sample extraction should be performed under a properly ventilated hood.]

12.1 Sample Extraction

12.1.1 All samples should be extracted within 1 week after collection. All samples should be stored at <4°C until extracted.

12.1.2 All glassware should be washed with a suitable detergent; rinsed with deionized water, acetone, and hexane; rinsed again with deionized water; and fired in an oven (500°C).

12.1.3 Prepare a spiking solution for determination of extraction efficiency. The spiking solution should contain one or more surrogate compounds that have chemical structures and properties similar to those of the analytes of interest. Octachloronaphthalene (OCN) and dibutylchlorendate have been used as surrogates for determination of organochlorine pesticides by GC with an ECD. Tetrachloro-m-xylene and decachlorobiphenyl can also be used together to insure recovery of early and late eluting compounds. For organophosphate pesticides, tributylphosphate or triphenylphosphate may be employed as surrogates. The surrogate solution should be prepared so that addition of 100 μL into the PUF plug results in an extract containing the surrogate compound at the high end of the instrument's calibration range. As an example, the spiking solution for OCN is prepared by dissolving 10 mg of OCN in 10 mL of 10% acetone in n-hexane, followed by serial dilution n-hexane to achieve a final spiking solution of OCN is 1 μg/mL.

[Note: Use the recoveries of the surrogate compounds to monitor for unusual matrix effects and gross sample processing errors. Evaluate surrogate recovery for acceptance by determining whether the measured concentration falls within the acceptance limits of 60-120 percent.]

12.1.4 The extracting solution (10% diethyl ether/hexane) is prepared by mixing 1800 mL of freshly opened hexane and 200 mL of freshly opened diethyl ether (preserved with ethanol) to a flask.

12.1.5 All clean glassware, forceps, and other equipment to be used should be rinsed with 10% diethyl ether/hexane and placed on rinsed (10% diethyl ether/hexane) aluminum foil until use. The condensing towers should also be rinsed with 10% diethyl ether/hexane. Then add 700 mL of 10% diethyl ether/hexane to the 1,000 mL round bottom flask and add up to three boiling granules.

12.1.6 Using precleaned (i.e., 10% diethyl ether/hexane Soxhlet extracted) cotton gloves, the filter/PUF cartridge is removed from the sealed container, the PUF removed from the glass cartridge, and the filter/PUF together are placed into the 300 mL Soxhlet extractor using prerinsed forceps.

12.1.7 Before extraction begins, add 100 µL of the OCN solution directly to the top of the PUF plug.

[Note: Incorporating a known concentration of the solution onto the sample provides a quality assurance check to determine recovery efficiency of the extraction and analytical processes.]

12.1.8 Connect the Soxhlet extractor to the 1,000 mL boiling flask and condenser. Wet the glass joints with 10% diethyl ether/hexane to ensure a tight seal between the fittings. If necessary, the PUF plug can be adjusted

using forceps to wedge it midway along the length of the siphon. The above procedure should be followed for all samples, with the inclusion of a blank control sample.

12.1.9 The water flow to the condenser towers of the Soxhlet extraction assembly should be checked and the heating unit turned on. As the samples boil, the Soxhlet extractors should be inspected to ensure that they are filling and siphoning properly (4 to 6 cycles/hour). Samples should cycle for a minimum of 16 hours.

12.1.10 At the end of the extracting process (minimum of 16 hours), the heating unit is turned off and the sample cooled to room temperature.

12.1.11 The extracts are then concentrated to 5 mL using a Kuderna-Danish (K-D) apparatus. The K-D is set up, assembled with concentrator tubes, and rinsed. The lower end of the filter tube is packed with glass wool and filled with sodium sulfate to a depth of 40 mm. The filter tube is then placed in the neck of the K-D. The Soxhlet extractors and boiling flasks are carefully removed from the condenser towers and the remaining solvent is drained into each boiling flask. Sample extract is carefully poured through the filter tube into the K-D. Each boiling flask is rinsed three times by swirling hexane along the sides. Once the sample has drained, the filter tube is rinsed down with hexane. Each Snyder column is attached to the K-D and rinsed to wet the joint for a tight seal. The complete K-D apparatus is placed on a steam bath and the sample is evaporated to approximately 5 mL.

[Note: Do not allow samples to evaporate to dryness.]

Remove sample from the steam bath, rinse the Snyder column with a minimum of hexane, and allow to cool. Adjust sample volume to 10 mL in a concentrator tube, close with a glass stopper, and seal with TFE fluorocarbon tape. Alternatively, the sample may be quantitatively transferred (with concentrator tube rinsing) to prescored vials and brought up to final volume. Concentrated extracts are stored at <4°C until analyzed. Analysis should occur no later than 40 days after sample extraction.

12.2 Sample Cleanup

12.2.1 If only polar compounds are sought, an alumina cleanup procedure is appropriate. Before cleanup, the sample extract is carefully reduced to 1 mL using a gentle stream of clean nitrogen.

12.2.2 A glass chromatographic column (2-mm I.D. x 15-cm long) is packed with alumina (7), activity grade IV, and rinsed with approximately 20 mL of n-hexane. The concentrated sample extract is placed on the column and eluted with 10 mL of n-hexane at a rate of 0.5 mL/minute. The eluate volume is adjusted to exactly 10 mL and analyzed as per Section 13.

12.2.3 If both PCBs and common pesticides are sought, alternate cleanup procedures (8,9) may be required (i.e., silicic acid).

12.2.4 Finally, class separation and improved specificity can be achieved by column clean-up and separation on Florisil (9).

13. Analytical Procedure

13.1 Analysis of Organochlorine Pesticides by Capillary Gas Chromatography with Electron Capture Detector (GC/ECD)

[Note: Organochlorine pesticides, PCBs and many nonchlorinated pesticides are responsive to electron capture detection (see Table 1). Most of these compounds can be analyzed at concentration of 1 to 50 ng/mL by GC/ECD. The following procedure is appropriate. Sampling and analytical methods that have been used to determine pesticides and PCBs collected from air using a modification of this methodology have been published (14-22).]

13.1.1 Select GC column (e.g., 0.3-mm by 30-m DB-5 column) and appropriate GC conditions to separate the target analytes. Typical operating parameters for this column with splitless injection are: Carrier gas-chromatography grade helium at a flow rate of 1 to 2 mL/min and a column head pressure of 7 to 9 psi (48 to 60 kPa); injector temperature of 250°C; detector temperature of 350°C; initial oven temperature of 50°C held for 2.0 min., ramped at 15°C/min to 150°C for 8 min, ramped at 10°C/min to 295°C then held for 5 min; purge time of 1.0 min. A typical injection volume is 2 to 3 μL.

13.1.2 Remove sample extract from refrigerator and allow to warm to room temperature.

13.1.3 Prepare standard solution from reference materials of known purity. Analytically pure standards of organochlorine pesticides and PCBs are available from several commercial sources.

13.1.4 Use the standard solutions of the various compounds of interest to determine relative retention times (RRTs) to an internal standard such as p,p'-DDE, aldrin or octachloronaphthalene. Use 1 to 3-μL injections or other appropriate volumes.

13.1.5 Determine detector linearity by injecting standard solutions of three different concentrations (amounts) that bracket the range of analyses. The calibration is considered linear if the relative standard deviation (RSD) of the three response factors for the three standards is 20 percent or less.

13.1.6 Calibrate the system with a minimum of three levels of calibration standards in the linear range. The low standard should be near the analytical method detection limit. The calibration is considered linear if the relative standard deviation (RSD) of the three response factors for the three standards is 20 percent or less. The initial calibration should be verified by the analysis of a standard from an independent source. Recovery of 85 to 115 percent is acceptable. The initial calibration curve should be verified at the begining of each day and after every ten samples by the analysis of the midpoint standard; an RPD of 15% or less is acceptable for continuing use of the initial calibration curve.

13.1.7 Inject 1 to 3 μL of sample extract. Record volume injected to the nearest 0.05 μL.

13.1.8 A typical ECD response for a mixture of single component pesticides using a capillary column is illustrated in Figure 12. If the response (peak height or area) exceeds the calibration range, dilute the extract and reanalyze.

13.1.9 Quantify PCB mixtures by comparison of the total heights or areas of GC peaks (minimum of five) with the corresponding peaks in the best-matching standard. Use Aroclor 1242 for early-eluting PCBs and either Aroclor 1254 or Aroclor 1260 as appropriate for late-eluting PCBs.

13.1.10 If both PCBs and organochlorine pesticides are present in the same sample, use column chromatographic separation on silicic acid (8,9) prior to GC analysis.

13.1.11 If polar compounds are present that interfere with GC/ECD analysis, use column chromatographic cleanup or alumina (7), activity grade IV, in accordance with Section 12.2.

13.1.12 For confirmation use a second GC column such as DB-608. All GC procedures except GC/MS require second column confirmation.

13.1.13 For improved resolution use a capillary column such as an 0.25-mm I.D. x 30-m DB-5 with 0.25 μm film thickness. The following conditions are appropriate.

- Helium carrier gas at 1 mL/min.
- Column temperature program, 90°C (4 min)/16°C/min to 154°C/4°C/min to 270°C.
- Detector, ^{63}Ni ECD at 350°C.
- Make up gas, nitrogen, or 5% methane/95% argon at 60 mL/min.
- Splitless injection, 2 μL maximum.
- Injector temperature, 220°C.

13.1.14 Class separation and improved specificity can be achieved by column chromatographic separation on Florisil (9).

13.1.15 A Hall electrolytic conductivity detector (HECD) operated in the reductive mode may be substituted for the ECD for improved specificity. Sensitivity, however, will be reduced by at least an order of magnitude.

13.2 Analysis of Organophosphorus Pesticides by Capillary Gas Chromatography with Flame Photometric or Nitrogen-Phosphorus Detectors (GC/FPD/NPD)

[Note: Organophosphorus pesticides are responsive to flame photometric and nitrogen-phosphorus (alkali flame ionization) detection. Most of these compounds can be analyzed at concentrations of 50 to 500 ng/mL using either of these detectors.]

13.2.1 Procedures given in Section 13.1.1 through 13.1.9 and Section 13.1.13 through 13.1.14 apply, except for the selection of surrogates.

13.2.2 Use tributylphosphate, triphenylphosphate, or other suitable compound(s) as surrogates to verify extraction efficiency and to determine RRTs.

13.3 Analysis of Carbamate and Urea Pesticides by Capillary Gas Chromatography with Nitrogen-Phosphorus Detector

13.3.1 Trazine, carbamate, and urea pesticides may be determined by capillary GC (DB-5, DB-17, or DB-1701 stationary phase) using nitrogen-phosphorus detection or MS-SIM with detection limits in the 0.05 to 0.2 μL/mL range. Procedures given in Section 13.1.1 through 13.1.9 and Section 13.1.13 through 13.1.14 apply, except for the selection of surrogates, detector, and make up gas.

13.3.2 Thermal degradation may be minimized by reducing the injector temperature to 200°C. HPLC may also be used, but detection limits will be higher (1 to 5 μg/mL).

13.3.3 N-methyl carbamates may be determined using reverse-phase high performance liquid chromatography (HPLC) (C-18) (Section 13.4) and post-column derivization with o-phthaldehyde and fluorescence detection (EPA Method 531). Detection limits of 0.01 to 0.1 μg/mL can be achieved.

13.4 Analysis of Carbamate, Urea, Pyrethroid, and Phenolic Pesticides by High Performance Liquid Chromatography (HPLC)

[Note: Many carbamate pesticides, urea pesticides, pyrethrins, phenols, and other polar pesticides may be analyzed by high HPLC with fixed or variable wavelength UV detection. Either reversed-phase or normal phase chromatography may be used. Detection limits are 0.2 to 10 μg/mL of extract.]

13.4.1 Select HPLC column (i.e., Zorbax-SIL, 46-mm I.D. x 25-cm, or μ-Bondapak C18, 3.9-mm x 30-cm, or equivalent).

13.4.2 Select solvent system (i.e., mixtures of methanol or acetonitrile with water or mixtures of heptane or hexane with isopropanol).

13.4.3 Follow analytical procedures given in Sections 13.1.2 through 13.1.9.

13.4.4 If interferences are present, adjust the HPLC solvent system composition or use column chromatographic clean-up with silica gel, alumina, or Florisil (9).

13.4.5 An electrochemical detector may be used to improve sensitivity for some ureas, carbonates, and phenolics. Much more care is required in using this detector, particularly in removing dissolved oxygen from the mobile phase and sample extracts.

13.4.6 Chlorophenol (di- through penta-) may be analyzed by GC/ECD or GC/MS after derivatization with pentafluorobenzylbromide (EPA Method 604).

13.4.7 Chlorinated phenoxyacetic acid herbicides and pentachlorophenol can be analyzed by GC/ECD or GC/MS after derivatization with diazomethane (EPA Method 515). DB-5 and DBJ-1701 columns (0.25-mm I.D. x 30-m) at 60 to 300°C/4°C per min have been found to perform well.

13.5 Analysis of Pesticides and PCBs by Gas Chromatography with Mass Spectrometry Detection (GC/MS)

[Note: A mass spectrometer operating in the selected ion monitoring mode is useful for confirmation and identification of pesticides.]

13.5.1 A mass spectrometer operating in select ion monitoring (SIM) mode can be used as a sensitive detector for multi-residue determination of a wide variety of pesticides. Mass spectrometers are now available that provide detection limits comparable to nitrogen-phosphorus and electron capture detectors.

13.5.2 Most of the pesticides shown in Table 1 have been successfully determined by GC/MS-SIM. Typical GC operating parameters are as described in Section 13.1.1.

13.5.3 The mass spectrometer is typically operated using positive ion electron impact ionization (70 eV). Other instrumental parameters are instrument specific.

13.5.4 p-Terphenyl-d_{14} is commonly used as a surrogate for GC/MS analysis.

13.5.5 Quantification is typically performed using an internal standard method. 1,4-Dichlorobenzene, naphthalene-d_8, acenaphthene-d_{10}, phenanthrene-d_{10}, chrysene-d_{12} and perylene-d_{12} are commonly used as internal standards. Procedures given in Section 13.1.1 through 13.1.9 and Section 13.1.13 through 13.1.14 apply, except for the selection of surrogates, detector, and make up gas.

13.5.6 See ASTM Practice D 3687 for injection technique, determination of relative retention times, and other procedures pertinent to GC and HPLC analyses.

13.6 Sample Concentration

13.6.1 If concentrations are too low to detect by the analytical procedure of choice, the extract may be concentrated to 1 mL or 0.5 mL by carefully controlled evaporation under an inert atmosphere. The following procedure is appropriate.

13.6.2 Place K-D concentrator tube in a water bath and analytical evaporator (nitrogen blow-down) apparatus. The water bath temperature should be from 25°C to 50°C.

13.6.3 Adjust nitrogen flow through hypodermic needle to provide a gentle stream.

13.6.4 Carefully lower hypodermic needle into the concentrator tube to a distance of about 1 cm above the liquid level.

13.6.5 Continue to adjust needle placement as liquid level decreases.

13.6.6 Reduce volume to slightly below desired level.

13.6.7 Adjust to final volume by carefully rinsing needle tip and concentrator tube well with solvent (usually n-hexane).

14. Calculations

14.1 Determination of Concentration

14.1.1 The concentration of the analyte in the extract solution can be taken from a standard curve where peak height or area is plotted linearly against concentration in nanograms per milliliter (ng/mL). If the detector response is known to be linear, a single point is used as a calculation constant.

14.1.2 From the standard curve, determine the nanograms of analyte standard equivalent to the peak height or area for a particular compound.

14.1.3 Ascertain whether the field blank is contaminated. Blank levels should not exceed 10 ng/sample for organochlorine pesticides or 100 ng/sample for PCBs and other pesticides. If the blank has been contaminated, the sampling series must be held suspect.

14.2 Equations

14.2.1 Quantity of the compound in the sample (A) is calculated using the following equation:

$$A = 1000 \left(\frac{A_s \times V_e}{V_i} \right)$$

where:

A = total amount of analyte in the sample, ng.

A_s = calculated amount of material injected onto the chromatograph based on calibration curve for injected standards, ng.

V_e = final volume of extract, mL.

V_i = volume of extract injected, μL.

1000 = factor for converting microliters to milliliters.

14.2.2 The extraction efficiency (EE) is determined from the recovery of surrogate spike as follows:

$$EE(\%) = \left|\frac{S}{S_a}\right|[100]$$

where:

EE = extraction efficiency, %
S = amount of spike recovered, ng.
S_a = amount of spike added to plug, ng.

The extraction efficiency (surrogate recovery) must fall between 60-120% to be acceptable.

14.2.3 The total volume of air sampled under ambient conditions is determined using the following equation:

$$V_a = \frac{\sum_{i=1}^{n} (T_i \times F_i)}{1000\ L/m^3}$$

where:

V_a = total volume of air sampled, m^3.
T_i = length of sampling segment between flow checks, min.
F_i = average flow during sampling segment, L/min.

14.2.4 The air volume is corrected to EPA standard temperature (25°C) and standard pressure (760 mm Hg) as follows:

$$V_s = V_a \left(\frac{P_b - P_w}{760\ mm\ Hg}\right)\left(\frac{298K}{t_A}\right)$$

where:

V_s = volume of air at standard conditions (25°C and 760 mm Hg), std. m^3.
V_a = total volume of air sampled, m^3.
P_b = average ambient barometric pressure, mm Hg.
P_w = vapor pressure of water at calibration temperature, mm Hg.
t_A = average ambient temperature, °C + 273.

14.2.5 If the proper criteria for a sample have been met, concentration of the compound in a standard cubic meter of air sampled is calculated as follows:

$$C_a(ng/std.\ m^3) = \left[\frac{(A)}{(V_s)}\right]$$

If it is desired to convert the air concentration value to parts per trillion (ppt) in dry air at standard temperature and pressure (STP), the following conversion is used:

$$ppt = 0.844\ (C_a)$$

The air concentration can be converted to parts per trillion (v/v) in air at STP as follows:

$$pptv = \left[\frac{(24.45)\ (C_a)}{(MW)}\right]$$

where:

MW = molecular weight of the compound of interest, g/g-mole.

14.2.6 If quantification is performed using an internal standard, a relative response factor (RRF) is calculated by the equation:

$$RRF = \left[\frac{(I_s)(C_{is})}{(I_{is})(C_s)}\right]$$

where:

I_s = integrated area of the target analyte peak, counts.
I_{is} = integrated area of the internal standard peak, counts.
C_{is} = concentration of the internal standard, ng/μL.
C_s = concentration of the analyte, ng/µL.

14.2.7 The concentration of the analyte (C_a) in the sample is then calculated as follows:

$$C_a = \frac{(I_s)(C_{is})}{(RRF)(I_{is})}$$

where:

I_s = integrated area of the target analyte peak, counts.
RRF = relative response factor (see Section 14.2.7).

15. Performance Criteria and Quality Assurance

[Note: This section summarizes required quality assurance (QA) measures and provides guidance concerning performance criteria that should be achieved within each laboratory.]

15.1 Standard Operating Procedures (SOPs)

15.1.1 Users should generate SOPs describing the following activities accomplished in their laboratory: (1) assembly, calibration, and operation of the sampling system, with make and model of equipment used; (2) preparation, purification, storage, and handling of sampling cartridges, (3) assembly, calibration, and operation of the analytical system, with make and model of equipment used; and (4) all aspects of data recording and processing, including lists of computer hardware and software used.

15.1.2 SOPs should provide specific stepwise instructions and should be readily available to, and understood by, the laboratory personnel conducting the work.

15.2 Process, Field, and Solvent Blanks

15.2.1 One filter/PUF cartridge from each batch of approximately twenty should be analyzed, without shipment to the field, for the compounds of interest to serve as a process blank.

15.2.2 During each sampling episode, at least one filter/PUF cartridge should be shipped to the field and returned, without drawing air through the sampler, to serve as a field blank.

15.2.3 Before each sampling episode, one PUF plug from each batch of approximately twenty should be spiked with a known amount of the standard solution. The spiked plug will remain in a sealed container and will not be used during the sampling period. The spiked plug is extracted and analyzed with the other samples. This field spike acts as a quality assurance check to determine matrix spike recoveries and to indicate sample degradation.

15.2.4 During the analysis of each batch of samples, at least one solvent process blank (all steps conducted but no filter/PUF cartridge included) should be carried through the procedure and analyzed.

15.2.5 Levels for process, field and solvent blanks should not exceed 10 ng/sample for single components or 100 ng/sample for multiple component mixtures (i.e., for organochlorine pesticides and PCBs).

15.3 Method Precision and Bias

15.3.1 Precision and bias in this type of analytical procedure are dependent upon the precision and bias of the analytical procedure for each compound of concern, and the precision and bias of the sampling process.

15.3.2 Several different parameters involved in both the sampling and analysis steps of this method collectively determine the precision and bias with which each compound is detected. As the volume of air sampled is increased, the sensitivity of detection increases proportionately within limits set by: (a) the retention efficiency for each specific component trapped on the polyurethane foam plug, and (b) the background interference associated with the analysis of each specific component at a given site sampled. The sensitivity of detection of samples recovered by extraction depends on: (a) the inherent response of the particular GC detector used in the determinative step, and (b) the extent to which the sample is concentrated for analysis. It is the responsibility of the analyst(s) performing the sampling and analysis steps to adjust parameters so that the required detection limits can be obtained.

15.3.3 The reproducibility of this method for most compounds for which it has been evaluated has been determined to range from ±5 to ±30% (measured as the relative standard deviation) when replicate sampling cartridges are used (N>5). Sample recoveries for individual compounds generally fall within the range of 90 to 110%, but recoveries ranging from 65 to 125% are considered acceptable.

15.4 Method Safety

15.4.1 This procedure may involve hazardous materials, operations, and equipment. This method does not purport to address all of the safety problems associated with its use.

15.4.2 It is the users responsibility to consult and establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to the implementation of this procedure. This should be part of the users SOP manual.

16. References

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TABLE 1. COMPOUNDS FOR WHICH PROCEDURE HAS BEEN TESTED[1]

Compound	Recommended Analysis[2]	Compound	Recommended Analysis
Alachlor	GC/ECD	Folpet	GC/ECD
Aldrin	GC/ECD	Heptachlor	GC/ECD
Allethrin	HPLC/UV	Heptachlor epoxide	GC/ECD
Aroclor 1242	GC/ECD	Hexachlorobenzene	GC/ECD
Aroclor 1254	GC/ECD	Lindane (γ-BHC)	GC/ECD
Aroclor 1260	GC/ECD	Linuron	HPLC/UV
Atrazine	GC/NPD	Malathion	GC/NPD or FPD
Bendiocarb	HPLC/UV	Methyl parathion	GC/NPD or FPD
BHC (α- and β-Hexachlorocyclohexanes)	GC/ECD	Methoxychlor	GC/FCD
Captan	GC/ECD	Metolachlor	GC/ECD
Carbaryl	HPLC/UV	Mexacarbate	GC/FCD
Carbofuran	HPLC/UV	Mirex	GC/ECD
Chlordane, technical	GC/ECD	Monuron	HPLC/UV
Chlorothalonil	GC/ECD	Trans-nonachlor	GC/ECD
Chlorotoluron	HPLC/UV	Oxychlordane	GC/ECD
Chlorpyritos	GC/ECD	Pentachlorobenzene	GC/ECD
2,4-D esters and salts	GC/ECD	Pentachlophenol	GC/ECD
Dacthal	GC/ECD	Permethrin (cis and trans)	HPLC/UV
p,p-'DDT	GC/ECD	o-Phenylphenol	HPLC/UV
p,p-'DDE	GC/ECD	Phorate	GC/NPD or FPD
Diazinon	GC/NPD or FPD	Propazine	GC/NPD
Dicloran	GC/ECD	Propoxur (Baygon)	HPLC/UV
Dieldrin	GC/ECD	Pyrethrin	HPLC/UV
Dicofol	GC/ECD	Resmethrin	HPLC/UV
Dicrotophos	HPLC/UV	Ronnel	GC/ECD
Diuron	HPLC/UV	Simazine	HPLC/UV
Ethyl parathion	GC/NPD or FPD	Terbuthiuron	HPLC/UV
Fenvalerate	HPLC/UV	Trifluralin	GC/ECD
Fluometuron	HPLC/UV		

[1] The following recommendations are specific for that analyte for maximum sensitivity.
[2] GC = gas chromatography; ECD = electron capture detector, FPD = flame photometric detector; HPLC = high performance liquid chromatography; NPD = nitrogen-phosphorus detector; UV = ultraviolet absorption detector; GC/MS = gas chromatography/mass spectrometry may also be used.

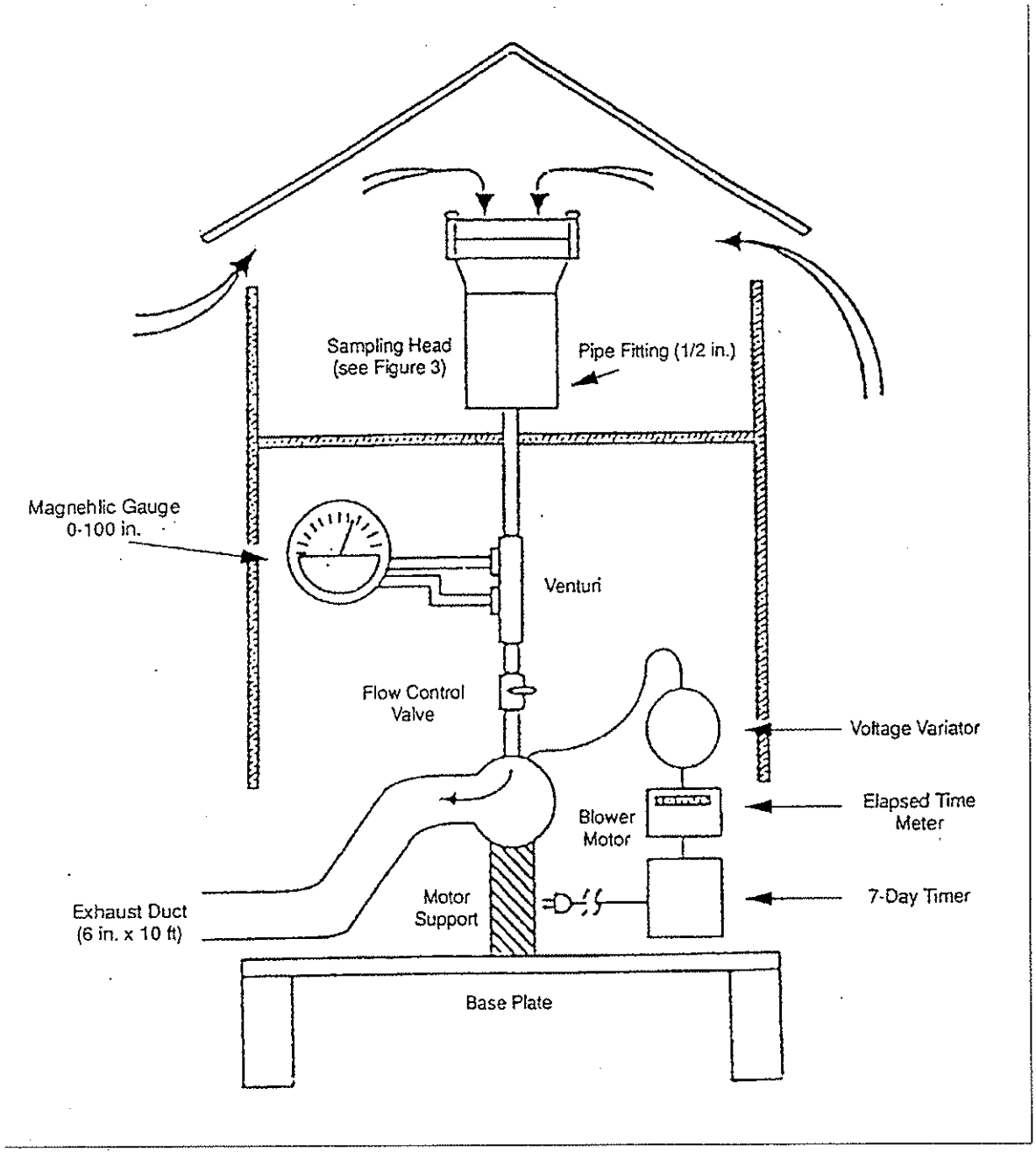

Figure 1. Typical high volume air sampler for monitoring common pesticides and PCBs.

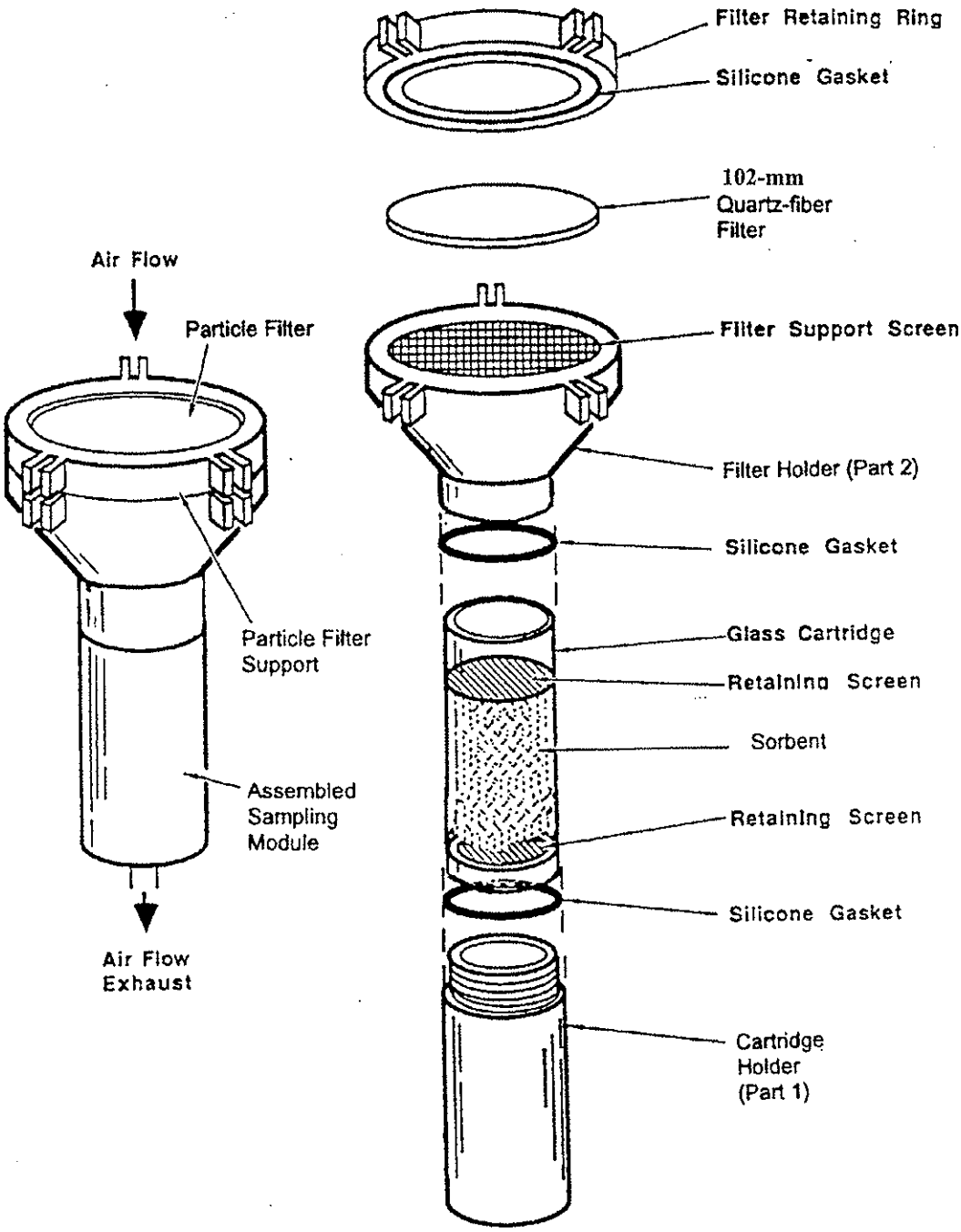

Figure 2. Typical absorbent cartridge assembly for sampling common pesticides and PCBs.

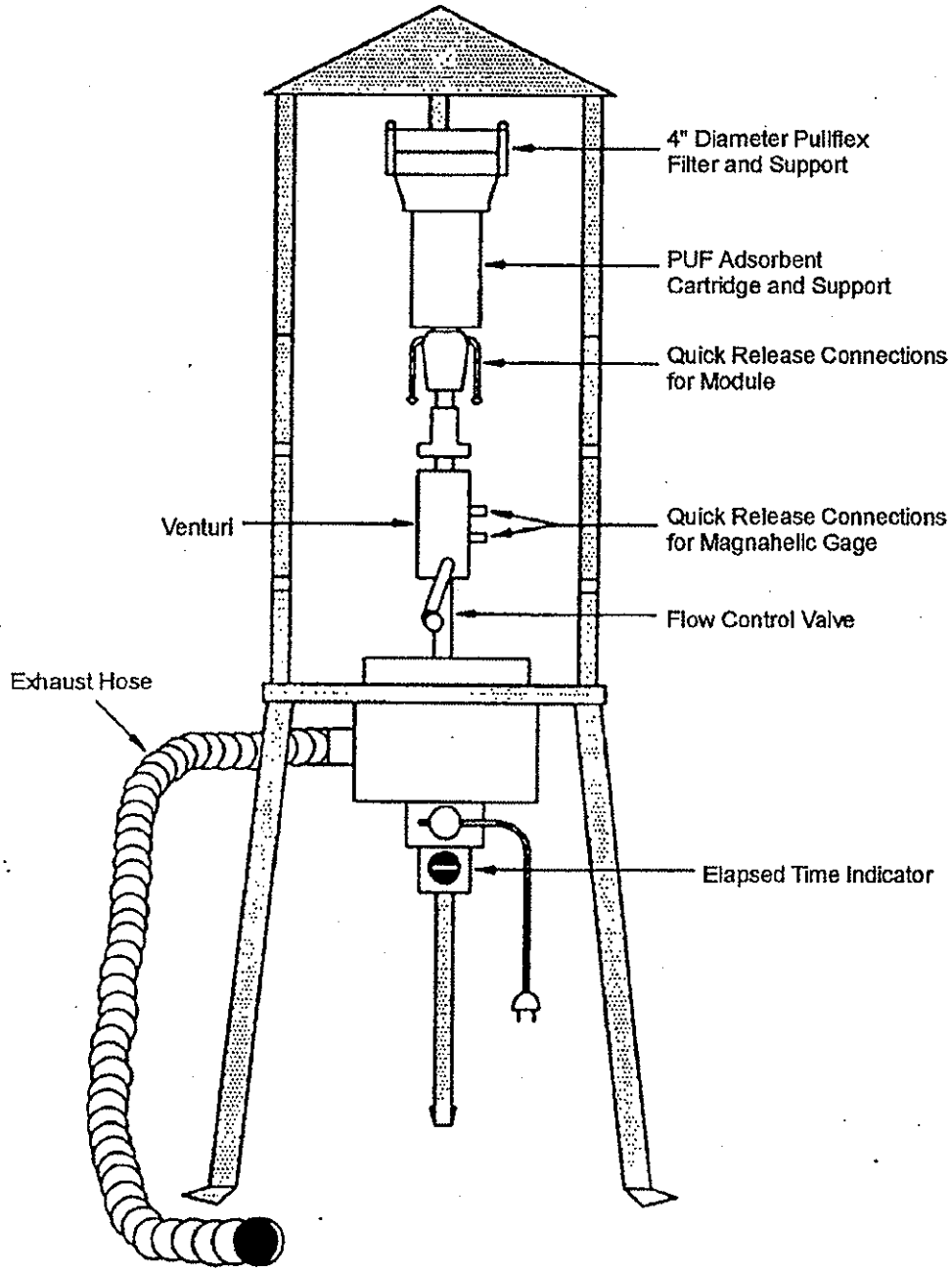

Figure 3. Portable high volume air sampler developed by EPA.

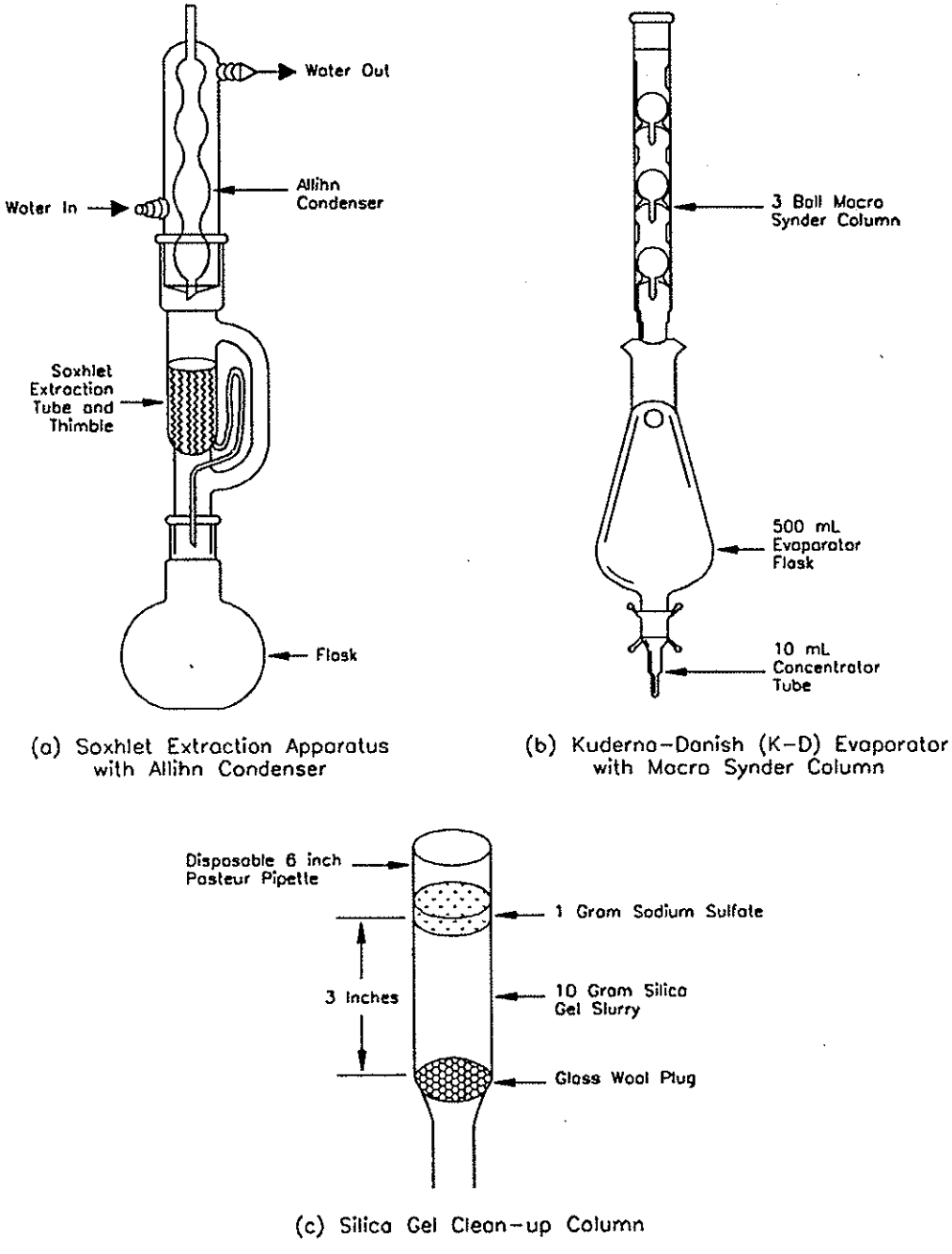

Figure 4. Apparatus used for sample clean-up and extraction.

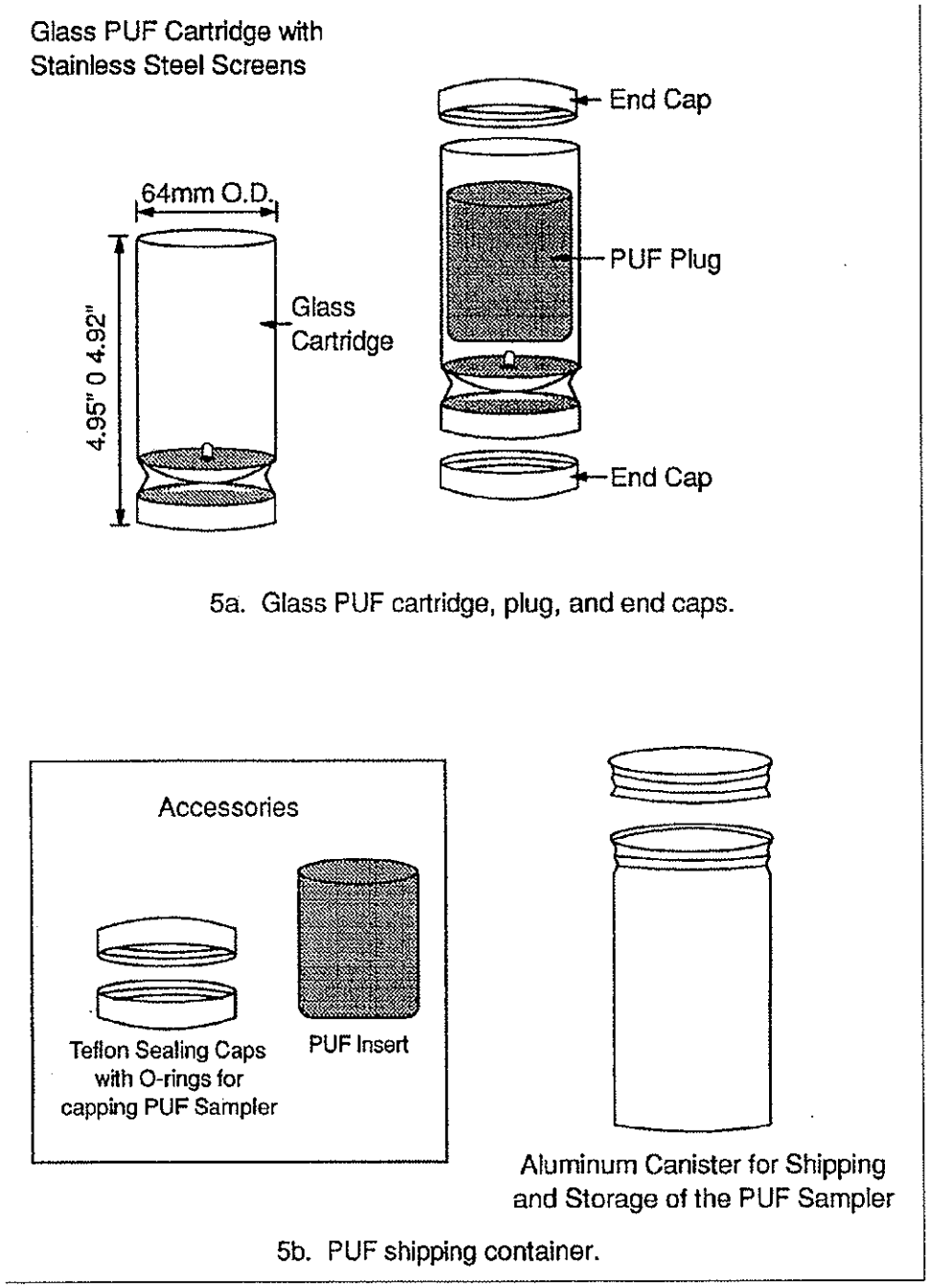

Figure 5. Glass PUF cartridge (5a) and shipping container (5b) for use with high-volume sampling systems.

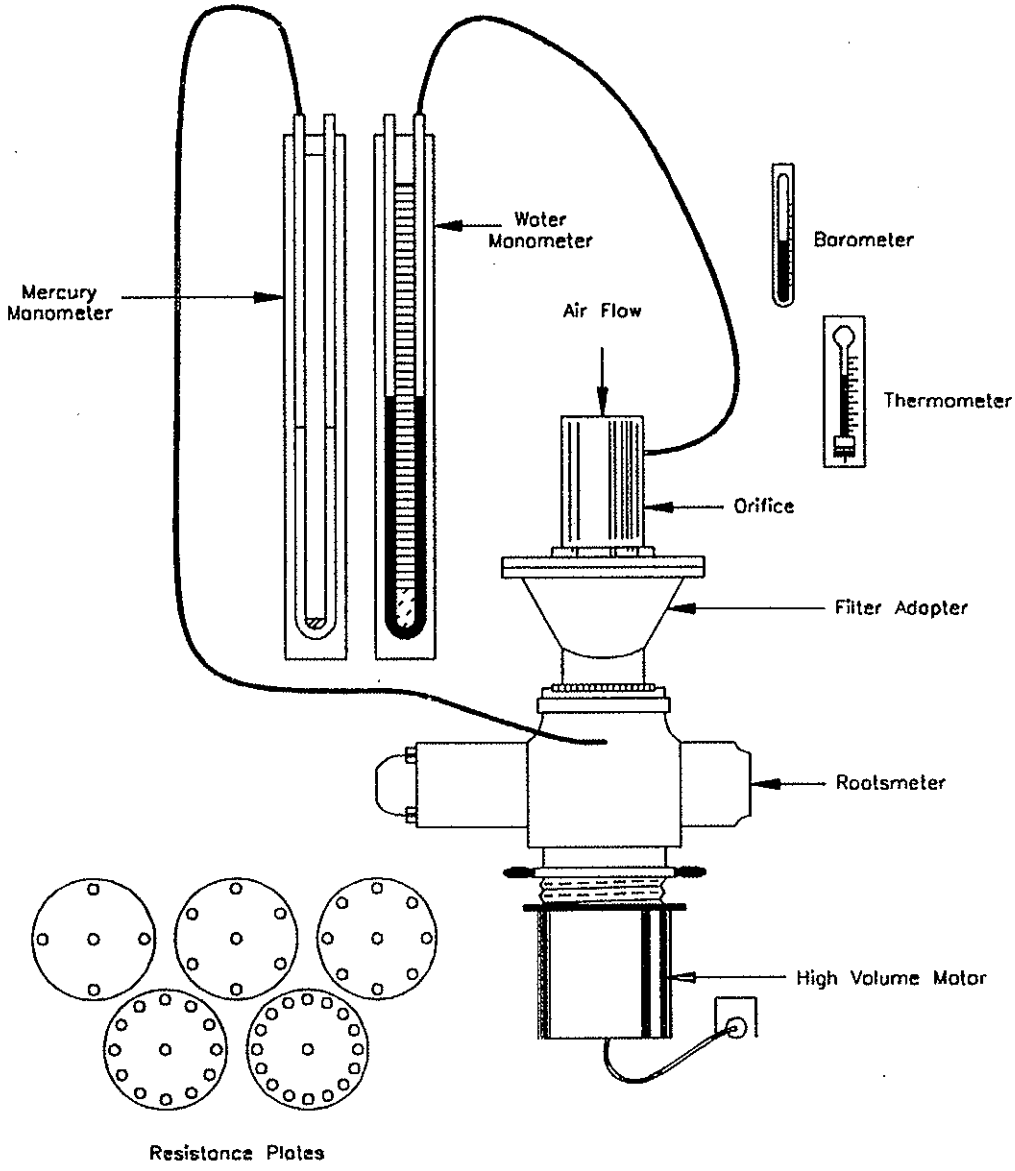

Figure 6. Positive displacement rootsmeter used to calibrate orifice transfer standard.

COMPENDIUM METHOD TO-4A
ORIFICE CALIBRATION DATA SHEET

T_1 _____ Name _____

P_1 _____ mmHg Date _____

Orifice No. _____

Rootsmeter No. _____

Resistance Plants (No. of holes)	Air Volume Measured by Rootsmeter V_m (R^3)	Air Volume Measured by Rootsmeter V_m (m^3)	Standard Volume, V_{std} (std m^3)	Time for Air Volume to Pass Through Rootsmeter, θ (min)	Rootsmeter Pressure Differential, ΔP (mm Hg)	Pressure Drop Across Orifice, ΔH (in. H_2O)	x-Axis Standard Flowrate, Q_{std} (std m^3/min)	Y – axis $\sqrt{\Delta H(P_1/P_{std})(298/T_1)}$ value
5	200	5.66						
7	200	5.66						
10	300	8.50						
13	300	8.50						
18	300	8.50						

Factors: $(R^3)(0.02832\ \frac{m^3}{R^3}) = m^3$ and (in. Hg) $25.4\ (\frac{mm\ Hg}{in.\ Hg}) = mm\ Hg$

Calculation Equations:

1. $V_{std} = V_m\ (\frac{P_1 - \Delta P}{P_{std}})(\frac{T_{std}}{T_1})$

where:

$T_{std} = 296°K$

$P_{std} = 760.0$ mm Hg

2. $Q_{std} = \frac{V_{std}}{\theta}$

Figure 7. Orifice calibration data sheet.

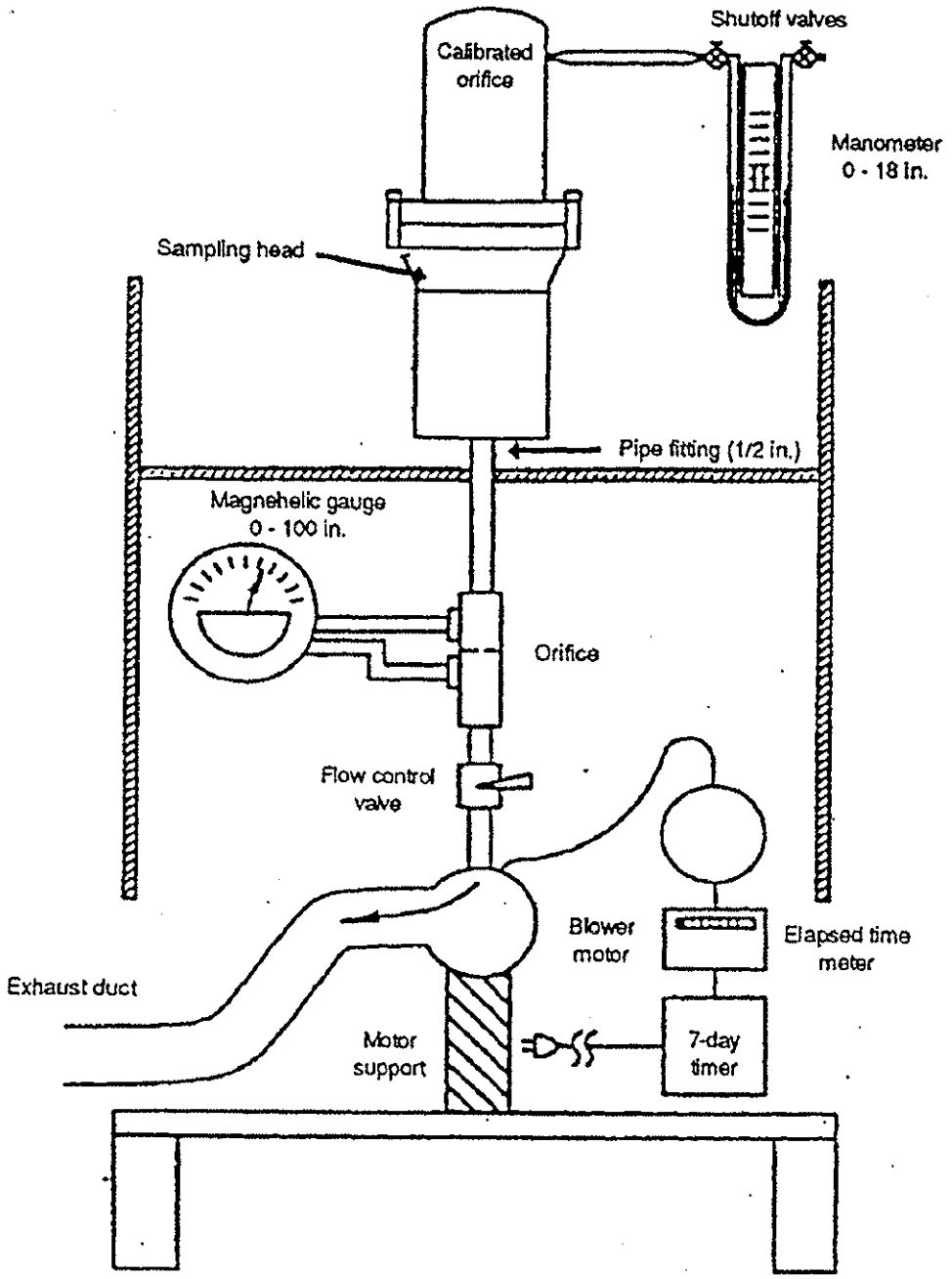

Figure 8. Field calibration configuration of the high-volume sampler for common pesticides and PCBs.

COMPENDIUM METHOD TO-4A
FIELD CALIBRATION DATA SHEET FOR SAMPLER CALIBRATION

Sampler ID: Calibration Orifice ID:

Sampler Location: Job No.:

High Volume Transfer Orifice Data:

Correlation Coefficient (CC1): Slope (M1):

(CC2): (M2):

Intercept (B1):

(B2):

Calibration Date: ____ Time:

Calibration Ambient Temperature: ____°F ____°C CALIBRATOR'S SIGNATURE

Calibration Ambient Barometric Pressure: ____ "Hg ____ mm Hg

Calibration set point (SP): _____

SAMPLER CALIBRATION

Actual values from calibration		Calibrated values		
Orifice manometer, inches (Y1)	Monitor Magnehelic, inches (Y2)	Orifice manometer (Y3)	Monitor Magnehelic (Y4)	Calculated value orifice flow, scm (X1)
	70			
	60			
	50			
	40			
	30			
	20			
	10			

Definitions

Y1 = Calibration orifice reading, in. H_2O

Y2 = Monitor Magnehelic reading, in. H_2O

P_a = Barometric pressure actual, mm Hg

B1 = Manfacturer's Calibration orifice Intercept

M1 = Manufacturer's Calibration orifice manometer slope

Y3 = Calculated value for orifice manometer

= $[Y1(Pa/760)(298/\{Ta + 273\})]^{½}$

Y4 = Calculated value for Magnehelic

= $[Y2(Pa/760)(298/\{Ta + 273\})]^{½}$

X1 = Calculated value orifice flow, scm

= $\frac{Y3 - B1}{M1}$

P_{std} = Barometric pressure standard, 760 mm Hg

T_a = Temperature actual, °C

T_{std} = Temperature standard, 25°C

Figure 9. Orifice transfer standard field calibration data sheet.

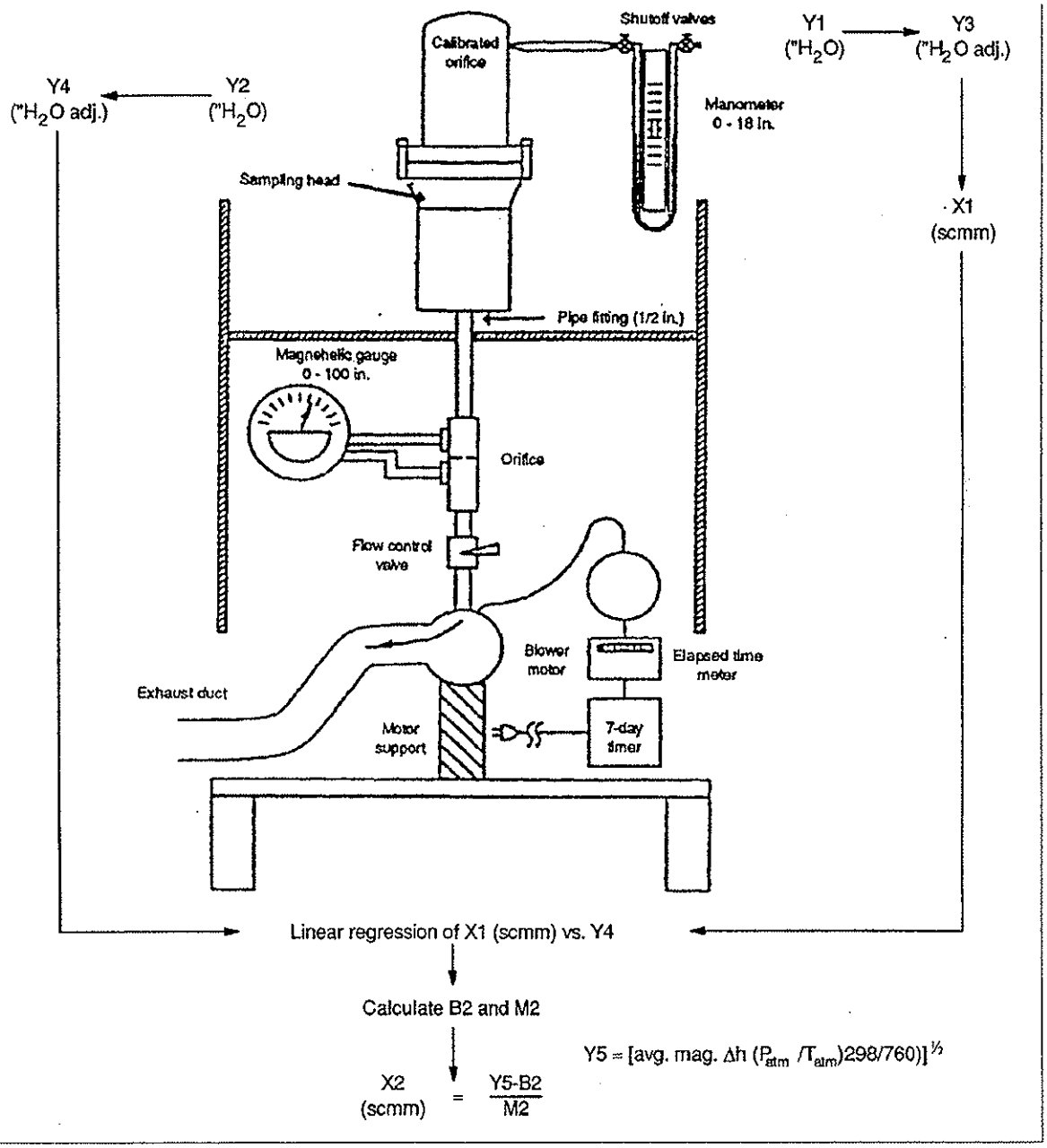

Figure 10. Relationship between orifice transfer standard and flow rate through sampler.

COMPENDIUM METHOD TO-4A
FIELD TEST DATA SHEET
GENERAL INFORMATION

Sampler I.D. No.: _____
Lab PUF Sample No.: _____
Sample location: _____
_____
_____

Operator: _____
Other: _____
_____
_____

PUF Cartridge Certification Date: _____
Date/Time PUF Cartridge Installed: _____
Elapsed Timer: _____
Start _____
Stop _____
Diff. _____
Sampling

M1 _____ B1 _____
M2 _____ B2 _____

	Start	Stop
Barometric pressure ("Hg)	_____	_____
Ambient Temperature (°F)	_____	_____
Rain	Yes _____	Yes _____
	No _____	No _____

Sampling time
Start _____
Stop _____
Diff. _____

Audit flow check within ±10 of set point
_____ Yes
_____ No

TIME	TEMP	BAROMETRIC PRESSURE	MAGNEHELIC READING	CALCULATED FLOW RATE (scmm)	READ BY
Avg.					

Comments

_____
_____
_____

Figure 11. Field test data sheet.

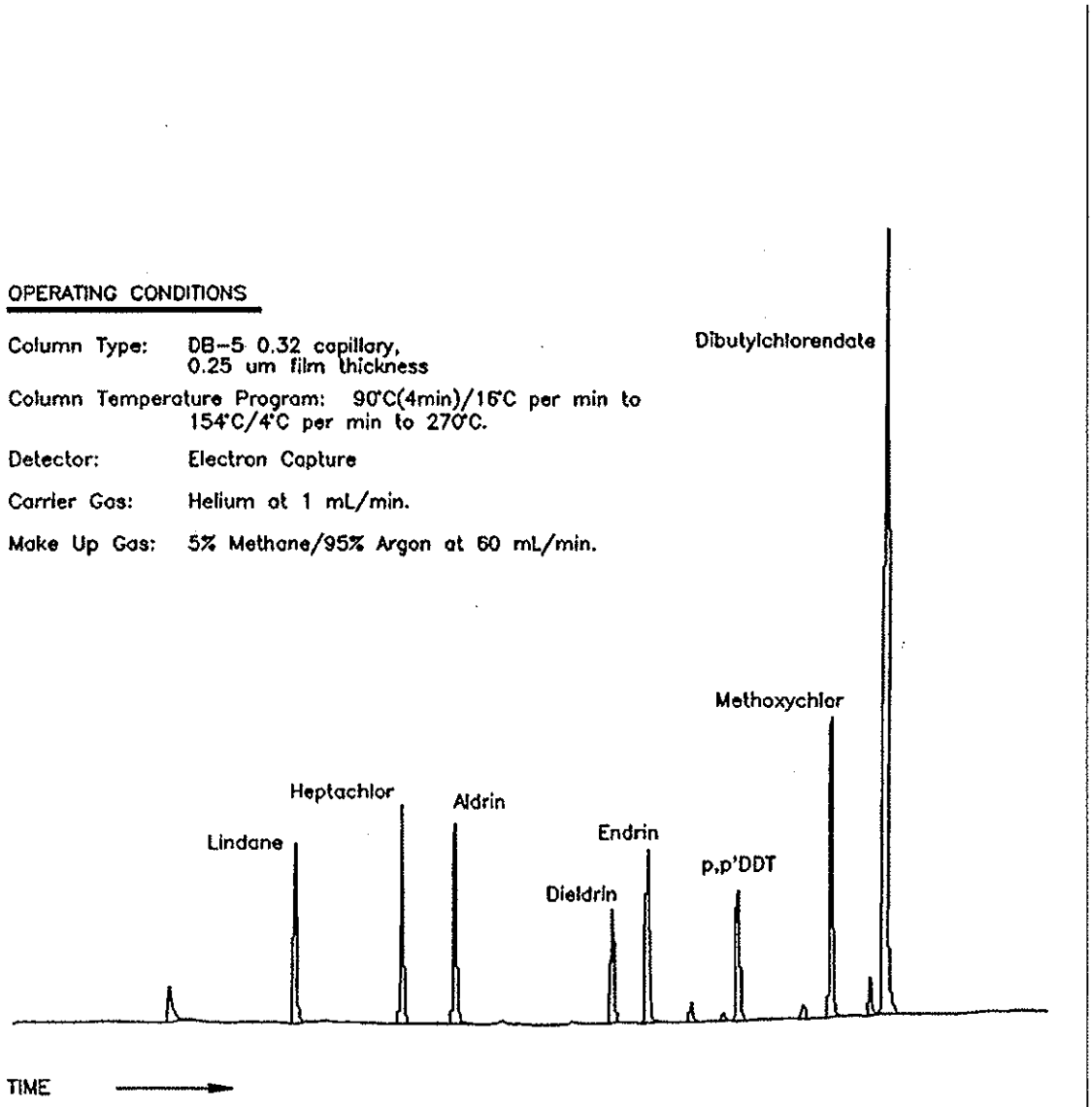

Figure 12. Chromatogram showing a mixture of single component pesticides determined by GC/ECD using a capillary column.

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APPENDIX V

ANALYTICAL RESULTS

SGS

Laboratory Analysis Report

BERKSHIRE ENVIRONMENTAL CONSULTANTS

GEAM

SGS Laboratory Delivery Group Number: TA5-F0-P140 Page 1

DATE: 06/10/05

COC: 014858

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in an attached case narrative. Release of the data contained in the hard copy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

A case narrative is not required.

Reference	Sample Description	Sampled	Laboratory Number
BLK-060705-100	GRAB	06/07/2005	TA5-F0-P140-001
AMN-060705-010	GRAB	06/07/2005	TA5-F0-P140-002
AMS-060705-008	GRAB	06/07/2005	TA5-F0-P140-003
AMSC-060705-201	GRAB	06/07/2005	TA5-F0-P140-004
AMW-060705-011	GRAB	06/07/2005	TA5-F0-P140-005
BMI-060705-001	GRAB	06/07/2005	TA5-F0-P140-006

Submitted by,

Barbara Hensley

Barbara Hensley
Project Manager

This report includes a total of 3 pages.

SGS Environmental Services
1258 Greenbrier Street Charlest[illegible] 25311

Sample Delivery Group: 5F0P140 **Chain of Custody Number: 014858** **Received by SGS 06/08/05 08:55**
ATTN: Maura Hawkins **BERKSHIRE ENVIRONMENTAL CONSULTANTS PITTSFIELD MA**

Reference: BLK-060705-100 Description: GRAB GEAM Matrix: AIR Sampled: 06/07/05 07:30
SGS Lab Number: TA5F0P140001 Percent Solids: N/A Sample Type: FB

Prep Code: T0-4A — Prepared: 06/08/05 13:00 — Preparation Batch: 114465 — Analyst: bcl — Report Basis: N/A
Run#: 001 Method Code: T0-4A — Analyzed: 06/09/05 12:10 — Analytical Batch: 114519 — Dilution Factor: 1.00 — Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	AROCLOR-1016	ND	0.10	U	ug/puf	0.10						12674-11-2
Analyte....	AROCLOR-1221	ND	0.10	U	ug/puf	0.10						11104-28-2
Analyte....	AROCLOR-1232	ND	0.10	U	ug/puf	0.10						11141-16-5
Analyte....	AROCLOR-1242	ND	0.10	U	ug/puf	0.10						53469-21-9
Analyte....	AROCLOR-1248	ND	0.10	U	ug/puf	0.10						12672-29-6
Analyte....	AROCLOR-1254	ND	0.10	U	ug/puf	0.10						11097-69-1
Analyte....	AROCLOR-1260	ND	0.10	U	ug/puf	0.10						11096-82-5
Surrogate..	DECACHLOROBIPHENYL	qc	3.1	*	ug/puf		1540	0.2	50 to 150			2051-24-3
Surrogate..	TETRACHLORO-M-XYLENE	qc	0.16		ug/puf		81	0.2	27 to 132			877-09-8

Reference: AMN-060705-010 Description: GRAB GEAM Matrix: AIR Sampled: 06/07/05 07:30
SGS Lab Number: TA5F0P140002 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A — Prepared: 06/08/05 13:00 — Preparation Batch: 114465 — Analyst: bcl — Report Basis: N/A
Run#: 001 Method Code: T0-4A — Analyzed: 06/09/05 12:27 — Analytical Batch: 114519 — Dilution Factor: 1.00 — Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	AROCLOR-1016	ND	0.10	U	ug/puf	0.10						12674-11-2
Analyte....	AROCLOR-1221	ND	0.10	U	ug/puf	0.10						11104-28-2
Analyte....	AROCLOR-1232	ND	0.10	U	ug/puf	0.10						11141-16-5
Analyte....	AROCLOR-1242	ND	0.10	U	ug/puf	0.10						53469-21-9
Analyte....	AROCLOR-1248	ND	0.10	U	ug/puf	0.10						12672-29-6
Analyte....	AROCLOR-1254	<Hit>	0.49		ug/puf	0.10						11097-69-1
Analyte....	AROCLOR-1260	ND	0.10	U	ug/puf	0.10						11096-82-5
Surrogate..	DECACHLOROBIPHENYL	qc	3.0	*	ug/puf		1520	0.2	50 to 150			2051-24-3
Surrogate..	TETRACHLORO-M-XYLENE	qc	0.19		ug/puf		95	0.2	27 to 132			877-09-8

SGS Environmental Services
1258 Greenbrier Street Charleston / 25311

Sample Delivery Group: 5F0P140 **Chain of Custody Number: 014858** **Received by SGS 06/08/05 08:55**
ATTN: Maura Hawkins BERKSHIRE ENVIRONMENTAL CONSULTANTS PITTSFIELD MA

Reference: AMS-060705-008 Description: GRAB GEAM Matrix: AIR Sampled: 06/07/05 07:30
SGS Lab Number: TA5F0P140003 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A — Prepared: 06/08/05 13:00 — Preparation Batch: 114465 — Analyst: bcl — Report Basis: N/A
Run#: 001 Method Code: T0-4A — Analyzed: 06/09/05 12:44 — Analytical Batch: 114519 — Dilution Factor: 1.00 — Analytical Run Type: 00

Type	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte	AROCLOR-1016		ND	0.10 U	ug/puf	0.10						12674-11-2
Analyte	AROCLOR-1221		ND	0.10 U	ug/puf	0.10						11104-28-2
Analyte	AROCLOR-1232		ND	0.10 U	ug/puf	0.10						11141-16-5
Analyte	AROCLOR-1242		ND	0.10 U	ug/puf	0.10						53469-21-9
Analyte	AROCLOR-1248		ND	0.10 U	ug/puf	0.10						12672-29-6
Analyte	AROCLOR-1254		<Hit>	0.61	ug/puf	0.10						11097-69-1
Analyte	AROCLOR-1260		ND	0.10 U	ug/puf	0.10						11096-82-5
Surrogate	DECACHLOROBIPHENYL	qc		2.3 *	ug/puf		1150	0.2	50 to 150			2051-24-3
Surrogate	TETRACHLORO-M-XYLENE	qc		0.18	ug/puf		90	0.2	27 to 132			877-09-8

Reference: AMSC-060705-201 Description: GRAB GEAM Matrix: AIR Sampled: 06/07/05 07:30
SGS Lab Number: TA5F0P140004 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A — Prepared: 06/08/05 13:00 — Preparation Batch: 114465 — Analyst: bcl — Report Basis: N/A
Run#: 001 Method Code: T0-4A — Analyzed: 06/09/05 13:01 — Analytical Batch: 114519 — Dilution Factor: 1.00 — Analytical Run Type: 00

Type	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte	AROCLOR-1016		ND	0.10 U	ug/puf	0.10						12674-11-2
Analyte	AROCLOR-1221		ND	0.10 U	ug/puf	0.10						11104-28-2
Analyte	AROCLOR-1232		ND	0.10 U	ug/puf	0.10						11141-16-5
Analyte	AROCLOR-1242		ND	0.10 U	ug/puf	0.10						53469-21-9
Analyte	AROCLOR-1248		ND	0.10 U	ug/puf	0.10						12672-29-6
Analyte	AROCLOR-1254		<Hit>	0.46	ug/puf	0.10						11097-69-1
Analyte	AROCLOR-1260		ND	0.10 U	ug/puf	0.10						11096-82-5
Surrogate	DECACHLOROBIPHENYL	qc		0.31 *	ug/puf		157	0.2	50 to 150			2051-24-3
Surrogate	TETRACHLORO-M-XYLENE	qc		0.12	ug/puf		62	0.2	27 to 132			877-09-8

SGS Environmental Services
1258 Greenbrier Street Charleston 25311

Sample Delivery Group: 5F0P140 **Chain of Custody Number: 014858** **Received by SGS 06/08/05 08:55**
ATTN: Maura Hawkins **BERKSHIRE ENVIRONMENTAL CONSULTANTS PITTSFIELD MA**

Reference: AMW-060705-011 Description: GRAB GEAM Matrix: AIR Sampled: 06/07/05 07:30
SGS Lab Number: TA5F0P140005 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A Prepared: 06/08/05 13:00 Preparation Batch: 114465 Analyst: bcl Report Basis: N/A
Run#: 001 Method Code: T0-4A Analyzed: 06/09/05 14:02 Analytical Batch: 114519 Dilution Factor: 1.00 Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	AROCLOR-1016		ND	0.10 U	ug/puf	0.10						12674-11-2
Analyte....	AROCLOR-1221		ND	0.10 U	ug/puf	0.10						11104-28-2
Analyte....	AROCLOR-1232		ND	0.10 U	ug/puf	0.10						11141-16-5
Analyte....	AROCLOR-1242		ND	0.10 U	ug/puf	0.10						53469-21-9
Analyte....	AROCLOR-1248		ND	0.10 U	ug/puf	0.10						12672-29-6
Analyte....	AROCLOR-1254		<Hit>	0.32	ug/puf	0.10						11097-69-1
Analyte....	AROCLOR-1260		ND	0.10 U	ug/puf	0.10						11096-82-5
Surrogate..	DECACHLOROBIPHENYL	qc		2.6 *	ug/puf		1310	0.2	50 to 150			2051-24-3
Surrogate..	TETRACHLORO-M-XYLENE	qc		0.18	ug/puf		88	0.2	27 to 132			877-09-8

Reference: BMI-060705-001 Description: GRAB GEAM Matrix: AIR Sampled: 06/07/05 07:30
SGS Lab Number: TA5F0P140006 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A Prepared: 06/08/05 13:00 Preparation Batch: 114465 Analyst: bcl Report Basis: N/A
Run#: 001 Method Code: T0-4A Analyzed: 06/09/05 14:18 Analytical Batch: 114519 Dilution Factor: 1.00 Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	AROCLOR-1016		ND	0.10 U	ug/puf	0.10						12674-11-2
Analyte....	AROCLOR-1221		ND	0.10 U	ug/puf	0.10						11104-28-2
Analyte....	AROCLOR-1232		ND	0.10 U	ug/puf	0.10						11141-16-5
Analyte....	AROCLOR-1242		ND	0.10 U	ug/puf	0.10						53469-21-9
Analyte....	AROCLOR-1248		ND	0.10 U	ug/puf	0.10						12672-29-6
Analyte....	AROCLOR-1254		<Hit>	2.5	ug/puf	0.10						11097-69-1
Analyte....	AROCLOR-1260		ND	0.10 U	ug/puf	0.10						11096-82-5
Surrogate..	DECACHLOROBIPHENYL	qc		2.7 *	ug/puf		1360	0.2	50 to 150			2051-24-3
Surrogate..	TETRACHLORO-M-XYLENE	qc		0.17	ug/puf		84	0.2	27 to 132			877-09-8

SGS

Laboratory Analysis Report

BERKSHIRE ENVIRONMENTAL CONSULTANTS

GEAM

SGS Laboratory Delivery Group Number: TA5-F0-P206 Page 1

DATE: 06/14/05

COC: 014859

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in an attached case narrative. Release of the data contained in the hard copy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

A case narrative is not required.

Reference	Sample Description	Sampled	Laboratory Number
BLK-060805-100	GRAB	06/08/2005	TA5-F0-P206-001
AMN-060805-010	GRAB	06/08/2005	TA5-F0-P206-002
AMS-060805-008	GRAB	06/08/2005	TA5-F0-P206-003
AMSC-060805-201	GRAB	06/08/2005	TA5-F0-P206-004
AMW-060805-011	GRAB	06/08/2005	TA5-F0-P206-005
BMI-060805-001	GRAB	06/08/2005	TA5-F0-P206-006

Submitted by,

Barbara Hensley

Barbara Hensley
Project Manager

This report includes a total of 3 pages.

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 5F0P206 **Chain of Custody Number: 014859** **Received by SGS 06/10/05 09:00**
ATTN: Maura Hawkins **BERKSHIRE ENVIRONMENTAL CONSULTANTS** **PITTSFIELD MA**

Reference: BLK-060805-100 Description: GRAB GEAM Matrix: AIR Sampled: 06/08/05 07:30
SGS Lab Number: TA5F0P206001 Percent Solids: N/A Sample Type: FB

Prep Code: T0-4A — Prepared: 06/10/05 15:00 — Preparation Batch: 114605 — Analyst: bcl — Report Basis: N/A
Run#: 001 Method Code: T0-4A — Analyzed: 06/13/05 11:20 — Analytical Batch: 114653 — Dilution Factor: 1.00 — Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	AROCLOR-1016	ND	0.10	U	ug/puf	0.10						12674-11-2
Analyte....	AROCLOR-1221	ND	0.10	U	ug/puf	0.10						11104-28-2
Analyte....	AROCLOR-1232	ND	0.10	U	ug/puf	0.10						11141-16-5
Analyte....	AROCLOR-1242	ND	0.10	U	ug/puf	0.10						53469-21-9
Analyte....	AROCLOR-1248	ND	0.10	U	ug/puf	0.10						12672-29-6
Analyte....	AROCLOR-1254	ND	0.10	U	ug/puf	0.10						11097-69-1
Analyte....	AROCLOR-1260	ND	0.10	U	ug/puf	0.10						11096-82-5
Surrogate..	DECACHLOROBIPHENYL	qc	0.85	*	ug/puf		426	0.2	50 to 150			2051-24-3
Surrogate..	TETRACHLORO-M-XYLENE	qc	0.080		ug/puf		40	0.2	27 to 132			877-09-8

Reference: AMN-060805-010 Description: GRAB GEAM Matrix: AIR Sampled: 06/08/05 07:42
SGS Lab Number: TA5F0P206002 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A — Prepared: 06/10/05 15:00 — Preparation Batch: 114605 — Analyst: bcl — Report Basis: N/A
Run#: 001 Method Code: T0-4A — Analyzed: 06/13/05 11:37 — Analytical Batch: 114653 — Dilution Factor: 1.00 — Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	AROCLOR-1016	ND	0.10	U	ug/puf	0.10						12674-11-2
Analyte....	AROCLOR-1221	ND	0.10	U	ug/puf	0.10						11104-28-2
Analyte....	AROCLOR-1232	ND	0.10	U	ug/puf	0.10						11141-16-5
Analyte....	AROCLOR-1242	ND	0.10	U	ug/puf	0.10						53469-21-9
Analyte....	AROCLOR-1248	ND	0.10	U	ug/puf	0.10						12672-29-6
Analyte....	AROCLOR-1254	<Hit>	0.25		ug/puf	0.10						11097-69-1
Analyte....	AROCLOR-1260	ND	0.10	U	ug/puf	0.10						11096-82-5
Surrogate..	DECACHLOROBIPHENYL	qc	2.4	*	ug/puf		1180	0.2	50 to 150			2051-24-3
Surrogate..	TETRACHLORO-M-XYLENE	qc	0.13		ug/puf		64	0.2	27 to 132			877-09-8

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 5F0P206 **Chain of Custody Number: 014859** **Received by SGS 06/10/05 09:00**
ATTN: Maura Hawkins **BERKSHIRE ENVIRONMENTAL CONSULTANTS** **PITTSFIELD MA**

Reference: AMS-060805-008 Description: GRAB GEAM Matrix: AIR Sampled: 06/08/05 07:56
SGS Lab Number: TA5F0P206003 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A — Prepared: 06/10/05 15:00 — Preparation Batch: 114605 — Analyst: bcl — Report Basis: N/A
Run#: 001 Method Code: T0-4A — Analyzed: 06/13/05 11:54 — Analytical Batch: 114653 — Dilution Factor: 1.00 — Analytical Run Type: 00

Type	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte	AROCLOR-1016	ND	0.10 U		ug/puf	0.10						12674-11-2
Analyte	AROCLOR-1221	ND	0.10 U		ug/puf	0.10						11104-28-2
Analyte	AROCLOR-1232	ND	0.10 U		ug/puf	0.10						11141-16-5
Analyte	AROCLOR-1242	ND	0.10 U		ug/puf	0.10						53469-21-9
Analyte	AROCLOR-1248	ND	0.10 U		ug/puf	0.10						12672-29-6
Analyte	AROCLOR-1254	<Hit>	0.19		ug/puf	0.10						11097-69-1
Analyte	AROCLOR-1260	ND	0.10 U		ug/puf	0.10						11096-82-5
Surrogate	DECACHLOROBIPHENYL	qc	2.8 *		ug/puf		1380	0.2	50 to 150			2051-24-3
Surrogate	TETRACHLORO-M-XYLENE	qc	0.16		ug/puf		78	0.2	27 to 132			877-09-8

Reference: AMSC-060805-201 Description: GRAB GEAM Matrix: AIR Sampled: 06/08/05 07:49
SGS Lab Number: TA5F0P206004 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A — Prepared: 06/10/05 15:00 — Preparation Batch: 114605 — Analyst: bcl — Report Basis: N/A
Run#: 001 Method Code: T0-4A — Analyzed: 06/13/05 12:11 — Analytical Batch: 114653 — Dilution Factor: 1.00 — Analytical Run Type: 00

Type	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte	AROCLOR-1016	ND	0.10 U		ug/puf	0.10						12674-11-2
Analyte	AROCLOR-1221	ND	0.10 U		ug/puf	0.10						11104-28-2
Analyte	AROCLOR-1232	ND	0.10 U		ug/puf	0.10						11141-16-5
Analyte	AROCLOR-1242	ND	0.10 U		ug/puf	0.10						53469-21-9
Analyte	AROCLOR-1248	ND	0.10 U		ug/puf	0.10						12672-29-6
Analyte	AROCLOR-1254	<Hit>	0.34		ug/puf	0.10						11097-69-1
Analyte	AROCLOR-1260	ND	0.10 U		ug/puf	0.10						11096-82-5
Surrogate	DECACHLOROBIPHENYL	qc	2.9 *		ug/puf		1430	0.2	50 to 150			2051-24-3
Surrogate	TETRACHLORO-M-XYLENE	qc	0.14		ug/puf		72	0.2	27 to 132			877-09-8

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 5F0P206 **Chain of Custody Number: 014859** **Received by SGS 06/10/05 09:00**
ATTN: Maura Hawkins **BERKSHIRE ENVIRONMENTAL CONSULTANTS** **PITTSFIELD MA**

Reference: AMW-060805-011 Description: GRAB GEAM Matrix: AIR Sampled: 06/08/05 08:05
SGS Lab Number: TA5F0P206005 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A Prepared: 06/10/05 15:00 Preparation Batch: 114605 Analyst: bcl Report Basis: N/A
Run#: 001 Method Code: T0-4A Analyzed: 06/13/05 12:28 Analytical Batch: 114653 Dilution Factor: 1.00 Analytical Run Type: 00

Type	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte	AROCLOR-1016		ND	0.10 U	ug/puf	0.10						12674-11-2
Analyte	AROCLOR-1221		ND	0.10 U	ug/puf	0.10						11104-28-2
Analyte	AROCLOR-1232		ND	0.10 U	ug/puf	0.10						11141-16-5
Analyte	AROCLOR-1242		ND	0.10 U	ug/puf	0.10						53469-21-9
Analyte	AROCLOR-1248		ND	0.10 U	ug/puf	0.10						12672-29-6
Analyte	AROCLOR-1254		<Hit>	0.18	ug/puf	0.10						11097-69-1
Analyte	AROCLOR-1260		ND	0.10 U	ug/puf	0.10						11096-82-5
Surrogate	DECACHLOROBIPHENYL	qc		2.7 *	ug/puf		1340	0.2	50 to 150			2051-24-3
Surrogate	TETRACHLORO-M-XYLENE	qc		0.14	ug/puf		70	0.2	27 to 132			877-09-8

Reference: BMI-060805-001 Description: GRAB GEAM Matrix: AIR Sampled: 06/08/05 08:14
SGS Lab Number: TA5F0P206006 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A Prepared: 06/10/05 15:00 Preparation Batch: 114605 Analyst: bcl Report Basis: N/A
Run#: 001 Method Code: T0-4A Analyzed: 06/13/05 12:45 Analytical Batch: 114653 Dilution Factor: 1.00 Analytical Run Type: 00

Type	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte	AROCLOR-1016		ND	0.10 U	ug/puf	0.10						12674-11-2
Analyte	AROCLOR-1221		ND	0.10 U	ug/puf	0.10						11104-28-2
Analyte	AROCLOR-1232		ND	0.10 U	ug/puf	0.10						11141-16-5
Analyte	AROCLOR-1242		ND	0.10 U	ug/puf	0.10						53469-21-9
Analyte	AROCLOR-1248		ND	0.10 U	ug/puf	0.10						12672-29-6
Analyte	AROCLOR-1254		<Hit>	0.66	ug/puf	0.10						11097-69-1
Analyte	AROCLOR-1260		ND	0.10 U	ug/puf	0.10						11096-82-5
Surrogate	DECACHLOROBIPHENYL	qc		2.8 *	ug/puf		1420	0.2	50 to 150			2051-24-3
Surrogate	TETRACHLORO-M-XYLENE	qc		0.16	ug/puf		79	0.2	27 to 132			877-09-8

SGS

Laboratory Analysis Report

BERKSHIRE ENVIRONMENTAL CONSULTANTS

GEAM

SGS Laboratory Delivery Group Number: TA5-F0-P368 Page 1

DATE: 06/21/05 COC: 014863

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in an attached case narrative. Release of the data contained in the hard copy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

A case narrative is not required.

Reference	Sample Description	Sampled	Laboratory Number
BLK-061705-100	GRAB	06/17/2005	TA5-F0-P368-001
AM-N-061705-010	GRAB	06/17/2005	TA5-F0-P368-002
AM-S-061705-008	GRAB	06/17/2005	TA5-F0-P368-003
AM-SC-061705-201	GRAB	06/17/2005	TA5-F0-P368-004
AM-E-061705-011	GRAB	06/17/2005	TA5-F0-P368-005
AM-B-061705-005	GRAB	06/17/2005	TA5-F0-P368-006

Submitted by,

Barbara Hensley

Barbara Hensley
Project Manager

This report includes a total of 3 pages.

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 5F0P368 **Chain of Custody Number: 014863** **Received by SGS 06/18/05 09:15**
ATTN: Maura Hawkins **BERKSHIRE ENVIRONMENTAL CONSULTANTS** **PITTSFIELD MA**

Reference: BLK-061705-100 Description: GRAB GEAM Matrix: AIR Sampled: 06/17/05 07:30
SGS Lab Number: TA5F0P368001 Percent Solids: N/A Sample Type: FB

Prep Code: T0-4A | Prepared: 06/20/05 13:00 | Preparation Batch: 114978 | Analyst: bcl | Report Basis: N/A
Run#: 001 Method Code: T0-4A | Analyzed: 06/20/05 21:28 | Analytical Batch: 114993 | Dilution Factor: 1.00 | Analytical Run Type: 00

Type	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte	AROCLOR-1016	ND	0.10	U	ug/puf	0.10						12674-11-2
Analyte	AROCLOR-1221	ND	0.10	U	ug/puf	0.10						11104-28-2
Analyte	AROCLOR-1232	ND	0.10	U	ug/puf	0.10						11141-16-5
Analyte	AROCLOR-1242	ND	0.10	U	ug/puf	0.10						53469-21-9
Analyte	AROCLOR-1248	ND	0.10	U	ug/puf	0.10						12672-29-6
Analyte	AROCLOR-1254	ND	0.10	U	ug/puf	0.10						11097-69-1
Analyte	AROCLOR-1260	ND	0.10	U	ug/puf	0.10						11096-82-5
Surrogate	DECACHLOROBIPHENYL	qc	2.5	*	ug/puf		1240	0.2	50 to 150			2051-24-3
Surrogate	TETRACHLORO-M-XYLENE	qc	0.13		ug/puf		64	0.2	27 to 132			877-09-8

Reference: AM-N-061705-010 Description: GRAB GEAM Matrix: AIR Sampled: 06/17/05 07:30
SGS Lab Number: TA5F0P368002 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A | Prepared: 06/20/05 13:00 | Preparation Batch: 114978 | Analyst: bcl | Report Basis: N/A
Run#: 001 Method Code: T0-4A | Analyzed: 06/20/05 21:45 | Analytical Batch: 114993 | Dilution Factor: 1.00 | Analytical Run Type: 00

Type	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte	AROCLOR-1016	ND	0.10	U	ug/puf	0.10						12674-11-2
Analyte	AROCLOR-1221	ND	0.10	U	ug/puf	0.10						11104-28-2
Analyte	AROCLOR-1232	ND	0.10	U	ug/puf	0.10						11141-16-5
Analyte	AROCLOR-1242	ND	0.10	U	ug/puf	0.10						53469-21-9
Analyte	AROCLOR-1248	ND	0.10	U	ug/puf	0.10						12672-29-6
Analyte	AROCLOR-1254	<Hit>	0.10		ug/puf	0.10						11097-69-1
Analyte	AROCLOR-1260	ND	0.10	U	ug/puf	0.10						11096-82-5
Surrogate	DECACHLOROBIPHENYL	qc	2.6	*	ug/puf		1280	0.2	50 to 150			2051-24-3
Surrogate	TETRACHLORO-M-XYLENE	qc	0.15		ug/puf		76	0.2	27 to 132			877-09-8

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 5F0P368 **Chain of Custody Number: 014863** **Received by SGS 06/18/05 09:15**
ATTN: Maura Hawkins **BERKSHIRE ENVIRONMENTAL CONSULTANTS** **PITTSFIELD MA**

Reference: AM-S-061705-008 Description: GRAB GEAM Matrix: AIR Sampled: 06/17/05 07:30
SGS Lab Number: TA5F0P368003 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A Prepared: 06/20/05 13:00 Preparation Batch: 114978 Analyst: bcl Report Basis: N/A
Run#: 001 Method Code: T0-4A Analyzed: 06/20/05 22:02 Analytical Batch: 114993 Dilution Factor: 1.00 Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	AROCLOR-1016	ND	0.10	U	ug/puf	0.10						12674-11-2
Analyte....	AROCLOR-1221	ND	0.10	U	ug/puf	0.10						11104-28-2
Analyte....	AROCLOR-1232	ND	0.10	U	ug/puf	0.10						11141-16-5
Analyte....	AROCLOR-1242	ND	0.10	U	ug/puf	0.10						53469-21-9
Analyte....	AROCLOR-1248	ND	0.10	U	ug/puf	0.10						12672-29-6
Analyte....	AROCLOR-1254	<Hit>	0.10	J	ug/puf	0.10						11097-69-1
Analyte....	AROCLOR-1260	ND	0.10	U	ug/puf	0.10						11096-82-5
Surrogate..	DECACHLOROBIPHENYL	qc	2.4	*	ug/puf		1180	0.2	50 to 150			2051-24-3
Surrogate..	TETRACHLORO-M-XYLENE	qc	0.13		ug/puf		65	0.2	27 to 132			877-09-8

Reference: AM-SC-061705-201 Description: GRAB GEAM Matrix: AIR Sampled: 06/17/05 07:30
SGS Lab Number: TA5F0P368004 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A Prepared: 06/20/05 13:00 Preparation Batch: 114978 Analyst: bcl Report Basis: N/A
Run#: 001 Method Code: T0-4A Analyzed: 06/20/05 22:18 Analytical Batch: 114993 Dilution Factor: 1.00 Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	AROCLOR-1016	ND	0.10	U	ug/puf	0.10						12674-11-2
Analyte....	AROCLOR-1221	ND	0.10	U	ug/puf	0.10						11104-28-2
Analyte....	AROCLOR-1232	ND	0.10	U	ug/puf	0.10						11141-16-5
Analyte....	AROCLOR-1242	ND	0.10	U	ug/puf	0.10						53469-21-9
Analyte....	AROCLOR-1248	ND	0.10	U	ug/puf	0.10						12672-29-6
Analyte....	AROCLOR-1254	<Hit>	0.13		ug/puf	0.10						11097-69-1
Analyte....	AROCLOR-1260	ND	0.10	U	ug/puf	0.10						11096-82-5
Surrogate..	DECACHLOROBIPHENYL	qc	2.7	*	ug/puf		1340	0.2	50 to 150			2051-24-3
Surrogate..	TETRACHLORO-M-XYLENE	qc	0.15		ug/puf		76	0.2	27 to 132			877-09-8

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 5F0P368 **Chain of Custody Number: 014863** **Received by SGS 06/18/05 09:15**
ATTN: Maura Hawkins **BERKSHIRE ENVIRONMENTAL CONSULTANTS** **PITTSFIELD MA**

Reference: AM-E-061705-011 Description: GRAB GEAM Matrix: AIR Sampled: 06/17/05 08:10
SGS Lab Number: TA5F0P368005 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A Prepared: 06/20/05 13:00 Preparation Batch: 114978 Analyst: bcl Report Basis: N/A
Run#: 001 Method Code: T0-4A Analyzed: 06/20/05 22:35 Analytical Batch: 114993 Dilution Factor: 1.00 Analytical Run Type: 00

Type	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte	AROCLOR-1016		ND	0.10 U	ug/puf	0.10						12674-11-2
Analyte	AROCLOR-1221		ND	0.10 U	ug/puf	0.10						11104-28-2
Analyte	AROCLOR-1232		ND	0.10 U	ug/puf	0.10						11141-16-5
Analyte	AROCLOR-1242		ND	0.10 U	ug/puf	0.10						53469-21-9
Analyte	AROCLOR-1248		ND	0.10 U	ug/puf	0.10						12672-29-6
Analyte	AROCLOR-1254		<Hit>	0.12	ug/puf	0.10						11097-69-1
Analyte	AROCLOR-1260		ND	0.10 U	ug/puf	0.10						11096-82-5
Surrogate	DECACHLOROBIPHENYL	qc		0.82 *	ug/puf		408	0.2	50 to 150			2051-24-3
Surrogate	TETRACHLORO-M-XYLENE	qc		0.11	ug/puf		54	0.2	27 to 132			877-09-8

Reference: AM-B-061705-005 Description: GRAB GEAM Matrix: AIR Sampled: 06/17/05 07:30
SGS Lab Number: TA5F0P368006 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A Prepared: 06/20/05 13:00 Preparation Batch: 114978 Analyst: bcl Report Basis: N/A
Run#: 001 Method Code: T0-4A Analyzed: 06/20/05 22:51 Analytical Batch: 114993 Dilution Factor: 1.00 Analytical Run Type: 00

Type	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte	AROCLOR-1016		ND	0.10 U	ug/puf	0.10						12674-11-2
Analyte	AROCLOR-1221		ND	0.10 U	ug/puf	0.10						11104-28-2
Analyte	AROCLOR-1232		ND	0.10 U	ug/puf	0.10						11141-16-5
Analyte	AROCLOR-1242		ND	0.10 U	ug/puf	0.10						53469-21-9
Analyte	AROCLOR-1248		ND	0.10 U	ug/puf	0.10						12672-29-6
Analyte	AROCLOR-1254		<Hit>	0.10	ug/puf	0.10						11097-69-1
Analyte	AROCLOR-1260		ND	0.10 U	ug/puf	0.10						11096-82-5
Surrogate	DECACHLOROBIPHENYL	qc		2.8 *	ug/puf		1390	0.2	50 to 150			2051-24-3
Surrogate	TETRACHLORO-M-XYLENE	qc		0.20	ug/puf		99	0.2	27 to 132			877-09-8

SGS

Laboratory Analysis Report

BERKSHIRE ENVIRONMENTAL CONSULTANTS
REVISED REPORT GEAM
SGS Laboratory Delivery Group Number: TA5-G0-P304 Page 1

DATE: 07/28/05 COC: 019337

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in an attached case narrative. Release of the data contained in the hard copy data package has been authorized by the Laboratory Manager or designee, as verified by the following signature.

Please see the attached case narrative.

Reference	Sample Description	Sampled	Laboratory Number
BLK-071505-100	GRAB	07/15/2005	TA5-G0-P304-001
AM-N-071505-008	GRAB	07/15/2005	TA5-G0-P304-002
AM-S-071505-011	GRAB	07/15/2005	TA5-G0-P304-003
AM-SC-071505-002	GRAB	07/15/2005	TA5-G0-P304-004
AM-E-071505-200	GRAB	07/15/2005	TA5-G0-P304-005
AM-B-071505-005	GRAB	07/15/2005	TA5-G0-P304-006

Submitted by,

Barbara Hensley

Barbara Hensley
Project Manager

This report includes a total of 3 pages.

SGS

CASE NARRATIVE

Berkshire Env. Cons. Inc.

GEAM

COC# 019337

SGS Laboratory Number: TA5-G0-P304

DATE: 07/22/05

The PUF sample ID's AM-SC-071505-002, AM-E-071505-200 and AM-B-071505-005 were received on July 16, 2005, extracted on July 18, 2005 and analyzed on July 19, 2005. Due to an analyst mistake the extract was condensed down to 5.0 ml instead of the normal 2.0 ml causing the PQL to be elevated from 0.1 ug/puf to 0.2 ug/puf. The acid clean-up was performed and the sample was analyzed before the analyst realized that the sample had not been condensed down to the 2 ml.
On July 26, 2005 the extracts from the above samples were condensed down to a volume of 2.0 ml and re-analyzed. Attached please find the revised reports with a PQL of 0.1 ug/puf.

Please do not hesitate calling me should you have any further questions or comments.

Sincerely,

Jeannie M. Latterner
QA/QC Manager
SGS Environmental Services

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 5G0P304 **Chain of Custody Number: 019337** **Received by SGS 07/16/05 09:35**
ATTN: Maura Hawkins **BERKSHIRE ENVIRONMENTAL CONSULTANTS PITTSFIELD MA**

Reference: BLK-071505-100 Description: GRAB GEAM Matrix: AIR Sampled: 07/15/05 07:30
SGS Lab Number: TA5G0P304001 Percent Solids: N/A Sample Type: FB

Prep Code: T0-4A Prepared: 07/18/05 10:00 Preparation Batch: 116232 Analyst: rss Report Basis: N/A
Run#: 001 Method Code: T0-4A Analyzed: 07/19/05 17:11 Analytical Batch: 116245 Dilution Factor: 1.00 Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	AROCLOR-1016	ND	0.10	U	ug/puf	0.10						12674-11-2
Analyte....	AROCLOR-1221	ND	0.10	U	ug/puf	0.10						11104-28-2
Analyte....	AROCLOR-1232	ND	0.10	U	ug/puf	0.10						11141-16-5
Analyte....	AROCLOR-1242	ND	0.10	U	ug/puf	0.10						53469-21-9
Analyte....	AROCLOR-1248	ND	0.10	U	ug/puf	0.10						12672-29-6
Analyte....	AROCLOR-1254	ND	0.10	U	ug/puf	0.10						11097-69-1
Analyte....	AROCLOR-1260	ND	0.10	U	ug/puf	0.10						11096-82-5
Surrogate..	DECACHLOROBIPHENYL	qc	1.8	*	ug/puf		880	0.2	50 to 150			2051-24-3
Surrogate..	TETRACHLORO-M-XYLENE	qc	0.18		ug/puf		90	0.2	27 to 132			877-09-8

Reference: AM-N-071505-008 Description: GRAB GEAM Matrix: AIR Sampled: 07/15/05 07:30
SGS Lab Number: TA5G0P304002 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A Prepared: 07/18/05 10:00 Preparation Batch: 116232 Analyst: rss Report Basis: N/A
Run#: 001 Method Code: T0-4A Analyzed: 07/19/05 17:27 Analytical Batch: 116245 Dilution Factor: 1.00 Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	AROCLOR-1016	ND	0.10	U	ug/puf	0.10						12674-11-2
Analyte....	AROCLOR-1221	ND	0.10	U	ug/puf	0.10						11104-28-2
Analyte....	AROCLOR-1232	ND	0.10	U	ug/puf	0.10						11141-16-5
Analyte....	AROCLOR-1242	ND	0.10	U	ug/puf	0.10						53469-21-9
Analyte....	AROCLOR-1248	ND	0.10	U	ug/puf	0.10						12672-29-6
Analyte....	AROCLOR-1254	ND	0.10	U	ug/puf	0.10						11097-69-1
Analyte....	AROCLOR-1260	ND	0.10	U	ug/puf	0.10						11096-82-5
Surrogate..	DECACHLOROBIPHENYL	qc	1.1	*	ug/puf		565	0.2	50 to 150			2051-24-3
Surrogate..	TETRACHLORO-M-XYLENE	qc	0.17		ug/puf		86	0.2	27 to 132			877-09-8

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 5G0P304 **Chain of Custody Number: 019337** **Received by SGS 07/16/05 09:35**
ATTN: Maura Hawkins **BERKSHIRE ENVIRONMENTAL CONSULTANTS PITTSFIELD MA**

Reference: AM-S-071505-011 Description: GRAB GEAM Matrix: AIR Sampled: 07/15/05 07:30
SGS Lab Number: TA5G0P304003 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A Prepared: 07/18/05 10:00 Preparation Batch: 116232 Analyst: rss Report Basis: N/A
Run#: 001 Method Code: T0-4A Analyzed: 07/19/05 17:44 Analytical Batch: 116245 Dilution Factor: 1.00 Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	AROCLOR-1016		ND	0.10 U	ug/puf	0.10						12674-11-2
Analyte....	AROCLOR-1221		ND	0.10 U	ug/puf	0.10						11104-28-2
Analyte....	AROCLOR-1232		ND	0.10 U	ug/puf	0.10						11141-16-5
Analyte....	AROCLOR-1242		ND	0.10 U	ug/puf	0.10						53469-21-9
Analyte....	AROCLOR-1248		ND	0.10 U	ug/puf	0.10						12672-29-6
Analyte....	AROCLOR-1254		ND	0.10 U	ug/puf	0.10						11097-69-1
Analyte....	AROCLOR-1260		ND	0.10 U	ug/puf	0.10						11096-82-5
Surrogate..	DECACHLOROBIPHENYL	qc	1.7	*	ug/puf		840	0.2	50 to 150			2051-24-3
Surrogate..	TETRACHLORO-M-XYLENE	qc	0.20		ug/puf		101	0.2	27 to 132			877-09-8

Reference: AM-SC-071505-002 Description: GRAB GEAM Matrix: AIR Sampled: 07/15/05 07:30
SGS Lab Number: TA5G0P304004 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A Prepared: 07/18/05 10:00 Preparation Batch: 116232 Analyst: bcl Report Basis: N/A
Run#: 002 Method Code: T0-4A Analyzed: 07/26/05 22:34 Analytical Batch: 116496 Dilution Factor: 1.00 Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	AROCLOR-1016		ND	0.10 U	ug/puf	0.10						12674-11-2
Analyte....	AROCLOR-1221		ND	0.10 U	ug/puf	0.10						11104-28-2
Analyte....	AROCLOR-1232		ND	0.10 U	ug/puf	0.10						11141-16-5
Analyte....	AROCLOR-1242		ND	0.10 U	ug/puf	0.10						53469-21-9
Analyte....	AROCLOR-1248		ND	0.10 U	ug/puf	0.10						12672-29-6
Analyte....	AROCLOR-1254		ND	0.10 U	ug/puf	0.10						11097-69-1
Analyte....	AROCLOR-1260		ND	0.10 U	ug/puf	0.10						11096-82-5
Surrogate..	DECACHLOROBIPHENYL	qc	1.3	*	ug/puf		642	0.2	50 to 150			2051-24-3
Surrogate..	TETRACHLORO-M-XYLENE	qc	0.14		ug/puf		68	0.2	27 to 132			877-09-8

SGS - Environmental Services
1258 Greenbrier Street Charleston WV 25311

Sample Delivery Group: 5G0P304 Chain of Custody Number: 019337 Received by SGS 07/16/05 09:35
ATTN: Maura Hawkins BERKSHIRE ENVIRONMENTAL CONSULTANTS PITTSFIELD MA

Reference: AM-E-071505-200 Description: GRAB GEAM Matrix: AIR Sampled: 07/15/05 07:30
SGS Lab Number: TA5G0P304005 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A Prepared: 07/18/05 10:00 Preparation Batch: 116232 Analyst: bcl Report Basis: N/A
Run#: 002 Method Code: T0-4A Analyzed: 07/26/05 22:51 Analytical Batch: 116496 Dilution Factor: 1.00 Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	AROCLOR-1016	ND	0.10	U	ug/puf	0.10						12674-11-2
Analyte....	AROCLOR-1221	ND	0.10	U	ug/puf	0.10						11104-28-2
Analyte....	AROCLOR-1232	ND	0.10	U	ug/puf	0.10						11141-16-5
Analyte....	AROCLOR-1242	ND	0.10	U	ug/puf	0.10						53469-21-9
Analyte....	AROCLOR-1248	ND	0.10	U	ug/puf	0.10						12672-29-6
Analyte....	AROCLOR-1254	ND	0.10	U	ug/puf	0.10						11097-69-1
Analyte....	AROCLOR-1260	ND	0.10	U	ug/puf	0.10						11096-82-5
Surrogate..	DECACHLOROBIPHENYL	qc	0.43	*	ug/puf		216	0.2	50 to 150			2051-24-3
Surrogate..	TETRACHLORO-M-XYLENE	qc	0.14		ug/puf		70	0.2	27 to 132			877-09-8

Reference: AM-B-071505-005 Description: GRAB GEAM Matrix: AIR Sampled: 07/15/05 07:41
SGS Lab Number: TA5G0P304006 Percent Solids: N/A Sample Type: F

Prep Code: T0-4A Prepared: 07/18/05 10:00 Preparation Batch: 116232 Analyst: bcl Report Basis: N/A
Run#: 002 Method Code: T0-4A Analyzed: 07/26/05 23:08 Analytical Batch: 116496 Dilution Factor: 1.00 Analytical Run Type: 00

Type.....	Parameter Name	QF	Result	RF	Units	PQL	%REC	Spk Amt	Spk Limits	RPD	PDHi	CAS Number
Analyte....	AROCLOR-1016	ND	0.10	U	ug/puf	0.10						12674-11-2
Analyte....	AROCLOR-1221	ND	0.10	U	ug/puf	0.10						11104-28-2
Analyte....	AROCLOR-1232	ND	0.10	U	ug/puf	0.10						11141-16-5
Analyte....	AROCLOR-1242	ND	0.10	U	ug/puf	0.10						53469-21-9
Analyte....	AROCLOR-1248	ND	0.10	U	ug/puf	0.10						12672-29-6
Analyte....	AROCLOR-1254	ND	0.10	U	ug/puf	0.10						11097-69-1
Analyte....	AROCLOR-1260	ND	0.10	U	ug/puf	0.10						11096-82-5
Surrogate..	DECACHLOROBIPHENYL	qc	1.2	*	ug/puf		613	0.2	50 to 150			2051-24-3
Surrogate..	TETRACHLORO-M-XYLENE	qc	0.11		ug/puf		55	0.2	27 to 132			877-09-8

APPENDIX VI

GPS-1 OPERATOR'S MANUAL

GRASEBY GMW

INSTRUCTION AND OPERATION MANUAL

MODEL PS-1 PUF SAMPLER

Pesticide Particulate and Vapor Collection System

145 SOUTH MIAMI AVENUE
VILLAGE OF CLEVES, OHIO 45002

Toll-Free 800-543-7412
513-941-2229 in OH
Fax: 513-941-1977

OPERATING INSTRUCTIONS

MODEL PS-1

A. UNIT PREPARATION.

1. Remove the PS-1 Puf Sampler from the shipping carton.

2. Locate the shelter lid and install on the aluminum shelter as follows:
   a. Align the hinges of the lid to the rear of the shelter and fasten with four (4) 10-24 x 1/2" pan head screws.
   b. Secure the front catch,(see figure A), to the shelter front using two (2) 10-24 x 1/2" flat head screws.
   c. Secure the rear catch to the shelter back panel using one (1) 10-24 x 1/2" pan head screw.
   d. Secure the rear lid hasp to the shelter lid using two (2) 10-24 x 1/2" pan head screws. (note: These three catches may need readjustment to operate the shelter lid properly.)
   e. Adjust the front and rear catches to be sure that the lid slot lowers over the front catch when closing the lid and aligns with the rear catch when the lid is in the open position.
   f. The lid can now be secured in an open or closed position with the aluminum strip or a padlock.

3. Find one (1) sampling module in the packing container and install on the inlet port. The inlet port has a 1/2" threaded male fitting. Place the module over the male fitting and screw it on until snug.

4. Pull the exhaust hose from out of the shelter bottom and extend it away from the shelter on the ground.

5. Open the shelter door and timer.

6. Prepare the timer for the desired start and stop times.

B. Unit Calibration.

1. Calibration of the Puf Sampler is performed <u>without</u> a foam slug or filter paper in the sampling module. However the empty glass cartridge must remain in the module to insure a good seal through the module.

2. Install the GMW-40 Calibrator on top of the 4" filter holder.

3. Connect an 8" water manometer to the Calibrator.

4. Open the ball valve fully.

5. Turn the system on by tripping the manual switch on the timer. Allow a few minutes for warm-up.

6. Adjust the voltage control screw to obtain a reading of 70 inches on the dial gage, (Magnehelic Gage).

7. With 70 inches on the dial gage as your first calibration point, record it and the manometer reading on the data sheet.

8. Close the ball valve slightly to readjust the dial gage down to 60 inches. Record this figure and manometer reading on the data sheet.

9. Using the above procedure, adjust the ball valve for readings at 50, 40, and 30 inches and record on the data sheet.

10. Using these two sets of readings, plot a cuvre on the data sheet. This curve will be used for determining the actual flow rate in the field.

11. Readjust the voltage control fully clockwise to it's maximum setting. Open ball valve fully.

C. Unit Operation.

1. The Puf Sampler may be operated at ground level or on roof tops. In urban or congested areas, it is recommended that the sampler be placed on the roof of a single story building. The sampler should be located in an unobstructed area, at least two meters from any obstacle to air flow. The exhaust hose should be stretched out in a down wind direction if possible.

2. The sampler should be operated for 24 hours in order to obtain average daily levels of airborne pesticides.

3. On and off times and weather conditions during sampling periods should be recorded. Air concentrations may fluctuate with time of day, temperature, humidity, wind direction and velocity and other climatological conditions.

4. Air flow readings should be taken (dial gage) at the beginning and end of each sampling period. Differences between the beginning and ending flow rates should be averaged out to obtain an overall flow rate. (The Puf Sampler can be fitted with a gas meter which would give a direct reading of the total flow.)

5. Blower motor brushes should be inspected frequently and replaced before expending.

6. An electrical source of 110 volts, 15 amps is required.

D. Descriptions of Sampling Media (Sorbents)

1. Two types of sampling media are recommended for use with the Puf Sampler: polyurethane foams and granular solid sorbents. Foams may be used separately or in combination with granular solids. The sorbent may be extracted and reused (after drying) without unloading the cartridge.

2. Polyurethane Foam (PUF):
   a. Use polyether-type polyurethane foam (density No. 3014, 0.0225 grams/cm^3, or equivalent). This is the type of foam generally used for furniture upholstery, pillows, and mattresses.(General Metal Works' part number PS1-16 is recommended. It is a 3" PUF plug. Also available are two and one inch pieces.) This type of foam is white and yellows on exposure to light.

3. Granular Solids:
   a. Porous (macroreticular) chromatography sorbents recommended. Pore sizes and mesh sizes must be selected to permit air flow rates of at least 200 liters/minute. Approximately 25 cm^3 of sorbent is recommended. The granular solids may be sandwiched between two layers of foam to prevent loss during sampling and extraction.

E. Sampling Module.

1. Release the three (3) swing bolts on the 4" filter holder (FH-2104) and remove the hold down ring.

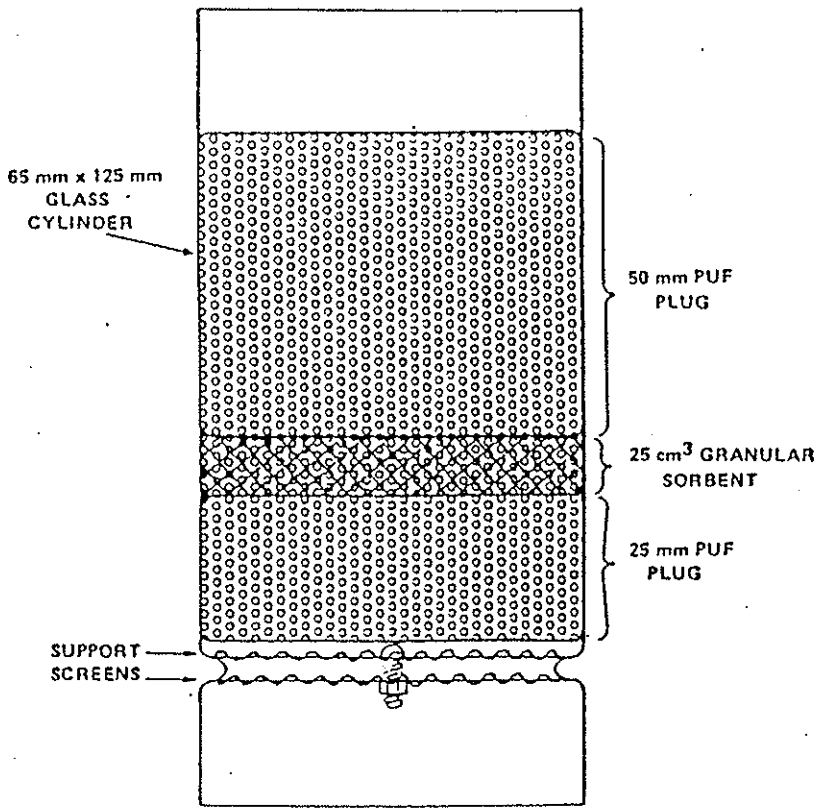
2. Install a clean 102mm dia. glass fiber filter (GMW-0232) on the support screen and secure it with the hold down ring and swing bolts.

3. Unscrew together the 4" filter holder and the sampling module cap leaving the module tube in place with the glass cartridge exposed.

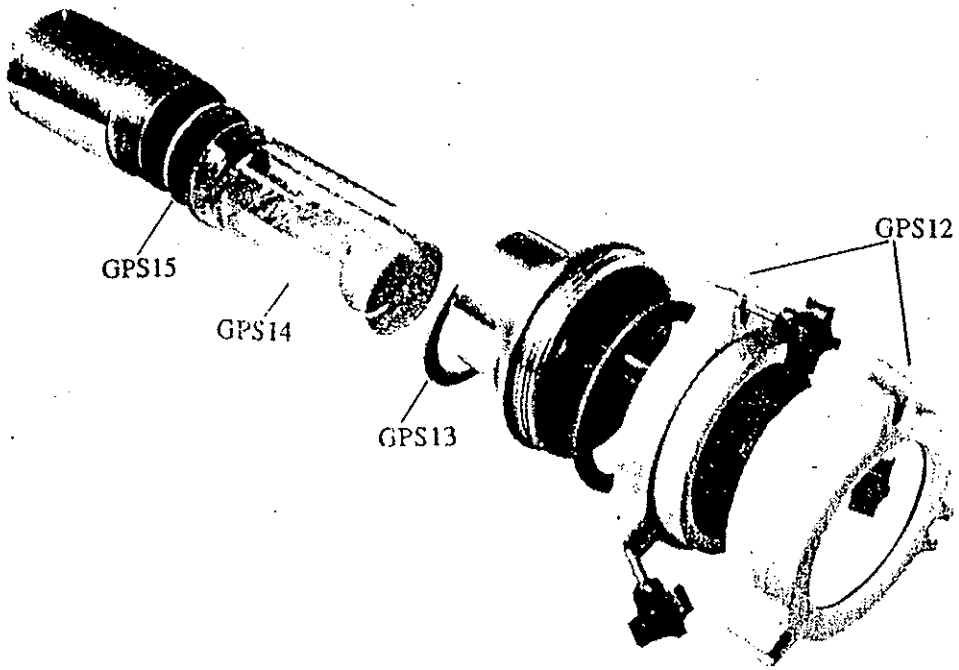
4. Load the glass cartridge with foam and or foam/granular solids and replace in the module tube. Fasten the glass cartridge with the module cap and 4" filter holder assembly while making sure that the module assembly, 4" filter holder and all fittings are snug and not over-tighten.

5. The glass cartridge and glass fiber filter should be removed from the sampler with forceps and clean gloved hands and immediately placed in a sealed container for transport to the laboratory. Similar care should be taken to prevent contamination of the filter paper and vapor trap (foam) when loading the sampler.

6. It is recommended to have two (2) sampling modules for each sampling system so that filter and foam exchange can take place in the laboratory.



DUAL SORBENT VAPOR TRAP



DUAL SAMPLING MODULE WITH 4" FILTER HOLDER

Model GPS1 Complete Sampling System .....
GPS11 ..... Dual Sampling module with GFH2104 4" filter holder, less glass cartridge .....
GPS12 ..... 4" round Filter Holder (GFH-2104) .....
GPS13 ..... Silicone Gasket (Top Module) .....
GPS14 ..... Glass Cartridge with support screens .....
GPS15 ..... Silicone Gasket (Bottom Module) .....
GPS16 ..... Voltage Variator/Elapsed Timer (G991) .....
GPS17 ..... Seven Day Skip Timer (G-70) .....
GPS18 ..... Magnehelic Gage 0-100" .....
GPS19 ..... Flow Venturi .....
GPS110..... Flow Valve .....
GPS111..... Blower Motor Assembly .....
GPS112..... Motor Cushion .....
GPS113..... Replacement Motor only .....
GPS114..... Replacement Motor Brushes (GB1) .....
GPS115..... Exhaust Hose, 10 ft. Length .....
GPS116..... PUF (polyurethane foam) plug3" .....
GPS117..... PUF (polyurethane foam) plug 2" .....
GPS118..... PUF (polyurethane foam) plug 1" .....
GPS119..... Aluminum Outdoor Shelter Complete .....
GPS120..... Male Adapter for bottom of module .....
GPS121..... Aluminum Quick Disconnect Coupler .....
G40..... Calibration Kit with NBS Curve .....
G40A ..... Calibration Orifice only with NBS Curve .....
GQMA4 ..... Micro-Quartz Filters (102mm Circles)100 pcs. .....
Recalibration of Calibrating Orifice G40A 5-Point Calibration .....

MOTOR BRUSH SEATING PROCEDURE

On reassembly and handling, the lead wires must be kept away from rotating parts and motor frame.

To achieve best performance, the new brushes should be seated on the commutator before full voltage is applied.

After brush change apply approximately 50% voltage for thirty minutes to accomplish this seating. The motor will return to full performance after thirty to forty-five minutes running at full voltage.

(Caution) – Direct application of full voltage after changing brush will cause arcing, commutator pitting, and reduce overall life.

Use of the Model GMW - 900 Voltage Variator provides the reduced voltage needed for brush seating.

If reduced voltage is unavailable, connect two motors of similar rating in series for thirty minutes to accomplish the brush seating.

WARNING – THE BRUSHES SHOULD BE CHANGED BEFORE THE BRUSH SHUNT TOUCHES THE COMMUTATOR.

CALIBRATION DATA SHEET

HIGH VOLUME AIR SAMPLER CALIBRATION

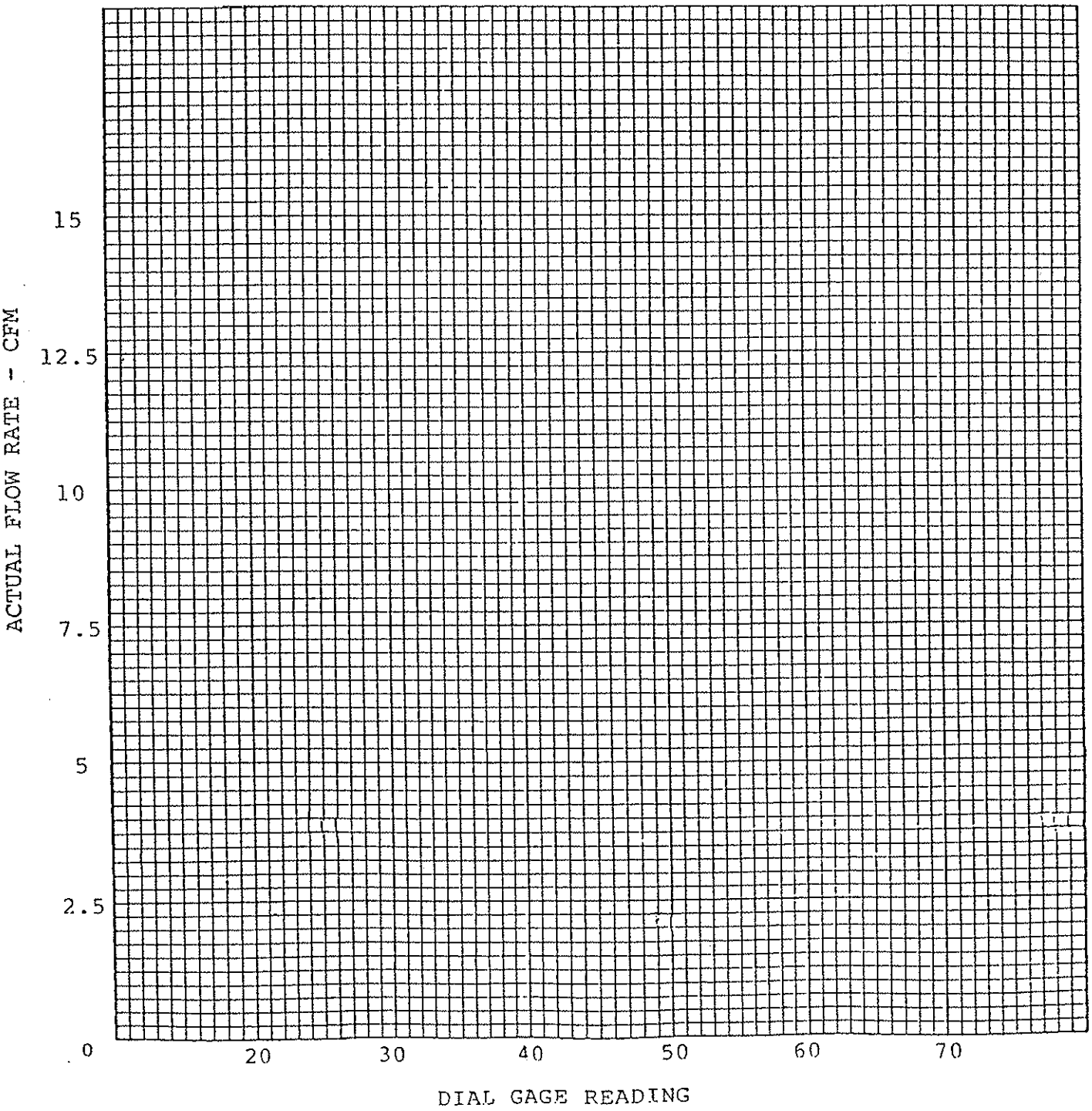
Unit No.: _____

Date: By:

Temp.: At. Press:

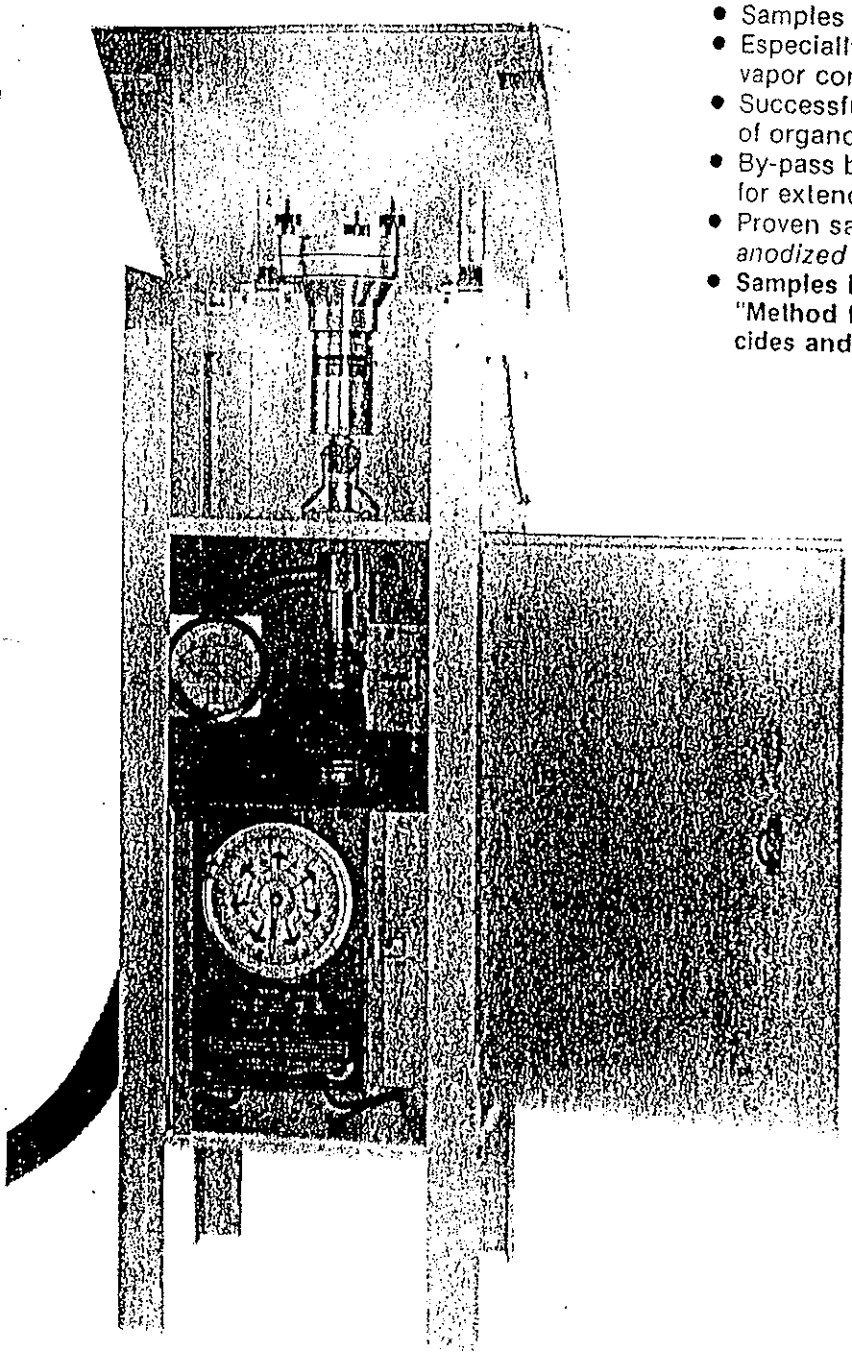
Remarks:

Indicated	True $"H_2O$	Actual cfm



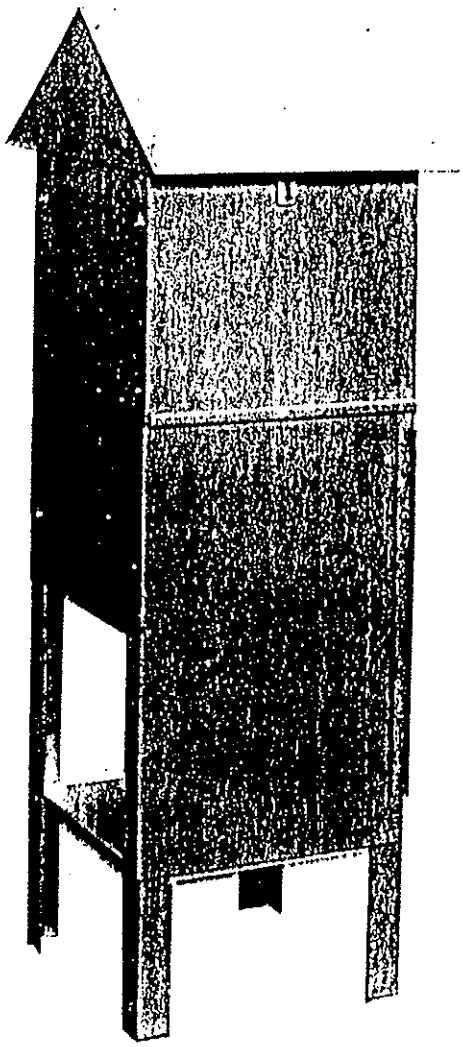
MODEL GPS1 PUF SAMPLER

Pesticide Particulate and Vapor Collection System

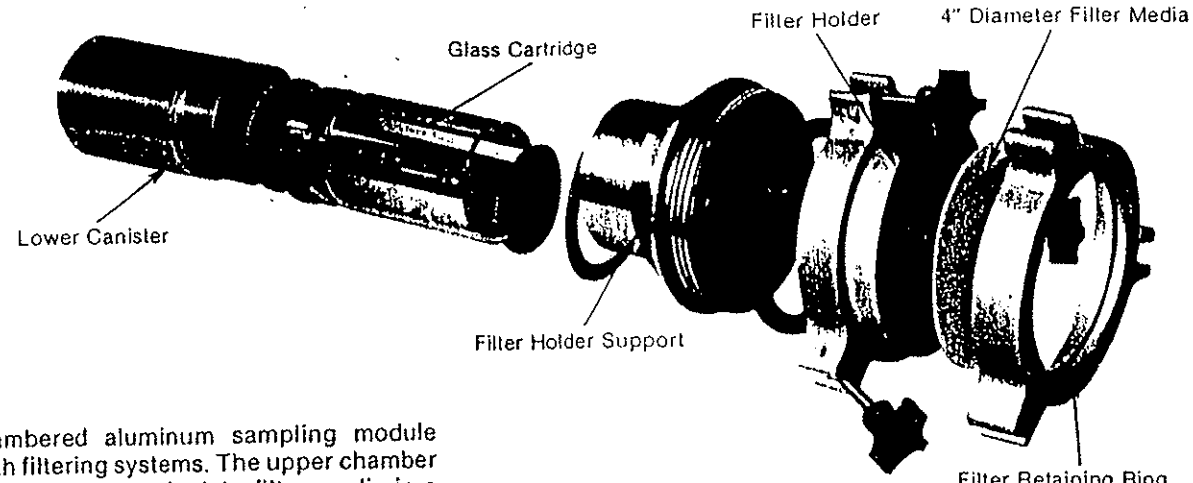


- Samples semivolatile organic compounds.
- Especially designed for sampling airborne particulates and vapor contamination from pesticide compounds.
- Successfully demonstrated to efficiently collect a number of organochlorine and organophosphate pesticides.
- By-pass blower motor design permits continuous sampling for extended periods at rates to 280 liters per minute.
- Proven sampler compounds housed in aluminum shelter *anodized* for outdoor service.
- **Samples in accordance with U.S. EPA Method TO4, "Method for the Determination of Organochlorine Pesticides and Polychlorinated Biphenyls in Ambient Air."**

General Metal Works' **PUF** (PolyUrethane Foam) Sampler is a complete air sampling system designed to simultaneously collect suspended airborne particulates as well as trap airborne pesticide vapors at flow rates up to 280 liters per minute. The Model GPS1 features the latest in technological advances for accurately measuring airborne particulates and vapors.



The GMW **PUF** Sampler is equipped with a by-pass blower motor arranged with an independent cooling fan. This feature permits the motor to operate at low sampling flow rates for periods of long duration without motor failure from overheating.



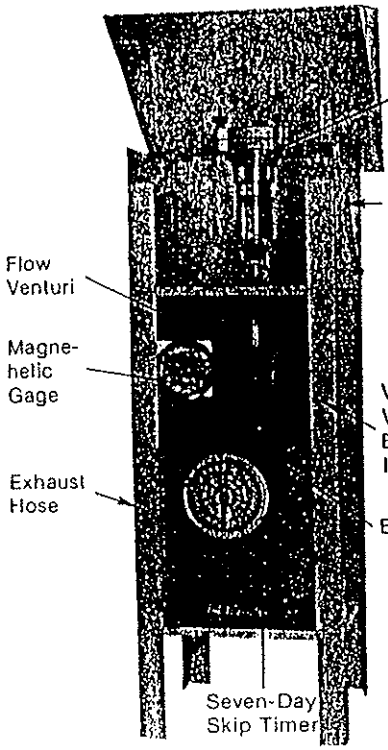
A dual chambered aluminum sampling module contains both filtering systems. The upper chamber supports the airborne particulate filter media in a circular filter holder. The lower chamber encapsulates a glass cartridge which contains the PolyUrethane Foam for vapor entrapment.

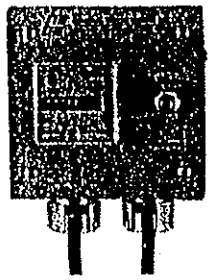
A wide variety of sorbents can be used in a manner that permits their continual use. Polyurethane foam or wet/dry granular solid media can be used individually or in combination.

The dual chambered sampling module is designed for easy access to both upper and lower media. Swing-away bolts simplify changing the 4" diameter particulate filter media. The threaded lower canister is removed with the cartridge intact for immediate exchange. Filter support screens and module components are equipped with gaskets providing a leak proof seal during the sampling process.

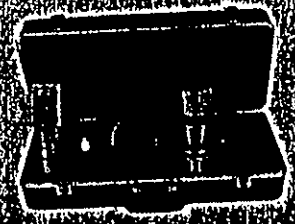
Air flow rates are infinitely variable up to 280 liters per minute. The voltage variator adjusting screw alters the blower motor speed to achieve the flow rate desired. The air flow rate is measured through the flow venturi utilizing a 0-100" Magnehelic Gage. Periodic calibration is necessary to maintain on-site sampling accuracy.

A 7-day skip timer is included as standard and permits weekly scheduling with individual settings for each day and 14 trippers to turn the sampler on and off as desired. Any day or days may be omitted. Day and night periods are distinctly marked. Other timers and timer/programmers are available optionally to suit any sampling requirement.





A nonresettable, elapsed time indicator verifies accumulative intermittent sampling time periods as well as total elapsed time of operation. Calibrated in hundredths of an hour, the unit has a total register of 99,999.99 hours.



Priced separately, the calibration kit includes a manometer, calibrator and calibration curve, nested in a carrying case. The calibrator attaches directly to the top of the filter holder eliminating the need to disassemble the sampling unit. It affords precise calibration of the sampler and is especially recommended for calibrating the Model GPS1 **PUF** Sampler.

The GMW Model GPS1 **PUF** Sampler is shipped completely wired and assembled, ready for operation. All components are housed within the anodized aluminum shelter for maximum protection.

SPECIFICATIONS:

Amperage—8.0

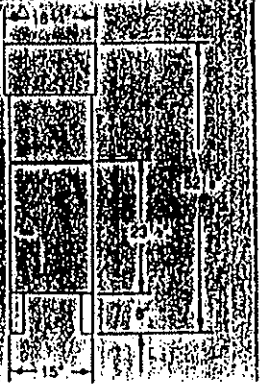
Wattage—960

Max. Flow Rate—280 liters per minute

Power Source—115V, 1 phase, 60 Hertz (other electrical characteristics available on request)

Net Weight—65 lbs.

Shipping Weight—75 lbs.



APPENDIX VII

CALIBRATIONS

AMBIENT AIR MONITORING FOR PCB
Calibration Calculation Sheet

Season: SUMMER

Site location:	AM-N	Baro., P2 (mm Hg):	734.06
Date:	06/04/2005	Temp., T2 (K):	300.2
Calibrated by:	CCB	Ave Baro., Pa (mmHg):	735
Sampler No.:	010	Ave Temp., Ta (K):	290.5

Calib.Orif.ID:	Z20		
Calib.Orif.slope:	9.79	Calib.Orif.intercept:	-0.010022

(Y1)	(Y2)	(Y3)	(Y4)	(X1)
8.1	70	2.79	8.19	0.286
7	60	2.59	7.58	0.266
6	50	2.4	6.92	0.246
4.7	40	2.12	6.19	0.218
3.5	30	1.83	5.36	0.188
2.2	20	1.45	4.38	0.149
1	10	0.98	3.1	0.101

Regression Output:		
Intercept		0.295
Std Err of Y Est		0.073
R Squared		0.999
Slope	27.275	

Set Point (0.225 m3/min) : 42
Set Point (0.257 m3/min) : 54

AMBIENT AIR MONITORING FOR PCB
Calibration Calculation Sheet

Season: SUMMER

Site location:	AM-S COLOCATED	Baro., P2 (mm Hg):	734.06
Date:	06/04/2005	Temp., T2 (K):	300.2
Calibrated by:	CCB	Ave Baro., Pa (mmHg):	735
Sampler No.:	201	Ave Temp., Ta (K):	290.5

Calib.Orif.ID:	Z20		
Calib.Orif.slope:	9.79	Calib.Orif.intercept:	-0.010022

(Y1)	(Y2)	(Y3)	(Y4)	(X1)
7.7	70	2.72	8.19	0.279
6.8	60	2.55	7.58	0.261
5.9	50	2.38	6.92	0.244
4.8	40	2.15	6.19	0.221
3.6	30	1.86	5.36	0.191
2.5	20	1.55	4.38	0.159
1.3	10	1.12	3.1	0.115

Regression Output:		
Intercept		-0.509
Std Err of Y Est		0.087
R Squared		0.998
Slope	30.803	

Set Point (0.225 m3/min) : 42
Set Point (0.257 m3/min) : 55

AMBIENT AIR MONITORING FOR PCB
Calibration Calculation Sheet

Season: SUMMER

Site location:	AM-S	Baro., P2 (mm Hg):	734.06
Date:	06/04/2005	Temp., T2 (K):	300.2
Calibrated by:	CCB	Ave Baro., Pa (mmHg):	735
Sampler No.:	008	Ave Temp., Ta (K):	290.5

Calib.Orif.ID:	Z20		
Calib.Orif.slope:	9.79	Calib.Orif.intercept:	-0.010022

(Y1)	(Y2)	(Y3)	(Y4)	(X1)
7.8	70	2.73	8.19	0.28
6.8	60	2.55	7.58	0.261
5.8	50	2.36	6.92	0.242
4.7	40	2.12	6.19	0.218
3.5	30	1.83	5.36	0.188
2.2	20	1.45	4.38	0.149
1	10	0.98	3.1	0.101

Regression Output:	
Intercept	0.158
Std Err of Y Est	0.108
R Squared	0.997
Slope	28.226

Set Point (0.225 m3/min) : 43
Set Point (0.257 m3/min) : 55

AMBIENT AIR MONITORING FOR PCB
Calibration Calculation Sheet

Season: SUMMER

Site location:	AM-W	Baro., P2 (mm Hg):	734.06
Date:	06/04/2005	Temp., T2 (K):	300.2
Calibrated by:	CCB	Ave Baro., Pa (mmHg):	735
Sampler No.:	011	Ave Temp., Ta (K):	290.5

Calib.Orif.ID:	Z20		
Calib.Orif.slope:	9.79	Calib.Orif.intercept:	-0.010022

(Y1)	(Y2)	(Y3)	(Y4)	(X1)
7.6	70	2.7	8.19	0.277
6.6	60	2.52	7.58	0.258
6	50	2.4	6.92	0.246
4.9	40	2.17	6.19	0.223
3.6	30	1.86	5.36	0.191
2.5	20	1.55	4.38	0.159
1.2	10	1.07	3.1	0.11

Regression Output:		
Intercept		-0.376
Std Err of Y Est		0.166
R Squared		0.993
Slope	30.295	

Set Point (0.225 m3/min) :	42
Set Point (0.257 m3/min) :	55

AMBIENT AIR MONITORING FOR PCB
Field Calibration Data Sheet

DATE: 6/4/05

TEMPERATURE: 80°F = 27°C + 273.2
BAROMETER: 28.9 AM-S - Colocate

Monitor #: 010 AM-N
ETM: 2272.18

Magnehelic Setting	Manometer Reading
70	8.1
60	
50	7
40	6
30	4.7
20	3.5
10	2.2
	1.0

Monitor #: 201
ETM: 2669.16

Magnehelic Setting	Manometer Reading
70	7.7
60	6.8
50	5.9
40	4.8
30	3.6
20	2.5
10	1.3

Monitor #: 008 AM-S
ETM: ~~2334.10~~ 2671.24

Magnehelic Setting	Manometer Reading
70	7.8
60	
50	6.8
40	5.8
30	4.7
20	3.5
10	2.2
	1.0

Monitor #: 011 AM-W
ETM: 2658.82

Magnehelic Setting	Manometer Reading
70	7.6
60	6.6
50	6.0
40	4.9
30	3.6
20	2.5
10	1.2

Monitor #:
ETM:

Magnehelic Setting	Manometer Reading
70	
60	
50	
40	
30	
20	
10	

Monitor #:
ETM:

Magnehelic Setting	Manometer Reading
70	
60	
50	
40	
30	
20	
10	

AMBIENT AIR MONITORING FOR PCB
Calibration Calculation Sheet

Season: SUMMER

Site location:	GEAM Background	Baro., P2 (mm Hg):	728.98
Date:	06/14/2005	Temp., T2 (K):	289.2
Calibrated by:	CCB	Ave Baro., Pa (mmHg):	735
Sampler No.:	005	Ave Temp., Ta (K):	290.5

Calib.Orif.ID:	Z20		
Calib.Orif.slope:	9.79	Calib.Orif.intercept:	-0.010022

(Y1)	(Y2)	(Y3)	(Y4)	(X1)
8	70	2.81	8.32	0.288
7.2	60	2.67	7.7	0.274
6	50	2.44	7.03	0.25
4.8	40	2.18	6.29	0.224
3.6	30	1.89	5.45	0.194
2.4	20	1.54	4.45	0.158
1.1	10	1.04	3.14	0.107

Regression Output:		
Intercept		0.033
Std Err of Y Est		0.1
R Squared		0.998
Slope	28.192	

Set Point (0.225 m3/min) :	41
Set Point (0.257 m3/min) :	53

GE Plastics
Background

AMBIENT AIR MONITORING FOR PCB
Field Calibration Data Sheet

DATE: 6/14/05

TEMPERATURE: 61°F = 16°C
BAROMETER: 28.7 × 25.4 =

Monitor #: 005
ETM: 3356.87

Magnehelic Setting	Manometer Reading
70	8
60	7.2
50	6.0
40	4.8
30	3.6
20	2.4
10	1.1

Monitor #:
ETM:

Magnehelic Setting	Manometer Reading
70	
60	
50	
40	
30	
20	
10	

Monitor #:
ETM:

Magnehelic Setting	Manometer Reading
70	
60	
50	
40	
30	
20	
10	

Monitor #:
ETM:

Magnehelic Setting	Manometer Reading
70	
60	
50	
40	
30	
20	
10	

Monitor #:
ETM:

Magnehelic Setting	Manometer Reading
70	
60	
50	
40	
30	
20	
10	

Monitor #:
ETM:

Magnehelic Setting	Manometer Reading
70	
60	
50	
40	
30	
20	
10	

AMBIENT AIR MONITORING FOR PCB
Calibration Calculation Sheet

Season: SUMMER

Site location:	AM-E	Baro., P2 (mm Hg):	728.98
Date:	06/16/2005	Temp., T2 (K):	285.2
Calibrated by:	TM	Ave Baro., Pa (mmHg):	735
Sampler No.:	011	Ave Temp., Ta (K):	290.5

Calib.Orif.ID:	Z20		
Calib.Orif.slope:	9.79	Calib.Orif.intercept:	-0.010022

(Y1)	(Y2)	(Y3)	(Y4)	(X1)
7.6	70	2.76	8.38	0.283
6.7	60	2.59	7.75	0.266
6.1	50	2.47	7.08	0.253
4.8	40	2.19	6.33	0.225
3.6	30	1.9	5.48	0.195
2.5	20	1.58	4.48	0.162
1.1	10	1.05	3.17	0.108

Regression Output:		
Intercept		-0.193
Std Err of Y Est		0.178
R Squared		0.992
Slope	29.503	

Set Point (0.225 m3/min) : 42
Set Point (0.257 m3/min) : 55

AMBIENT AIR MONITORING FOR PCB
Field Calibration Data Sheet

DATE: 6/16/05

TEMPERATURE: 54°F ≈ 12°C = 285.2
BAROMETER: 28.7 × 25.4 = 728.98

Monitor #: 011
ETM:

Magnehelic Setting	Manometer Reading
70	7.6
60	6.7
50	6.1
40	4.8
30	3.6
20	2.5
10	1.1

Monitor #:
ETM:

Magnehelic Setting	Manometer Reading
70	
60	
50	
40	
30	
20	
10	

Monitor #:
ETM:

Magnehelic Setting	Manometer Reading
70	
60	
50	
40	
30	
20	
10	

Monitor #:
ETM:

Magnehelic Setting	Manometer Reading
70	
60	
50	
40	
30	
20	
10	

Monitor #:
ETM:

Magnehelic Setting	Manometer Reading
70	
60	
50	
40	
30	
20	
10	

Monitor #:
ETM:

Magnehelic Setting	Manometer Reading
70	
60	
50	
40	
30	
20	
10	

AMBIENT AIR MONITORING FOR PCB
Calibration Calculation Sheet

Season: SUMMER

Site location:	AM-E	Baro., P2 (mm Hg):	739.14
Date:	07/12/2005	Temp., T2 (K):	301.2
Calibrated by:	CB	Ave Baro., Pa (mmHg):	735
Sampler No.:	200	Ave Temp., Ta (K):	290.5

Calib.Orif.ID:	Z20		
Calib.Orif.slope:	9.79	Calib.Orif.intercept:	-0.010022

(Y1)	(Y2)	(Y3)	(Y4)	(X1)
7.8	70	2.74	8.21	0.281
6.9	60	2.58	7.6	0.265
5.9	50	2.38	6.94	0.244
4.7	40	2.13	6.2	0.219
3.5	30	1.84	5.37	0.189
2.2	20	1.45	4.39	0.149
1	10	0.98	3.1	0.101

Regression Output:		
Intercept		0.198
Std Err of Y Est		0.113
R Squared		0.997
Slope	27.915	

Set Point (0.225 m3/min) : 42
Set Point (0.257 m3/min) : 55

AMBIENT AIR MONITORING FOR PCB
Calibration Calculation Sheet

Season: SUMMER

Site location:	AM-N	Baro., P2 (mm Hg):	739.14
Date:	07/12/2005	Temp., T2 (K):	301.2
Calibrated by:	CB	Ave Baro., Pa (mmHg):	735
Sampler No.:	008	Ave Temp., Ta (K):	290.5

Calib.Orif.ID:	Z20		
Calib.Orif.slope:	9.79	Calib.Orif.intercept:	-0.010022

(Y1)	(Y2)	(Y3)	(Y4)	(X1)
7.8	70	2.74	8.21	0.281
6.8	60	2.56	7.6	0.263
5.6	50	2.32	6.94	0.238
4.5	40	2.08	6.2	0.213
3.5	30	1.84	5.37	0.189
2.1	20	1.42	4.39	0.146
1	10	0.98	3.1	0.101

Regression Output:	
Intercept	0.213
Std Err of Y Est	0.091
R Squared	0.998
Slope	28.174

Set Point (0.225 m3/min) : 43
Set Point (0.257 m3/min) : 56

AMBIENT AIR MONITORING FOR PCB
Calibration Calculation Sheet

Season: SUMMER

Site location:	AM-S	Baro., P2 (mm Hg):	739.14
Date:	07/12/2005	Temp., T2 (K):	301.2
Calibrated by:	CB	Ave Baro., Pa (mmHg):	735
Sampler No.:	011	Ave Temp., Ta (K):	290.5

Calib.Orif.ID:	Z20		
Calib.Orif.slope:	9.79	Calib.Orif.intercept:	-0.010022

(Y1)	(Y2)	(Y3)	(Y4)	(X1)
7.8	70	2.74	8.21	0.281
7	60	2.6	7.6	0.267
6	50	2.4	6.94	0.246
5	40	2.19	6.2	0.225
3.8	30	1.91	5.37	0.196
2.5	20	1.55	4.39	0.159
1.2	10	1.07	3.1	0.11

Regression Output:		
Intercept		-0.283
Std Err of Y Est		0.143
R Squared		0.995
Slope	29.507	

Set Point (0.225 m3/min) : 41
Set Point (0.257 m3/min) : 54

AMBIENT AIR MONITORING FOR PCB
Calibration Calculation Sheet

Season: SUMMER

Site location: AM-S COLOCATED
Date: 07/12/2005
Calibrated by: CB
Sampler No.: 002

Baro., P2 (mm Hg): 739.14
Temp., T2 (K): 301.2
Ave Baro., Pa (mmHg): 735
Ave Temp., Ta (K): 290.5

Calib.Orif.ID: Z20
Calib.Orif.slope: 9.79
Calib.Orif.intercept: -0.010022

(Y1)	(Y2)	(Y3)	(Y4)	(X1)
9.1	70	2.96	8.21	0.303
8	60	2.77	7.6	0.284
6.8	50	2.56	6.94	0.263
5.6	40	2.32	6.2	0.238
4.3	30	2.03	5.37	0.208
2.8	20	1.64	4.39	0.169
1.2	10	1.07	3.1	0.11

Regression Output:	
Intercept	-0.006
Std Err of Y Est	0.149
R Squared	0.994
Slope	26.573

Set Point (0.225 m3/min) : 36
Set Point (0.257 m3/min) : 47

AMBIENT AIR MONITORING FOR PCB
Field Calibration Data Sheet

DATE: 7/12/05

TEMPERATURE: 83°F 28°C
BAROMETER: 29.1

Monitor #: 200 AM-E
ETM: 1831.96

Magnehelic Setting	Manometer Reading
70	7.8
60	6.9
50	5.9
40	4.7
30	3.5
20	2.2
10	1.0

Monitor #: 008 AM-N
ETM: 2815.79

Magnehelic Setting	Manometer Reading
70	7.8
60	6.8
50	5.6
40	4.5
30	3.5
20	2.1
10	1.0

Monitor #: 011 AM-S
ETM: 2776.11

Magnehelic Setting	Manometer Reading
70	7.8
60	7
50	6
40	5
30	3.8
20	2.5
10	1.2

Monitor #: 002 AM-S Co
ETM: 3294.15

Magnehelic Setting	Manometer Reading
70	9.1
60	8
50	6.8
40	5.6
30	4.3
20	2.8
10	1.2

Monitor #:
ETM:

Magnehelic Setting	Manometer Reading
70	
60	
50	
40	
30	
20	
10	

Monitor #:
ETM:

Magnehelic Setting	Manometer Reading
70	
60	
50	
40	
30	
20	
10	

APPENDIX VIII

FLOW CALCULATIONS
&
SINGLE POINT AUDITS

Location: GEAM Background

AMBIENT AIR MONITORING FOR PCB
Flow & Concentration Calculation Sheet

GEAM_060705.xls

Date: 06/06/05-06/07/05 Data Entered By: CCB

Calibration Orifice Slope: 9.79 Intercept: -0.010022
Calibration Orifice ID: Z20

SAMPLER LOCATION		AM-N	AM-S	AM-SC	AM-W	BMI
SAMPLER NO.		010	008	201	011	001
SAMPLE HEAD NO.		101	113	109	107	7
PRE-EVENT 1-POINT AUDIT		5.1	4.9	5.1	5.1	5.2
AUDIT TEMPERATURE		20	20	20	20	20
AUDIT BAROMETER		29	29	29	29	29
ETM READING (START)		2272.24	2671.33	2669.26	2656.91	4742.02
START-UP MAG. READING		42	43	42	42	39
6 HOURS	MAG. READING	42	42	41	42	36
	TEMPERATURE	30	30	30	30	30
	BAROMETER	29	29	29	29	29
12 HOURS	MAG. READING	42	45	43	44	40
	TEMPERATURE	19	19	19	19	19
	BAROMETER	28.9	28.9	28.9	28.9	28.9
18 HOURS	MAG. READING	42	43	42	42	39
	TEMPERATURE	18	18	18	18	18
	BAROMETER	28.9	28.9	28.9	28.9	28.9
FINAL MAG. READING		42	43	41	42	39
ETM READING (FINISH)		2296.24	2695.32	2693.23	2680.64	4766.03
POST-EVENT 1-POINT AUDIT		5	5	5	5.1	5
AUDIT TEMPERATURE		21	21	21	21	21
AUDIT BAROMETER		28.9	28.9	28.9	28.9	28.9

PRE-EVENT AUDIT FLOW RATE	0.23	0.225	0.23	0.23	0.232
% DIFF FROM TARGET FLOW	-2.2	0	-2.2	-2.2	-3
POST-EVENT AUDIT FLOW RATE	0.227	0.227	0.227	0.229	0.227
% DIFF FROM TARGET FLOW	-0.9	-0.9	-0.9	-1.7	-0.9
BEGINNING FLOW RATE	0.225	0.225	0.225	0.225	0.226
6-HOUR FLOW RATE	0.221	0.218	0.219	0.221	0.213
12-HOUR FLOW RATE	0.225	0.23	0.228	0.23	0.229
18-HOUR FLOW RATE	0.225	0.225	0.226	0.225	0.226
FINAL FLOW RATE	0.224	0.224	0.222	0.224	0.225
AVERAGE FLOW RATE	0.224	0.224	0.224	0.225	0.224
SAMPLE TIME	24	24	24	24	24.01
TOTAL STD. VOLUME (m3)	322.6	322.6	322.6	324	322.7
µg / PUF	0.49	0.61	0.46	0.32	2.50
µg / m3	0.0015	0.0019	0.0014	0.0010	0.0077

Location: GEAM Background

AMBIENT AIR MONITORING FOR PCB
Flow & Concentration Calculation Sheet

GEAM_060805.xls

Date: 06/07/05-06/08/05

Data Entered By: CCB

Calibration Orifice Slope: 9.79
Calibration Orifice ID: Z20

Intercept: -0.010022

SAMPLER LOCATION		AM-N	AM-S	AM-SC	AM-W	BMI
SAMPLER NO.		010	008	201	011	001
SAMPLE HEAD NO.		105	100	112	202	M2
PRE-EVENT 1-POINT AUDIT		5	5	5	5.1	5
AUDIT TEMPERATURE		21	21	21	21	21
AUDIT BAROMETER		28.9	28.9	28.9	28.9	28.9
ETM READING (START)		2296.25	2695.33	2693.24	2680.64	4766.03
START-UP MAG. READING		42	43	42	42	39
6 HOURS	MAG. READING	42	42	41	42	38
	TEMPERATURE	29	29	29	29	29
	BAROMETER	28.8	28.8	28.8	28.8	28.8
12 HOURS	MAG. READING	42	43	42	42	39
	TEMPERATURE	26.5	26.5	26.5	26.5	26.5
	BAROMETER	28.8	28.8	28.8	28.8	28.8
18 HOURS	MAG. READING	42	44	43	43	39
	TEMPERATURE	21	21	21	21	21
	BAROMETER	28.8	28.8	28.8	28.8	28.8
FINAL MAG. READING		43	43	43	42	39
ETM READING (FINISH)		2320.25	2719.33	2717.24	2704.64	4790.03
POST-EVENT 1-POINT AUDIT		5	4.9	5.1	4.9	5.1
AUDIT TEMPERATURE		25	25	25	25	25
AUDIT BAROMETER		28.9	28.9	28.9	28.9	28.9

PRE-EVENT AUDIT FLOW RATE	0.227	0.227	0.227	0.229	0.227
% DIFF FROM TARGET FLOW	-0.9	-0.9	-0.9	-1.7	-0.9
POST-EVENT AUDIT FLOW RATE	0.225	0.223	0.228	0.223	0.228
% DIFF FROM TARGET FLOW	0	0.9	-1.3	0.9	-1.3
BEGINNING FLOW RATE	0.224	0.224	0.225	0.224	0.225
6-HOUR FLOW RATE	0.221	0.218	0.219	0.221	0.218
12-HOUR FLOW RATE	0.222	0.222	0.222	0.222	0.222
18-HOUR FLOW RATE	0.224	0.226	0.227	0.226	0.224
FINAL FLOW RATE	0.225	0.223	0.226	0.223	0.223
AVERAGE FLOW RATE	0.223	0.223	0.224	0.223	0.222
SAMPLE TIME	24	24	24	24	24
TOTAL STD. VOLUME (m3)	321.1	321.1	322.6	321.1	319.7
µg / PUF	0.25	0.19	0.34	0.18	0.66
µg / m3	0.0008	0.0006	0.0011	0.0006	0.0021

Location: GEAM

AMBIENT AIR MONITORING FOR PCB
Flow & Concentration Calculation Sheet

GEAM_061705.xls

Date: 06/16/05-06/17/05 Data Entered By: CCB

Calibration Orifice Slope: 9.79 Intercept: -0.010022
Calibration Orifice ID: Z20

SAMPLER LOCATION		AM-N	AM-S	AM-SC	AM-E	AM-B*
SAMPLER NO.		010	008	201	011	005
SAMPLE HEAD NO.		111	103	104	113	7
PRE-EVENT 1-POINT AUDIT		5.1	4.8	5	5.3	4.9
AUDIT TEMPERATURE		12	12	12	12	12
AUDIT BAROMETER		28.7	28.7	28.7	28.7	28.7
ETM READING (START)		2320.29	2719.36	2717.28	2704.62	3357
START-UP MAG. READING		42	43	42	41	41
6 HOURS	MAG. READING	42	43	41	41	41
	TEMPERATURE	14	14	14	14	14
	BAROMETER	28.6	28.6	28.6	28.6	28.6
12 HOURS	MAG. READING	42	43	42	42	42
	TEMPERATURE	15	15	15	15	15
	BAROMETER	28.6	28.6	28.6	28.6	28.6
18 HOURS	MAG. READING	42	43	42	42	42
	TEMPERATURE	14	14	14	14	14
	BAROMETER	28.6	28.6	28.6	28.6	28.6
FINAL MAG. READING		43	44	43	44	41
ETM READING (FINISH)		2344.3	2743.36	2741.28	2728.62	3370
POST-EVENT 1-POINT AUDIT		5.1	4.9	5.1	5	4.9
AUDIT TEMPERATURE		15	15	15	15	15
AUDIT BAROMETER		28.7	28.7	28.7	28.7	28.7

PRE-EVENT AUDIT FLOW RATE	0.232	0.225	0.23	0.236	0.227
% DIFF FROM TARGET FLOW	-3	0	-2.2	-4.7	-0.9
POST-EVENT AUDIT FLOW RATE	0.231	0.226	0.231	0.228	0.226
% DIFF FROM TARGET FLOW	-2.6	-0.4	-2.6	-1.3	-0.4
BEGINNING FLOW RATE	0.227	0.227	0.227	0.224	0.226
6-HOUR FLOW RATE	0.226	0.226	0.224	0.223	0.225
12-HOUR FLOW RATE	0.225	0.225	0.226	0.225	0.227
18-HOUR FLOW RATE	0.226	0.226	0.226	0.225	0.228
FINAL FLOW RATE	0.229	0.228	0.229	0.23	0.225
AVERAGE FLOW RATE	0.227	0.226	0.226	0.225	0.226
SAMPLE TIME	24.01	24	24	24	24
TOTAL STD. VOLUME (m3)	327	325.4	325.4	324	325.4
µg / PUF	0.10	0.10	0.13	0.12	0.10
µg / m3	0.0003	0.0003	0.0004	0.0004	0.0003

* ETM was not operating properly (numbers were not rolling over). Sample time of 24 hours verified with timer by technician in the morning before monitor shutting off.

Location: GEAM

AMBIENT AIR MONITORING FOR PCB
Flow & Concentration Calculation Sheet

GEAM_071505.xls

Date: 07/14/05-07/15/05

Data Entered By: JBD

Calibration Orifice Slope: 9.79
Intercept: -0.010022
Calibration Orifice ID: Z20

SAMPLER LOCATION		AM-N	AM-S	AM-SC	AM-E	AM-B
SAMPLER NO.		008	011	002	200	005
SAMPLE HEAD NO.		101	108	113	103	109
PRE-EVENT 1-POINT AUDIT		5.1	5.2	5.5	5.2	5
AUDIT TEMPERATURE		21	21	21	21	21
AUDIT BAROMETER		29	29	29	29	29
ETM READING (START)		2815.93	2776.17	3294.25	1832.14	3370.02
START-UP MAG. READING		43	41	36	42	41
6 HOURS	MAG. READING	42	40	36	40	41
	TEMPERATURE	28	28	28	28	28
	BAROMETER	29	29	29	29	29
12 HOURS	MAG. READING	44	43	36	42	43
	TEMPERATURE	26	26	26	26	26
	BAROMETER	29	29	29	29	29
18 HOURS	MAG. READING	44	41	36	44	42
	TEMPERATURE	20	20	20	20	20
	BAROMETER	29	29	29	29	29
FINAL MAG. READING		42	42	36	43	41
ETM READING (FINISH)		2839.93	2800.17	3318.25	1856.14	3394.02
POST-EVENT 1-POINT AUDIT		5	5	5.1	5	4.9
AUDIT TEMPERATURE		22	22	22	22	22
AUDIT BAROMETER		29	29	29	29	29

PRE-EVENT AUDIT FLOW RATE	0.23	0.232	0.238	0.232	0.227
% DIFF FROM TARGET FLOW	-2.2	-3	-5.5	-3	-0.9
POST-EVENT AUDIT FLOW RATE	0.227	0.227	0.229	0.227	0.225
% DIFF FROM TARGET FLOW	-0.9	-0.9	-1.7	-0.9	0
BEGINNING FLOW RATE	0.223	0.225	0.224	0.223	0.224
6-HOUR FLOW RATE	0.218	0.219	0.221	0.215	0.221
12-HOUR FLOW RATE	0.224	0.228	0.222	0.221	0.227
18-HOUR FLOW RATE	0.226	0.225	0.224	0.229	0.227
FINAL FLOW RATE	0.22	0.227	0.224	0.225	0.223
AVERAGE FLOW RATE	0.222	0.225	0.223	0.223	0.224
SAMPLE TIME	24	24	24	24	24
TOTAL STD. VOLUME (m3)	319.7	324	321.1	321.1	322.6
µg / PUF	0.00	0.00	0.00	0.00	0.00
µg / m3	0.0000	0.0000	0.0000	0.0000	0.0000

APPENDIX IX

CHAIN OF CUSTODY FORMS

SGS

CHAIN OF CUSTODY RECORD
CT&E Enviromental Services Inc.
Laboratory Division

Locations Nationwide
- Alaska
- Maryland
- New Jersey
- Hawaii
- Louisiana
- Michigan
- West Virginia

www.sgsenvironmental.com

014858

(1)

CLIENT: Berkshire Environmental Consultants
CONTACT: Maura Hawkins PHONE NO:(413) 443 0130
PROJECT: GEAM SITE/PWSID# :
REPORTS TO: Berkshire Environmental Consultants
152 North Street Suite 250 Pittsfield MA 01201 FAX NO.:(413) 443 1297
INVOICE TO: BBL QUOTE #
P.O. NUMBER

CT&E Reference: TAS-FO-P140-16

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE C=COMP G=GRAB	Preservatives Used	Analysis Required (3) PCB (TO-4A)	REMARKS
1	BLK-060705-100	6/7/05	7:30	PUF	1	G		X	
2	AMN-060705-010				1	G		X	
3	AMS-060705-008				1	G		X	
4	AMSC-060705-201				1	G		X	
5	AMW-060705-011				1	G		X	
6	BMI-060705-001	↓	↓	↓	1	G		X	

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
Connie Bartlett	6/7/05	5pm	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:
	6-8-05	8:55	Robin Hambrecht

(4)

Shipping Carrier: FED Ex
Shipping Ticket No:
Samples Received Cold? (Circle) YES NO
Temperature °C: 4.8
Special Deliverable Requirements:
Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Requested Turnaround Time and Special Instructions:

3 Days

CHAIN OF CUSTODY RECORD
CT&E Enviromental Services Inc.
Laboratory Division

Locations Nationwide
- Alaska
- Maryland
- New Jersey
- Hawaii
- Loulsiana
- Michigan
- West Virginia

www.sgsenvironmental.com

014859

(1)

CLIENT: Berkshire Environmental Consultants
CONTACT: Maura Hawkins PHONE NO:( )
PROJECT: GE AM SITE/PWSID# :
REPORTS TO: Berkshire Environmental Consultants
152 North St. Suite 258
Pittsfield MA 01201 FAX NO.:( )
INVOICE TO: BBL QUOTE #
P.O. NUMBER

CT&E Reference: TAS-Fap2061/6

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE C=COMP G=GRAB	Preservatives Used	Analysis Required (3) PCB (TO-4A)	REMARKS
1	BLK-060805-100	~~6/5/05~~ 6/8/05	7:30	P/F	1	G		X	
2	AMN-060805-010		7:42		1	G		X	
3	AMS-060805-008		7:56		1	G		X	
4	AMSC-060805-201		7:49		1	G		X	
5	AMW-060805-011		8:05		1	G		X	
6	BMI-060805-001	↓	8:14	↓	1	G		X	

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
Maura Bartlett	6/8/05	5:00pm	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	~~Date~~	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:
	6-10-05	9:00	Robin Hambrecht

(4)

Shipping Carrier: FEDEX
Shipping Ticket No:
Samples Received Cold? (Circle) YES NO
Temperature °C: 5.2
Special Deliverable Requirements:
Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Requested Turnaround Time and Special Instructions:

3 Days

CHAIN OF CUSTODY RECORD
CT&E Enviromental Services Inc.
Laboratory Division

Locations Nationwide
- Alaska
- Maryland
- New Jersey
- Hawaii
- Louisiana
- Michigan
- West Virginia

www.sgsenvironmental.com

014863

(1)
CLIENT: Berkshire Environmental
CONTACT: MAURA HAWKINS PHONE NO: (413) 443-0130
PROJECT: GEAM SITE/PWSID#:
REPORTS TO: Berkshire Environmental Consultants 152 North St, Pittsfield MA FAX NO.: (413) 443-1297
INVOICE TO: Berkshire Environmental QUOTE # P.O. NUMBER

CT&E Reference: TA5-FO-P368-1/6

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE C=COMP G=GRAB	(3) Analysis Required: PCB-TO-4A	REMARKS
1	BLK-061705-100	6/17/05	7:30	PUF	1	G	X	
2	AM-N-061705-010		7:30		1	G	X	
3	AM-S-061705-008		7:30		1	G	X	
4	AM-SC-061705-201		7:30		1	G	X	
5	AM-E-061705-011		8:10		1	G	X	
6	AM-B-061705-005		7:30		1	G	X	

(5)

	Date	Time	
Collected/Relinquished By:(1) Maura J. Hawkins	6/17/05	2:45	Received By: FedEx
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	6-18-05	9:15	Received By: Robin Hambrick

(4)
Shipping Carrier: FED EX
Shipping Ticket No:
Samples Received Cold? (Circle) YES NO
Temperature °C: 3.9
Special Deliverable Requirements:
Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT
Requested Turnaround Time and Special Instructions:
3 Days.

200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
1200 Conrad Industrial Drive Ludington, MI 49431 Tel: (231) 843-1877 Fax: (231) 845-9042
151 James Drive West St. Rose, LA 70087 Tel: (504) 469-8401 Fax: (504) 463-3204

SGS

CHAIN OF CUSTODY RECORD
CT&E Enviromental Services Inc.
Laboratory Division

Locations Nationwide
- Alaska
- Maryland
- New Jersey
- Hawaii
- Louisiana
- Michigan
- West Virginia

www.sgsenvironmental.com

019337

(1)

CLIENT: Berkshire Environmental Consultants
CONTACT: Maura Hawkins PHONE NO:(413)443-0130
PROJECT: GEAM SITE/PWSID# :
REPORTS TO: Berkshire Environmental Consultants
152 North St Suite 250 Pittsfield MA 01201 FAX NO.:(413)443 1297
INVOICE TO: Berkshire Environmental QUOTE # P.O. NUMBER

CT&E Reference: TA5-GO-P304-1/6

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE C= COMP G= GRAB	Preservatives Used	Analysis Required (3) PCB (TO-4A)	REMARKS
1	BLK-071505-100	7/15/05	7:30	PUF	1	G		X	
2	AM-N-071505-008				1	G		X	
3	AM-S-071505-011				1	G		X	
4	AM-SC-071505-002				1	G		X	
5	AM-E-071505-200				1	G		X	
6	AM-B-071505-005		7:41		1	G		X	

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
Anne Bartlett	7/15/05	10:30am	
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date 7/16/05	Time 9:35	Received By: Robin Hambrick

(4)

Shipping Carrier: Fed Ex
Shipping Ticket No:
Samples Received Cold? (Circle) YES NO
Temperature °C: 4.8
Special Deliverable Requirements:
Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT
Requested Turnaround Time and Special Instructions:

3 Days

APPENDIX X

SAMPLING DATA SHEETS

AMBIENT AIR MONITORING FOR PCB
Sampling Data Sheet

Date: 6/6/05 - 6/7/05

Performed By: Corinne Bartlett
Tom Benson

BLANK HEAD NO.: 102

SAMPLER LOCATION		AM-N	AM-S	AM-SC	AM-W	BM1		
SAMPLER NO.		010	008	201	011	001		
MAG. (FLOW) SETTING		42	43	42	42	39		
SAMPLE HEAD NO.		101	113	109	107	7		
MAG. ZERO SET (CHECK)		✓	✓	✓	✓	✓		
PRE-EVENT 1-POINT AUDIT		5.1	4.9	5.1	5.1	5.2		
AUDIT TEMPERATURE		20°C	20	20	20	20		
AUDIT BAROMETER		29	29	29	29	29		
TIME OF SAMPLE HEAD INST.		639	659	650	715	729		
ETM READING (START)		2272.24	2671.33	2669.26	2656.91	4742.02		
TIMER SET TO START AT		730	730	730	730	730		
START-UP MAG. READING		42	43	42	42	39		
6 HOURS	MAG. READING	42	42	41	42	36		
	MAG. ADJUSTED TO	/	43	42	/	39		
	ETM READING	2278.49	2677.58	2675.52	2663.22	4748.40		
	TIME	145	144	145	148	153		
	TEMPERATURE	30°C	30	30	30	30		
	BAROMETER	29	29	29	29	29		
12 HOURS	MAG. READING	42	45	43	44	40		
	MAG. ADJUSTED TO	✓	43	42	42	39		
	ETM READING	2284.37	2683.41	2681.32	2668.95	4753.87		
	TIME	7:37	7:35	7:38	7:32	7:25		
	TEMPERATURE	19°C	19°C	19°C	18°C	19°C		
	BAROMETER	28.9	28.9	28.9	28.9	28.9		
18 HOURS	MAG. READING	42	43	42	42	39		
	MAG. ADJUSTED TO	✓	✓	✓	✓	✓		
	ETM READING	2290.30	2689.39	2687.82	2674.78	4760.21		
	TIME	1:34AM	1:36AM	1:37AM	1:39AM	1:46AM		
	TEMPERATURE	18°C	18°C	18°C	18°C	18°C		
	BAROMETER	28.9	28.9	28.9	28.9	28.9		
FINAL MAG. READING		42	43	41	42	39		
ETM READING (FINISH)		2296.24	2695.32	2693.23	2680.64	4766.03		
TIME OF SAMPLE COLLECTION		735	750	745	801	811		
POST-EVENT 1-POINT AUDIT		5.0	5.0	5.0	5.1	5.0		
AUDIT TEMPERATURE		21°C	21	21	21	21		
AUDIT BAROMETER		28.9	28.9	28.9	28.9	28.9		

AMBIENT AIR MONITORING FOR PCB
Sampling Data Sheet

Date: 6/7-6/8/05

Performed By: Corinne Bartlett
Tom Benson

BLANK HEAD NO.: 114

SAMPLER LOCATION		AM-N	AM-S	AM-SC	AM-W	BM1		
SAMPLER NO.		010	008	201	011	001		
MAG. (FLOW) SETTING		42	43	42	42	39		
SAMPLE HEAD NO.		105	100	112	202	M2		
MAG. ZERO SET (CHECK)		✓	✓	✓	✓	✓		
PRE-EVENT 1-POINT AUDIT		5.0	5.0	5.0	5.1	5.0		
AUDIT TEMPERATURE		21	21	21	21	21		
AUDIT BAROMETER		28.9	28.9	28.9	28.9	28.9		
TIME OF SAMPLE HEAD INST.		741	755	748	804	813		
ETM READING (START)		2296.25	2695.33	2693.24	2680.64	4766.03		
TIMER SET TO START AT		742	756	749	805	814		
START-UP MAG. READING		42	43	42	42	39		
6 HOURS	MAG. READING	42	42	41	42	38		
	MAG. ADJUSTED TO	/	43	42	/	39		
	ETM READING	230202	2700.88	2698.91	2686.10	4770.82		
	TIME	128	129	129	132	101		
	TEMPERATURE	29°C	29°C	29	29	29		
	BAROMETER	28.8	28.8	28.8	28.8	28.8		
12 HOURS	MAG. READING	42	43	42	42	39		
	MAG. ADJUSTED TO	✓	✓	✓	✓	✓		
	ETM READING	2308.14	2707.01	2705.03	2692.33	4777.57		
	TIME	7:35	7:38	7:37	7:40	7:50		
	TEMPERATURE	26.5°C	26.5°C	26.5°C	26.5°C	26.5°C		
	BAROMETER	28.8	28.8	28.8	28.8	28.8		
18 HOURS	MAG. READING	42	44	43	43	39		
	MAG. ADJUSTED TO	✓	43	42	42	✓		
	ETM READING	2314.07	2712.96	2710.98	2698.19	4783.49		
	TIME	1:31 AM	1:36 AM	1:35 AM	1:38 AM	1:46 AM		
	TEMPERATURE	21°C	21°C	21°C	21°C	21°C		
	BAROMETER	28.8	28.8	28.8	28.8	28.8		
FINAL MAG. READING		43	43	43	42	39		
ETM READING (FINISH)		2320.25	2719.33	2717.24	2704.64	4791.03		
TIME OF SAMPLE COLLECTION		748	816	809	826	839		
POST-EVENT 1-POINT AUDIT		5.0	4.9	5.1	4.9	5.1		
AUDIT TEMPERATURE		25°C	25	25	25	25		
AUDIT BAROMETER		28.9	28.9	28.9	28.9	28.9		

AMBIENT AIR MONITORING FOR PCB
Sampling Data Sheet

Date: 6/16-6/17/05

Performed By: Corinne Bartlett Tom Myers Tom Benson

BLANK HEAD NO.: 102

		AM-N	AM-S	AM-SC	AM-E	AM-B		
SAMPLER LOCATION		010	008	201	011	005		
SAMPLER NO.		42	43	42	42	41		
MAG. (FLOW) SETTING		111	103	104	113	7 *		
SAMPLE HEAD NO.		✓	✓	✓	✓	✓		
MAG. ZERO SET (CHECK)		5.1	4.8	5.0	5.3	4.9		
PRE-EVENT 1-POINT AUDIT		12°C	12	12	12	12		
AUDIT TEMPERATURE		28.7	28.7	28.7	28.7	28.7		
AUDIT BAROMETER		646	726	720	809	635		
TIME OF SAMPLE HEAD INST.		2320.29	2719.36	2717.28	2704.62	3352.00		
ETM READING (START)		730	730	730	810	730		
TIMER SET TO START AT		42	43	42	41	41		
START-UP MAG. READING								
6 HOURS	MAG. READING	42	43	41	41	41		
	MAG. ADJUSTED TO	✓	✓	42	42	✓		
	ETM READING	2326.38	2725.47	2723.40	2710.16	3362.96		
	TIME	135	136	132	130	127		
	TEMPERATURE	14°C	14°C	14°C	14°C	14°C		
	BAROMETER	28.6						
12 HOURS	MAG. READING	42	43	42	42	42		
	MAG. ADJUSTED TO	✓	✓	✓	✓	41		
	ETM READING	2329.38	2731.46	2729.38	2716.34	3369.08		
	TIME	734	736	735	741	731		
	TEMPERATURE	15°C	15°C	15°C	15°C	15°C		
	BAROMETER	28.6	28.6	28.6	28.6	28.6		
18 HOURS	MAG. READING	42	43	42	42	42		
	MAG. ADJUSTED TO	✓	✓	✓	✓	41		
	ETM READING	2335.36	2737.47	2735.37	2722.35	3369.99		
	TIME	1:34 AM	1:36 AM	1:35 AM	1:42 AM	1:45 AM		
	TEMPERATURE	14°C	14°C	14°C	14°C	14°C		
	BAROMETER	28.6	28.6	28.6	28.6	28.6		
FINAL MAG. READING		43	44	43	44	41		
ETM READING (FINISH)		2344.30	2743.36	2741.28	2728.62	3370.00		
TIME OF SAMPLE COLLECTION		742	751	801	815	735		
POST-EVENT 1-POINT AUDIT		5.1	4.9	5.1	5.0	4.9		
AUDIT TEMPERATURE		15°C	15°C	15°	15°	15°		
AUDIT BAROMETER		28.7	28.7	28.7	28.7	28.7		

* ETM was not operating properly due to numbers not rolling over. Sampler did run 24 hrs due to technician checking sampler in the morning prior to it shutting off @ 7.30 AM.

AMBIENT AIR MONITORING FOR PCB
Sampling Data Sheet

Date: 7/14-7/15/05

Performed By: Corinne Bartlett, Tom Benson

BLANK HEAD NO.: M2

		AM-N	AM-S	AM-SC	AM-E	AM-B		
SAMPLER LOCATION		008	011	002	200	005		
SAMPLER NO.		43	41	36	42	41		
MAG. (FLOW) SETTING		101	108	113	103	109		
SAMPLE HEAD NO.		✓	✓	✓	✓	✓		
MAG. ZERO SET (CHECK)		5.1	5.2	5.5	5.2	5.0		
PRE-EVENT 1-POINT AUDIT		69	21°C	21	21	21		
AUDIT TEMPERATURE		29.0	29.0	29.0	29.0	29.0		
AUDIT BAROMETER		723	712	718	728	740		
TIME OF SAMPLE HEAD INST.		2815.93	2776.17	3294.25	1832.14	3370.02		
ETM READING (START)		730	730	730	730	741		
TIMER SET TO START AT		43	41	36	42	41		
START-UP MAG. READING								
6 HOURS	MAG. READING	42	40	36	40	41		
	MAG. ADJUSTED TO	43	41	/	42	/		
	ETM READING	2821.32	2781.60	3299.70	1837.63	3375.36		
	TIME	1254	1256	1256	1:00	101		
	TEMPERATURE	83°F	28°C	28	28	28		
	BAROMETER	29.0	29.0	29.0	29.0	29.0		
12 HOURS	MAG. READING	44	43	36	42	43		
	MAG. ADJUSTED TO	43	41	✓	✓	41		
	ETM READING	2828.01	2788.99	3306.39	1844.81	3382.05		
	TIME	7:35	7:37	7:38	7:40	7:42		
	TEMPERATURE	78°F	26°C	26	26	26		
	BAROMETER	29.0	29.0	29.0	29.0	29.0		
18 HOURS	MAG. READING	44	41	36	44	42		
	MAG. ADJUSTED TO	73	✓	✓	42	41		
	ETM READING	2833.99	2794.26	3312.37	1850.30	3388.05		
	TIME	1:33AM	1:35AM	1:37AM	1:39AM	1:42AM		
	TEMPERATURE	68°F	20°C	20	20	20		
	BAROMETER	29.0	29.0	29.0	29.0	29.0		
FINAL MAG. READING		42	42	36	43	41		
ETM READING (FINISH)		2839.93	2800.17	3318.25	1856.14	3394.02		
TIME OF SAMPLE COLLECTION		750	803	807	814	743		
POST-EVENT 1-POINT AUDIT		5.0	5.0	5.1	5.0	4.9		
AUDIT TEMPERATURE		72°F	22°C	22	22	22		
AUDIT BAROMETER		29.0	29.0	29.0	29.0	29.0		

APPENDIX XI

AVERAGE PERCENT DEVIATION CALCULATIONS

Average Percent Deviation Calculations - PCB
GE Advanced Materials

Date	S of GEAM (ug/m^3) (Primary)	S of GEAM (ug/m^3) (Co-located)	d_i = (Primary - Co-located)/Primary
06/06 - 06/07/05	0.0019	0.0014	0.26
06/07 - 06/08/05	0.0006	0.0011	-0.83
06/16 - 06/17/05	0.0003	0.0004	-0.33
07/14 - 07/15/05	ND (<0.0003)	ND (<0.0003)	0.00
		Total	1.42

Average % Deviation = total d_i/no. of sampling events * 100 = (1.42/4) * 100 = 36%

Appendix H

Waste Disposal Quantities Summary and Manifests (Provided Separately by Onyx)

BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

Appendix I

Project Status Meeting Minutes

BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

GE Advanced Materials
HQ Facilities and Services

Dan Downer

Facilities and Services

1 Plastics Ave.
Pittsfield. MA 01201
USA

T 413 448 6665
F 413 448 6448
DANIEL.DOWNER@GE.com

2-22-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 1 – February 22, 2004

Attendees:
Dan Downer – Hill Engineering
Steve Delayed – GEAM
Lamb, Robert –GE AM
Bill, Pike—GEAM
Dean Shaw—GEAM
Michael O'Donnell-GEAM via: phone
David Gerber –BBL
Chuck Guest—BBL
Bruce Elian—BBL
Tom—BBL

Agenda

SITE ONE Demo Kick Off Meeting with BBL

- Review BBL plan for Site removals, decommissioning and demolition
- Review utility decommissioning progress and schedule
- Review project logistics (site access, safety contractor training, work hours, lay-down office area)
- Review project team roles / responsibilities
- Review key project stakeholders
- Review project schedule (indicating a drop dead completion date of Sept. 1).
- Review key project decision points and regulator notifications
- Review GE-AM bidding procedures and guidelines
- Review open items (steel disposal plan, flood plain issues, proposed helipad location, Con. Com. or EPA jurisdiction?)

Next steps / action items

Items Discussed

Introductions of all attendees

1.1 Dean Shaw went over two items

-All bids going out though BBL will be defined well enough so as to get apples to apple pricing.

-Sub contractors will be approved vendors, **list to be given to BBL.**

1.2 Contract is almost reviewed by GEAM personal, Dennis Arsenal is away this week. Dan will contact Dennis Arsenal to get process going.

1.3 BBL to give Dan Downer a list of contractors they use in Pittsfield.

1.4 Discussion of personal on site:

-Bruce Elian will be site contact

-Tom will be site safety .

1.5 BBL will have and office located in building #51 next to fire station.

-BBL will bring their own fax and copier, GEAM will provide power and phone hook ups

1.6 Steve Delayed addressed several issues

-Contractor sign in process: maybe do a guard at old #51 gate house or sign in with a guard at the office BBL will have at B#51. **GEAM to discuss and get back to bbl.**

-Daily work permits and burning permits **GEAM to discuss and get back to bbl.**

-Traffic control around site one area BBL to work out with GEAM every day so to inform the entire site.

-Safety briefings and daily paper work required for government standards. **S. Delayed to give D. Downer proper foams**

-Contractor training: CEP training the same as Gleam's. **List from BBl to get to D.Downer**

-Steve Deloye Requested from **BBL to fill out and send backs 2005 insurance from.**

1.7 Preliminary schedule handed out by BBL:

-Start next week 2/28/2005

- Complete mid September.

1.8 First items to do will be the removal of liquids/hazardous/regulated materials.

-BBL to start moving on this item.

1.9 second item is to start the asbestos removal bidding process.

-BBL to use site approved contractors

1.10 BBL discussed the need for 220 power on site one area
GEAM to address this item.

1.11 Bill Pike asked how truck is to be weighed before leaving the site one area?
BBL to look into temporary scale or use east street scale.

1.12 Michael O'Donnell asked about disposal of demolition material.
Dan Downer stated that John Novotny would like every thing to go as TSCA containing material.

BBL indicated that the test levels found on equipment was not above 50 ppm from the last batch of samples that were taken. BBL to get the data together and Dan Downer to discuss with John Novotny.

1.13 BBL said that if all demolition is to go as TSCA labeled when the levels are not all TSCA. It will elevate the disposal cost 1.1mil. +/- Mike O'Donnell said there might be and option to go to TSCA site as non-labeled for levels below TSCA limits and save taxes. BBL said the cost would be 220,000 +/- over original estimate.

1.14 BBL asked about how the manifest for shipping will be signed? Options: bbl act as reps, Dan Downer, GEAM employee. **Some one from GEAM to help on this.**

1.15 BBL's safety training to happen next week for personal with out cep or GEAM training over The last 2 yrs.

1.16 after meeting D. Downer and BBL personal walked the site one grounds to talk about power locations for temp. Power. material lay down areas, maybe tank farm containment dikes, traffic rooting, site protection.

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
Daniel Downer
Facilities projects
GE- Advanced Materials

cc: John Novotny GE corporate
Denis Arseneau

GE Advanced Materials
HQ Facilities and Services

Dan Downer

Facilities and Services

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DANIEL.DOWNER@GE.com

3-22-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 2 – March 22, 2005

Attendees:
Dan Downer – Hill Engineering
Steve Delayed – GEAM
Lamb, Robert –GE AM
Bill, Pike—GEAM
Dennis Arseneau—GEAM
Joe Choon—GEAM
David Gerber –BBL
Bruce Elian—BBL

Agenda

SITE ONE weekly Meeting

- Safety
- Review utility decommissioning progress and schedule
- Review status of liquid removals
- Review project schedule
- Review asbestos bids
- Review building permit
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

2.1 Talk about Tom Burgis of bbl being on site two day to review safety status. Bruce Eulin of bbl will be here as safety person and the entire royal personal have a cell phone to use if need be.

2.2 Steve Deloye asked about the background check status for BBL subcontractors. BBL to get back to GE on status and make sure it's in the bid documents.

2.3 BBL to get criteria Form to Steve Deloye before 4/1/2005.

2.4 Steve Deloye was concerned about the sign-in procedure would be in the morning of each day. All agreed that the contractors are in long before the mainstream of GE workers comes in.

2.5 Building #114; a/c unit CFC's are going to be removed by four seasons next week. Bruce of BBL with set up.

2.6 Liquids that are removed by BBL vendors: day-by-day list to be given to Dan Downer on a weekly basis.

2.7 Site disposal material cost gone over by BBL Dave Gerber. Cost will be 225.00 to 250.00 a ton if they do turn key removal. Dan Downer said GE-CEP could do for less. GE to firm this item up.

2.8 Temporary scale cost will be around 40,000 to 60,000.BBL to use the scales over on East Street. Trucker to weigh in and travel to site on and use the on board truck scales to meet there weight and go back to east street to weigh out. Copies of Slips to go to Dan Downer.

2.9 Asbestos bids came in and royal was low. GE to get BBL a PO for task #3

2.10 Building #114 salt building and CMU block area south of salt house. Joe choon to investigate that the power has been shut off.

2.11 Steam trestle from buildings #51 east side via site one buildings to Merrill road: question asked about asbestos. BBL to confirm on report.

2.12 Hill engineers to get drawings of steam line and remaining slab elevation and locations of trenches to BBL prior to demolition bids going out.

2.13 Building permits process to be started by BBL.

2.14 BBL to provide a list of contractors to do demolition to Dan Downer.

Next meeting to be Tuesday 3/29/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
Daniel Downer
Facilities projects
GE- Advanced Materials

cc: John Novotny GE corporate

GE Advanced Materials
HQ Facilities and Services

Dan Downer

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3-29-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 3 – March 28, 2005

Attendees:
Dan Downer – Hill Engineering
Steve Delayed – GEAM
Dale Laroche--GEAM
Bill, Pike—GEAM
Joe Choon—GEAM
Bruce Elian—BBL

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #2
- Review status of liquid removals
- Review project schedule
- Review asbestos Contractor Status
- Review building permit
- Review disposal cost and record keeping
- Reviewed Elevator in Building #109
- Reviewed Power shut down

Next steps / action items

Items Discussed

2.1 Talk about Tom Burgis of bbl being on site two day to review safety status. Bruce Eulin of bbl will be here as safety person and the entire royal personal have a cell phone to use if need be.

2.5 Building #114; a/c unit CFC's are going to be removed by four seasons next week. Bruce of BBL with set up.(**in process) oils to be removed after CFC's.**

2.6 Liquids that are removed by BBL vendors: day-by-day list to be given to Dan Downer on a weekly basis.(**Bruce of BBL to hand list out for each day.)**

2.7 Site disposal material cost gone over by BBL Dave Gerber. Cost will be 225.00 to 250.00 a ton if they do turn key removal. Dan Downer said GE-CEP could do for less. GE to firm this item up.(**GE_AM account will be directly billed through waste management.)**

2.8 Temporary scale cost will be around 15,000 to 60,000.BBL to use the scales over on East Street. Trucker to weigh in and travel to site on and use the on board truck scales to meet there weight and go back to east street to weigh out. Copies of Slips to go to Dan Downer. **(list of options given to D. Downer see new item 3.3)**

2.9 Asbestos bids came in and royal was low. **GE to get BBL a PO for task #3**

2.10 Building #114 salt building and CMU block area south of salt house. Joe choon to investigate that the power has been shut off. **(power feed from building #114 has been cut per Joe Choon and Dale Laroche . Bruce to inform royal for bulbs and ballast removal.**

2.11 Steam trestle from buildings #51 east side via site one buildings to Merrill road: question asked about asbestos. BBL to confirm on report. **(BBL's B. Elian to look at.)**

2.12 Hill engineers to get drawings of steam line and remaining slab elevation and locations of trenches to BBL prior to demolition bids going out.(**BBL's B. Eulin to get dates of bid.)**

2.13 Building permits process to be started by BBL.(**this item needs to be obtained by demolition contractor after bid is awarded).**

2.14 BBL to provide a list of contractors to do demolition to Dan Downer. (**BBL's B. Eulin to give D. Downer a list. Also J. Novotny has a list of contractors to use.)**

New items:

3.1 Asbestos 10 Day state and federal Notification process started by BBL and Royal.

3.2 Elevator in Building #109: Bay state elevator to take the car and doors apart and submit a filing with the state Mass Dept. .of Public Safety.
After this work is done Royal can remove liquids ,BBL to test caisson for any leaks.
Bay State Elevator will pull shaft out of caisson and lay down adjacent to area.
Royal will fill with concrete if no issues arise.

3.3 Question of trucking process discussed: BBL said about 10 to 15 trucks per day when trucking starts.

BBL will contact waste management to send required trucks, weight in empty at east street scale that is manned by BBL personal. Trucks to travel east on Merrill road to plastics are and enter site at gate #51 and load to composites using on board truck scales. Trucks will transport to east street scales to be weighed out. Copies of weight slips go to Dan Downer each day of any trucking.

3.4 GEP to remove JLG lift from building #109.

3.5 Went over schedule of building to be demolished first. The goal will be to get #114,#114 east tank area and salt building east of building #114. then work northwest to b-#115,112,113,and #111. this will allow asbestos abatement to continue in buildings #110,109,108,and 107.

3.6 Power investigation in manhole at building #119 via tunnel to manhole at building #108 near saw ,to be investigated by Dale, Joe, and Dan Downer. Bill Pike to sniff hole and follow confined space entry protocols.

3.7 Storm drain in site one area to have filter fabric installed prior to any demolition work.

3.8 Power shut off is scheduled for April 2nd. Dale working with woody at CPE.

Next meeting to be Tuesday 4/5/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
Daniel Downer
Facilities projects
GE- Advanced Materials

cc: John Novotny GE corporate
Dennis Arseneau GEAM

4-5-2005

SITE ONE DECOMMISIONING Project Meeting Minutes

Meeting # 4

Attendees:

Dan Downer – Hill Engineering

Steve Deloye– GEAM

Dale Laroche--GEAM

Bill Pike—GEAM

Dennis Arseneau-GEAM

Bruce Eulin—BBL

John Novotny-GE CEP

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #3
- Review status of liquid removals
- Review project schedule
- Review asbestos Contractor Status
- Review building permit
- Review disposal cost and record keeping
- Reviewed Elevator in Building #109
- Reviewed Power shut down

Next steps / action items

Items Discussed

2.5 Building #114; a/c unit CFC's are removed. Bruce of BBL to get John Novotny results after 50 samples are accumulated. Bruce of BBL said that should be next week.

5. Liquids that are removed by BBL vendors: day-by-day list to be given to Dan Downer on a weekly basis.(**Bruce of BBL to hand list out for each day.)**

6. Site disposal material cost gone over. GE AM has set up P.O. with CWM Chemical Services, LLC.

9. Asbestos bids came in and royal was low. **GE AM to give cost estimated value to John Novotny of GE CEP.**

11. Steam trestle from buildings #51 east side via site one buildings to Merrill road: question asked about asbestos. **(BBL's B. Eulin to have ATC investigate and give report for next meeting.**

12. Hill engineers to get drawings of steam line and remaining slab elevation and locations of trenches to BBL prior to demolition bids going out. **(Dates of bid for demolition are 4/18/05 and to be submitted 4/29/05.)**

3.1 Asbestos 10 Day state and federal Notification process started by BBL and Royal. **(Notification to be completed for work to start after 4/13/05.)**

2. Elevator in Building #109: Bay state elevator to take the car and doors apart and submit a filing with the state Mass Dept. .of Public Safety.

After this work is done Royal can remove liquids ,BBL to test caisson for any leaks.

Bay State Elevator will pull shaft out of caisson and lay down adjacent to area.

Royal will fill with concrete if no issues arise. **(John Novotny will need to notify if any leakage was detected.)**

3. Question of trucking process discussed: BBL said about 10 to 15 trucks per day when

trucking starts.

BBL will contact waste management to send required trucks, weight in empty at east street scale that is manned by BBL personal. Trucks to travel east on Merrill road to plastics are and enter site at gate #51 and load to composites using on board truck scales. Trucks will transport to east street scales to be weighed out. Copies of weight slips go to Dan Downer each day of any trucking. **(Onyx to get pre approval for Manifest. Bruce to set up.)**

5. Went over schedule of building to be demolished first. The goal will be to get #114,#114 east tank area and salt building east of building #114. then work northwest to b-#115,112,113,and #111. this will allow asbestos abatement to continue in buildings #110,109,108,and 107.

6. Power investigation in manhole at building #119 via tunnel to manhole at building #108 near saw ,to be investigated by Dale, Joe, and Dan Downer. Bill Pike to sniff hole and follow confined space entry protocols. **(Investigation done and Asbestos in B-108 vault.)** CEP

7. Storm drain in site one area to have filter fabric installed prior to any demolition work. **(j. Novotny to Review method.)**

8. Power shut off is scheduled for **April 9th**. Dale working with woody at CPE.

New Business

4.1 Onyx material for asbestos: GE CEP will set up P.O. and do internal billing. **(GE AM to let John Novotny know amount to use.)**

4.2 Transformer ownership discussed. **(John Novotny to look into this with "woody" of CEP.)**

4.3 Steve deloye concerned about what site lighting would be after buildings are down. **Dan Downer Said he has Gigliotti Electric pulling site one lights off so as to reinstall.**

4. Royal is bringing in a small trailer. Location will be east side of bld'g #52 out side of fence line. **(Ge-am to provide power to location.)**

5. Concerns about gate being used by demolition contactors were raised. **(Dennis Arseneau to contact people at Ge legal group.)**

6. John Novotny concerned about contractors bidding on project. If same contractors that are doing GE CEP work get site one work, meting to be had with all parties to resolve any issues.

7. Bill pike will be out of project for a week or so. GE AM personal to help out with daily permits and other items that would arise.

8. Phone line at oil water separator to be investigated that they will still be hooked up after demo. **(Dale LaRoche**

9. **to investigate.)**

10. Power is off except 13800 in two locations. B-109 mezzanine and outside load center east of building #109.

Next meeting to be Tuesday 4/12/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by

Daniel Downer

Facilities projects

GE- Advanced Materials

cc: all attendees

Bob Lamb, Joe Choon

4-12-2005

SITE ONE DECOMMISIONING Project Meeting Minutes

Meeting # 5

Attendees:

Dan Downer – Hill Engineering

Steve Deloye– GEAM

Dale Laroche--GEAM

Joe Choon-GE-AM

Dennis Arseneau-GEAM

Bruce Eulan—BBLES

Dave Gerber--BBLES

John Novotny-GE CEP

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #3
- Review status of liquid removals
- Review project schedule
- Review asbestos Contractor Status
- Review building permit
- Review disposal cost and record keeping
- Reviewed Elevator in Building #109
- Reviewed Power shut down

Next steps / action items

Items Discussed

2.5 Building #114; a/c unit CFC's are removed. Bruce of BBL to get John Novotny results after 50 samples are accumulated. Bruce of BBL said that the test results should be back next week.

11. Steam trestle from buildings #51 east side via site one buildings to Merrill road: question asked about asbestos. (BBL's B. Eulin to have ATC investigates and gives report for next meeting. **(Not done yet, Bruce of BBLES to have ATC lock into a date to do.)**

3.1 Asbestos 10 Day state and federal Notification process started by BBL and Royal. Notification to be completed for work to start after 4/13/05. **(Mobilization of4 days and start work next week.)**

2. Elevator in Building #109: Bay state elevator completed removal of car and royal removed oil from hydraulic shaft and reservoir. (John Novotny will need to notify if any leakage was detected.)**(Bruce Eulian of BBLES. To probe shaft caisson.)**

3. Question of trucking process discussed: BBL said about 10 to 15 trucks per day when trucking starts.

BBL will contact waste management to send required trucks, weight in empty at east street scale that is manned by BBL personal. Trucks to travel east on Merrill road to plastics are and enter site at gate #51 and load to composites using on board truck scales. Trucks will transport to east street scales to be weighed out. Copies of weight slips go to Dan Downer each day of any trucking. Onyx to get pre approval for Manifest. Bruce to set up. **(Follow same protocol as GE- CEP.)**

6. Power investigation in manhole at building #119 via tunnel to manhole at building #108 near saw, to be investigated by Dale, Joe, and Dan Downer. Bill Pike to sniff hole and follow confined space entry protocols. (Investigation done and Asbestos in B-108 vault.) **(GE-CEP has taken the responsibility of manhole asbestos.)**

5. Storm drain in site one area to have filter fabric installed prior to any demolition work. **(D. Downer of GE-AM has issued a drawing in demolition bid specs.)**

6. Power shut off is complete as of Saturday 4/9/05. **Temporary power still live as marked.**

In buildings #110 and #114 for asbestos work.

4. Royal is bringing in a small trailer. Location will be east side of bld'g #52 out side of

fence line. Ge-am to provide power to location. **(Bruce of BBLES to ask Royal what power load will be.)**

8. Phone line at oil water separator to be investigated that they will still be hooked up after demo. **(Dale LaRoche)**

New Business:

5.1 The issues of using a crusher were raised again. John Novotny discusses many issues and would have to talk with his boss and get back to us on findings.

5.2 oils removal status: per Bruce of BBLES royal should be complete by 4/22/05

5.3 trenches, floor drains, and sumps should be all cleaned also by end of next week 4/22/05.

5.4 preliminary results of B-#114 show some low levels. Cost for disposal will increase.

5.5 preliminary RFP for site one demolition given to D. Downer for review.

5.6 letter of name change for billing given to D. Downer to have Dennis A. to sign off on.

Next meeting to be Tuesday 4/19/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by

Daniel Downer

Facilities projects

GE- Advanced Materials

cc: all attendees

Bob Lamb

4-19-2005

SITE ONE DECOMMISIONING Project Meeting Minutes

Meeting # 6

Attendees:

Dan Downer – Hill Engineering

Steve Deloye– GEAM

Dale Laroche--GEAM

Bill Pike--GEAM

Bruce Eulian—BBLES

John Novotny-GE CEP

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #5
- Review status of liquid removals
- Review project schedule
- Review asbestos Contractor Status
- Review building permit
- Review disposal cost and record keeping

Reviewed Power shut down

Next steps / action items

Items Discussed

2.5 Building #114; a/c unit CFC's are removed. Bruce of BBL to get John Novotny results after 50 samples are accumulated. Bruce of BBL said that the test results should be back next week.

11. Steam trestle from buildings #51 east side via site one buildings to Merrill road: question asked about asbestos. BBL's B. Eulian to have ATC investigates and gives report for next meeting. Not done yet, Bruce of BBLES to have ATC lock into a date to do. **(4/25/05 per Bruce Eulian. Bill pike to get lift.)**

3.1 Asbestos work **by royal has started as of 4/14/05**

2. Elevator in Building #109:**(Bruce Eulian of BBLES. To probe shaft caisson.)**

6. Power shut off is complete as of Saturday 4/9/05. **Temporary power still live as marked.**

In buildings #110 and #114 for asbestos work.

4. Royal is bringing in a small trailer. Location will be east side of bld'g #52 out side of fence line. Ge-am to provide power to location. **(Bruce of BBLES to ask Royal what power load will be.)**

8. Phone line at oil water separator to be investigated that they will still be hooked up after demo. **(Dale Loroche said it was cut by mistake and will be reconnected next week.)**

5.1 The issues of using a crusher were raised again. John Novotny discusses many issues and would have to talk with his boss and get back to us on findings. Preliminary testing approve to test 10 steel and 10 concrete areas in site one. **(BBLES to give proposal to D. Arseneau this week.)**

5.2 oils removal status: per Bruce of BBLES royal should be complete by 4/22/05

5.3 trenches, floor drains, and sumps should be all cleaned also by end of next week 4/22/05.

5.4 preliminary results of B-#114 show some low levels. Cost for disposal will increase.

New Business:

6.1 Bill Pike to talk with Bob Lamb on the use of JLG lift to investigate trestle asbestos.

6.2 Results of solids and liquids removed from trenches and sumps to be review with J. Novotny. If 50 ppm or higher. There will be no need to do any further test.

6.3 J. Novotny said to have Royal contact him to do building #108 electrical vault and manholes asbestos removal. CEP to cover cost for these tasks.

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions.

5. Dan Downer requested that building #119 toilet room area be unlocked each morning for workers to use during site one demo project time frame.
6. BBLES and D. Downer held the walk thru for building demolition portion of site one.

Two contactors showed up. BBLES to more contractors to bid on the project this week.

Bruce Eulian to contact Maxymillion and others on list.

7. Dale Loroche to get temporary power to building #114 by 4/20/05.

8. J. Novotny doing letter for 4 to 5 more digs for GE-AM this week to the EPA.

6.9 Traffic plan discussed for D.R.Billing digging this week. Steve Deloye OK with it.

Email sent out to notify all parties.

Next meeting to be Tuesday 4/26/05 at 51/BBL area @9:00 **Held by Bruce Eulian.**

Dan Downer on vacation until 4/28/05.

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by

Daniel Downer

Facilities projects

GE- Advanced Materials

cc: all attendees

Bob Lamb

5-03-2005

SITE ONE DECOMMISIONING Project Meeting Minutes

Meeting # 8

Attendees:

Dennis Arseneau – GE-AM

Steve Deloye– GEAM

Dale Laroche--GEAM

Bill Pike--GEAM

Bruce Eulian—BBLES

Dave Gerber-BBLES

John Novotny-GE CEP

Dan Downer-GE-AM

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #6
- Review environmental removals
- Review project schedule
- Review asbestos removals
- Review disposal cost and record keeping
- Next steps / action items

Items Discussed

11. Steam trestle from buildings #51 east side via site one buildings to Merrill road: question asked about asbestos. BBL's B. Eulian to have ATC investigates and provides report for next meeting. **Lift to be rented By ATC to look at line. B. Eulin.**

3.1 Royal has begun Site 1 asbestos abatement work. A crew of 8 now mobilizing

Building #114 should be complete in 2wks, Building #111also started.

2. Elevator water samples in Building #109 **were non-detect**

6. ***Temporary power still live as marked.***

In buildings #110 and #114 for asbestos work.

4. GE-AM to provide power for work trailer near Bldg #52. ***(In progress) D. Loroche***

3. All trenches, floor drains, and sumps cleaned. ***(Test results by next week)***

6.2 Results of solids and liquids removed from trenches and sumps to be review with J. Novotny. If 50 ppm or higher. There will be no need to do any further test.

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions.

6.6 BBLES and D. Downer held the walk thru for building demolition portion of site one.

Two contactors showed up. BBLES to more contractors to bid on the project this week.

Bruce Eulian to contact Maxymillion and others on list.

8. Letter to the EPA. J. Novotny said letter sent 4/27/05.

New Business

7.1 new schedules given to Dennis Arseneau

7.2 royal all done with liquid removals

7.3 TV and monitors in building to be taken out by GE-AM.

7.4 building demolition bids came back and Sabre Corp. was low bidder.

BBLES to notify them and start the permitting process.

Dave Gerber to send Letters to go out to high bidders.

7.5 BBLES to give letter for a p.o. request to D. Downer.

7.6 Large water tank near Building #51: **Steve Deloye, Bill Pike** investigation on interior of tank

For solids. If found sample to be taken.

7.7 Paint chip samples still being taken and should have 12 to 14-sample result by Friday.

7.8 Onyx bills thru J. Novotny then given to Dan Downer for review.

Next meeting to be Tuesday 5/10/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by

Dan Downer

Facilities and Services

GE- Advanced Materials

cc: Attendees

Bob Lamb

To: Bruce Eulian

Cc: Jason Lannie, John Levesque, John Novotny

From: Pete Varley – ONYX Environmental

Date: May 6, 2005

Subject: Sampling of East St. Area II LNAPL From Tank J in Building 64.

Bruce,

Currently there is 9' 1/2" of LNAPL in Tank J within Building 64. We need a **representative** sample of the entire column of waste within the tank, in order to recert the profile. Please contact John Powers (X6709) or Jim Roth (X2195) with OB&G to coordinate the opening of this vessel to obtain the sample.

Please have the representative sample analyzed for: Total Metals (Method 6010 – Specifically Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium and Silver); VOC's (Method 8260B); SVOC's (Method 8270); Flash Point (Method 1010) and PCB's (Method 8082).

We would like to have results on hand by May 20, 2005 as to ensure we don't run into a storage issue.

Please note that historical analytical has detected the following concentrations of hazardous materials:

1. PCBs 3600 PPM

2. Benzene 10 PPM

3. Chlorobenzene 76 PPM

4. Xylene 40 PPM

BBL Project Number:

Lab & PO#: BBL Choice

Note:

Turnaround: Standard Turnaround

Final Copy to: Peter Varley at Fax Number (413) 494-5695

Invoice To:

HQ Facilities and Services

Dan Downer

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5-17-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 10
Attendees:
Dan Downer – Hill Engineering
Steve Deloye– GEAM
Bill Pike--GEAM
Bruce Eulian—BBLES
John Novotny-GE CEP
Dennis Arseneau—GEAM
David Gerber – BBLES
Lou Jefts-- BBLES

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #8
- Review status of liquid removals (complete)
- Review project schedule
- Review asbestos Contractor Status
- Review building permit
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

3.6 Power shut off is complete as of Saturday 4/9/05. **Temporary power still live as marked. In buildings #110 and #114 for asbestos work.**

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions (**on going).**

7.6 Large water tank near building #51. BBLES to take sample of solids if they exist at bottom of tank. GE-AM to look into tank to determine water height to man way elevation.

7.7 Paint chip samples. Upper mangers looking at data to determine next steps. **Dennis Arseneau to contact Mike O'Donnell**

9.1 Table of solids and liquids to be given to John Novotny and Dan Downer. **(Handed out at meeting.)**

9.2 asbestos found in building #109 eaves on both sides. **BBLES** to give Dan Downer change order letter. Also high pipe trestle from #51 to #109 has 85' to 100' of asbestos too.

New Business

10.1 BBLES Daily personal log in book at Building #51 has not been use. **The book location has moved to Royals trailer.**

10.2 Sanitary Sewer plugging of mains: extra approved, Dan Downer to show Royal and BBLES the manhole locations so as to plug them prior to building demolition.

10.3 EPA approval for five digs has been made. Per John Novotny.

10.4 Schedule status is improving. Asbestos interiorly should be completed by end of next week and exterior started. Building demolition to be week of June 13th-20th

10.5 P.O. number for task #4 demolition of buildings given to BBLES. Personal of sabors in town getting permitting.

10.6 John Novotny requested that GE-AM people investigate power in tunnel of Building #108 to #119. Dale L. on vacation this week.

10.7 Trucking demolition items in and out of site discussed.

10.8 Helipad construction discussed. Hill engineers doing soil fill quantities and design.

10.9 Air monitoring for Building demo discussed. BBLES asked if they could do there own air monitoring. After meeting it was determined that BEC was to be used. BBLES to contact them.

10.10 BBLES asked what hydrants could be used for dust suppression during demolition of buildings. Steve Deloye said there should be enough.

Next meeting to be Tuesday 5/23/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
Daniel Downer
Facilities projects
GE- Advanced Materials

cc: all attendees
Bob Lamb

HQ Facilities and Services

Dan Downer

Facilities and Services

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DANIEL.DOWNER@GE.com

5-24-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 11
Attendees:
Dan Downer – Hill Engineering
Steve Deloye– GEAM
Bill Pike--GEAM
Bruce Eulian—BBLES
Dennis Arseneau—GEAM
Dale Loroche—GEAM

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #10
- Review status of liquid removals (complete)
- Review project schedule
- Review asbestos Contractor Status
- Review building permit
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

3.6 Power shut off is complete as of Saturday 4/9/05. Temporary power still live as marked. In buildings #110 and #114 for asbestos work. **Dale Loroche to turn off power in building #125 and cut.**

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions (**on going).**

7.6 Large water tank near building #51. BBLES to take sample of solids if they exist at bottom of tank. GE-AM to look into tank to determine water height to man way elevation. **Bob Lamb to be contacted to shut off secondary and third valves down the supply line.**

10.2 Sanitary Sewer plugging of mains: extra approved, Dan Downer to show Royal and BBLES the manhole locations so as to plug them prior to building demolition. **(On going)**

10.4Schedule status is improving. Asbestos interiorly should be completed by end of next week and exterior started. Building demolition to be week of June 13th-20th

10.5 P.O. number for task #4 demolition of buildings given to BBLES. Personal of sabors in town getting permitting. **(Dennis signed paper work at meeting.)**

10.6 John Novotny requested that GE-AM people investigate power in tunnel of Building #108 to #119. Dale L. Asbestos air born in the vault, **Dan and Dale investigating how to deem power dead.**

10.8 Helipad construction discussed. Hill engineers doing soil fill quantities and design. **(On going)**

10.9 Air monitoring for Building demo discussed. BBLES asked if they could do there own air monitoring. After meeting it was determined that BEC was to be used. BBLES to contact them. **(On going, BBLES went over locations of monitor devises.)**

10.10 BBLES asked what hydrants could be used for dust suppression during demolition of buildings. Steve Deloye said there should be enough.

New Business:

11.1 Team AVS per Dale L. to start this next week to do camera moves.

11.2 Bill Pike and Steve Deloye to have a meeting with Royal to go over procedures.

11.3 fence around the east side of site one during demolition of building discussed. Maybe do demo of steam line to building #120 first.

11.4 salt building: talked about where to relocate salt to and the new building in closer. Dennis Arseneau said he and Rudy would take this task.

11.5 Dennis Arseneau asked if there was anything left to salvage with in site one? This is the last chance to save items.

Next meeting to be Tuesday 5/31/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
Daniel Downer
Facilities projects
GE- Advanced Materials

cc: all attendees
Bob Lamb

HQ Facilities and Services

Dan Downer

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5-31-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 12
Attendees:
Dan Downer – Hill Engineering
Bill Pike--GEAM
Bruce Eulian—BBLES
Dennis Arseneau—GEAM
Dale Loroche—GEAM

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #10
- Review status of liquid removals (complete)
- Review project schedule
- Review asbestos Contractor Status
- Review building permit
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

3.6 Power shut off is complete as of Saturday 4/9/05. Temporary power still live as marked. In buildings #110 and #114 for asbestos work. Dale Loroche to turn off power in building #125 and cut wires in building #125. **Boxes to be painted green to deem lines dead.**

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions 2wks from 6-03-05.

7.6 Large water tank near building #51. **Bob Lamb to be contacted to shut off secondary and third valves down the supply line. (Completed 6-02-05)**

10.2 Sanitary Sewer plugging of mains: extra approved, Dan Downer to show Royal and BBLES the manhole locations so as to plug them prior to building demolition. **(On going)**

10.4Schedule status is improving. Asbestos interiorly should be completed by end of next week and exterior started. Building demolition to be week of June 13th-20th

10.6 John Novotny requested that GE-AM people investigate power in tunnel of Building #108 to #119. Dale L. Asbestos air born in the vault, **Royal to clean asbestos next couple of week and then Dale I. can meter power.**

10.8 Helipad construction discussed. Hill engineers doing soil fill quantities and design. **Quantities Given to royal and billings for preliminary costing.**

10.9 Air monitoring for Building demo discussed. BBLES asked if they could do there own air monitoring. After meeting it was determined that BEC was to be used. **Bruce of BBLES to have a contract for next week.**

11.1 Team AVS per Dale L. to start this next week to do camera moves. **(On going.)**

11.3 fence around the east side of site one during demolition of building discussed. Maybe do demo of steam line to building #120 first.

11.4 salt building: **Moved On 6-1-05 to building #121.**

11.5 Dennis Arseneau asked if there was anything left to salvage with in site one? This is the last chance to save items. **Bill pike to move barrels out of building #115.**

New Business:

12.1 BBLES safety personal to be here Thursday 6-2-05 for a walk around site one.

12.2 Photos of building #114 accident to be given to Dennis Arseneau to review.

12.3 More signage to be placed around site one and an orange fence erected by Royal.

12.4 BBLES "Bruce " to look into any additional permitting required for the high trestle line.

12.5 Dennis discussed that a pavilion maybe planned to be in the grassy area where the north tank farm in now. Dan to check in to FAA issues with Diane Dowd.

12.6 Items in pump hose near building #115 to look at after meeting and dispose items if needed.

12.7 Bill pike to look into removing the debris from road sweeping near Building #51.

12.8 Dan to do a cost evaluation of project money to date.

12.9 Dan Downer to talk to tom Bednars about the building #51 pumps and gas tank.

12.10 Discussion about remaining item to be removed from the high trestle. Phone hub at b-#118 lighting feed from b-#51.

Next meeting to be Tuesday 5/31/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
Daniel Downer
Facilities projects
GE- Advanced Materials

cc: all attendees
Bob Lamb

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6-07-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 13
Attendees:
Dan Downer – Hill Engineering
Bruce Eulian—BBLES
Steve Deloye—GEAM
Dale Loroche—GEAM

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #10
- Review status of liquid removals (complete)
- Review project schedule
- Review asbestos Contractor Status
- Review building permit
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

3.6 Power shut off is complete as of Saturday 4/9/05. Temporary power still live as marked. In buildings #110.

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions 2wks from 6-03-05.

7.6 Large water tank near building #51. **Water to be pumped out. D.Loroche to have this done.**

10.2 Sanitary Sewer plugging of mains: extra approved, Dan Downer to show Royal and BBLES the manhole locations so as to plug them prior to building demolition. **(Started 6/7/05,On going)**

10.4Schedule status is improving. Asbestos interiorly should be completed by end of next week and exterior started. Building demolition to be week of June 13th-20th **(on schedule)**

10.6 John Novotny requested that GE-AM people investigate power in tunnel of Building #108 to #119. Dale L. Asbestos air born in the vault, Royal to clean asbestos next couple of week and then Dale I. can meter power. **(D. Loroche getting spike test devise.)**

11.3 fence around the east side of site one during demolition of building discussed. Maybe do demo of steam line to building #120 first. **(Started 6/8/05. still waiting for finial building permit.)**

11.5 Dennis Arseneau asked if there was anything left to salvage with in site one? This is the last chance to save items. **Bill pike to move barrels out of building #115 And D. Loroche wanted Items in building #109 mezzanine load center.**

12.1 BBLES safety personal to be here Thursday 6-2-05 for a walk around site one. **Bruce Eulin to have Tom Burgess issue a report.**

12.4 BBLES "Bruce " to look into any additional permitting required for the high trestle line. **(On going).**

12.5 Dennis discussed that a pavilion maybe planned to be in the grassy area where the north tank farm in now. Dan to check in to FAA issues with Diane Dowd.

12.6 Items in pump hose near building #115 to look at after meeting and dispose items if needed. **(Onyx aware of this task.)**

12.7 Bill pike to look into removing the debris from road sweeping near Building #51. **(On going).**

12.8 Dan to do a cost evaluation of project money to date. **(Completed and given to D. Arseneau.)**

12.9 Dan Downer to talk to tom Bednars about the building #51 pumps and gas tank. **(Dennis Arseneau to walk around with Dan Downer to identify items.**

12.10 Discussion about remaining item to be removed from the high trestle. Phone hub at b-#118 lighting feed from b-#51. **(Dale and Joe to cut off remaining utilities).**

New Business:

13.1 Royal has requested that they will be coming in to site @ 5:00 Am because of the heat with-in the containment around building #110.

13.2 Royal starting to cut the building sanitary line in building #114.

13.3 Sabre demolition of steam lines to start this week and building #114 demo to start next week.

13.4 Temp. Power to Building #109 Honeywell panel to be deemed dead by D. Loroche.

13.5 Site one area has been secured with fencing and more signage.

13.6 Bruce Eulin, John Leveuqe, and D. Downer to walk around to identify manholes to be PP-poly, poly or FF filter fabric or abandoned.

13.7 Gary Reynolds to walk around site one to remove all remaining fire extinguishers. Steve Deloye to inform him.

Next meeting to be Tuesday 6/14/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
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GE- Advanced Materials

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Bob Lamb

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6-14-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 14
Attendees:
Dan Downer – Hill Engineering
Bruce Eulian—BBLES
Steve Deloye—GEAM
Dale Loroche—GEAM
Dennis Arseneau—GEAM

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #10
- Review status of liquid removals (complete)
- Review project schedule
- Review asbestos Contractor Status
- Review building permit
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

3.6 Power shut off is complete as of Saturday 4/9/05. Temporary power still live as marked. In buildings #110.

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions 2wks from 6-03-05. **(On Going)**

7.6 Large water tank near building #51. Water has been pumped out. **Bruce of BBLES to look at remains to see about testing.**

10.2 Sanitary Sewer plugging of mains: **Buildings completed and manholes still to be plugged.**

10.4 Schedule status of Building demolition to be week of June 13th-20th.building #114 to be first and #115,113,112 to follow.

10.6 Power in tunnel of Building #108 to #119. Royal to clean asbestos and then Dale Loroche can meter power. **(D. Loroche to talk with woody.)**

11.5 Dennis Arseneau asked if there was anything left to salvage with in site one? This is the last chance to save items. **D. Loroche wanted Items in building #109 mezzanine load center.**

12.4 BBLES "Bruce " to look into any additional permitting required for the high trestle line. **(On going).**

12.5 Dennis discussed that a pavilion maybe planned to be in the grassy area where the north tank farm in now. Dan to check in to FAA issues with Diane Dowd. **(On Going)**

12.7 Bill pike to look into removing the debris from road sweeping near Building #51. **(On going).**

12.9 Dan Downer to talk to Tom Bednars about the building #51 pumps and gas tank. (Dennis Arseneau to walk around with Dan Downer to identify items. **(Dennis to Schedule meeting).**

12.10 Remaining item to be removed from the high trestles. (All items terminated).

13.3 Sabre demolition of steam lines: completed from Merrill road to Building #115.

13.7 Gary Reynolds to walk around site one to remove all remaining fire extinguishers. Steve Deloye to inform him. **(Completed 6/15/05)**

New Business:

14.1 Bruce of BBLES submitted bills to Dan Downer.

14.2 Bruce Eulin of BBLES to set up dumpsters for Sabre Inc.

14.3 Dale Loroche to remove load center Breakers from Building #114. They may have some asbestos parts on them. (Completed 6/16/05)

14.4 Tom Burgess of BBLES to be here next week for safety review, Bruce Eulin to set up

14.5 BEC would like to put an additional air monitor unit in the north side of GEAM site. Dale to look at providing power to them.

14.6 Water in the driveway to investigated and filter fabric to be replaced or cleaned off if needed.

Next meeting to be Tuesday 6/28/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
Daniel Downer

Facilities projects
GE- Advanced Materials

cc: all attendees
Bob Lamb

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6-21-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 15
Attendees:
Dan Downer – Hill Engineering
Bruce Eulian—BBLES
Steve Deloye—GEAM
Bill Pike—GEAM
Dennis Arseneau—GEAM
Dane Morris-Sabre Demolition Corp.
John Novotny-GE-CEP

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #10
- Review project schedule
- Review asbestos Contractor Status
- Review building permit
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

3.6 Power shut off is complete as of Saturday 4/9/05. **Temporary power still live as marked. In buildings #110.**

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions 2wks from 6-03-05. **(On Going)**

7.6 Large water tank near building #51. Water has been pumped out. **Bruce of BBLES said, "Looks like rust, and no sampling would need to be done."**

10.2 Sanitary Sewer plugging of mains: Buildings completed and manholes still to be plugged. (Work to start next week of 6/2705-7/1/05.

10.6 Power in tunnel of Building #108 to #119. Royal to clean asbestos and then Dale Loroche can meter power. **(D. Loroche said woody has hydraulic devise for Dale L. to use to cut power.)**

11.5 Dennis Arseneau asked if there was anything left to salvage with in site one? This is the last chance to save items. **D. Loroche wanted Items in building #109 mezzanine load center.**

12.5 Dennis discussed that a pavilion maybe planned to be in the grassy area where the north tank farm in now. Dan to check in to FAA issues with Diane Dowd. **(On Going)**

12.9 Dan Downer to talk to Tom Bednars about the building #51 pumps and gas tank. (Dennis Arseneau to walk around with Dan Downer to identify items. **(Dennis to Schedule meeting).**

New Business:

15.1 Tom Burgess of BBLES to be here next week for safety review, Bruce Eulin to set up.

15.2 Building Permit issues have come up. John Novotny is submitting a letter to city of Pittsfield to help the process along.

15.3 Bruce Eulin of BBLES to set up dumpsters for Sabre Inc. **(Bruce of BBLES Said we will get 6 a day from here on in.)**

15.4 discussions about what to do at areas where foundation walls will remain and drop offs will exist. Dan Downer to work out ways to resolve.

15.5 Bill Pike and Steve deloye are to walk around and come up with new locations for sweeping debris and salt storage areas.

15.6 Bill Pike to look at building #115 one last time because items have found their way in to building by royal for storage.

15.7 Bill pike said that he would like Sabre to start using the hydrant east of site one because its city water and also would not be in the way for truck traffic running it over.

Next meeting to be Tuesday 7/5/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
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Bob Lamb

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7-05-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 17
Attendees:
Dan Downer – Hill Engineering
Bruce Eulian—BBLES
David Gerber-BBLES (via: phone)
Bill Pike—GEAM
Dennis Arseneau—GEAM
Dale Loroche-GEAM
Steve Deloye-GEAM

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #16
- Review project schedule
- Review asbestos Contractor Status
- Review building permit
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions 2wks from 6-03-05. **(Ready for review.)**

10.2 Sanitary Sewer plugging of mains: Buildings completed and manholes still to be plugged. (Work to start next week of **Wednesday 7/06/05. Confined space permitting required.**

10.6 Power in tunnel of Building #108 to #119. Royal to clean asbestos and then Dale Loroche can meter power. **(D. Loroche to set up with Contractor to be here 7-11-05 for spike testing.)**

12.9 Dan Downer to talk to Tom Bednars about the building #51 pumps and gas tank. (Dennis Arseneau to walk around with Dan Downer to identify items. **(Dennis to Schedule meeting**

With John Novotny).

15.1 Tom Burgess of BBLES was here and had no issues.

15.4 discussions about what to do at areas where foundation walls will remain and drop offs will exist. Dan Downer to work out ways to resolve. (**Bruce of BBLES to have fence install around elevated areas.)**

15.5 Bill Pike and Steve deloye are to walk around and come up with new locations for sweeping debris and salt storage areas. **(Dumpster to be uses and located at building #120 area.)**

16.1Site one demolition tonnage matrix of weight discussed, D Downer to send a copy to D. Arseneau.

16.2 Discussion of number of demolition boxes that are coming to the site every day. Dan Downer and Dennis to contact CWM Chem. Services to ask for more each week, (**60 yard trucks to come and live load. Maybe (2) truck each week.**

New Business:

17.1 Dennis Arseneau requested that Sabre each week should look for tripping hazards specifically: rebar and rough edges.

17.2 Payment has not yet been received by BBLES. Dan Downer to check on this issue.

Next meeting to be Tuesday 7/11/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
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Facilities projects
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7-12-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 18
Attendees:
Dan Downer – Hill Engineering
Bruce Eulian—BBLES
David Gerber-BBLES
Bill Pike—GEAM
Dale Loroche-GEAM
Steve Deloye-GEAM

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #17
- Review project schedule
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions. **(Ready for review.)**

12.9 Dan Downer to talk to Tom Bednars about the building #51 pumps and gas tank. (Dennis Arseneau to walk around with Dan Downer to identify items. **(Dennis to Schedule meeting With John Novotny).**

15.1 Tom Burgess of BBLES was here and had no issues.

16.1Site one demolition tonnage matrix of weight discussed, D Downer to send a copy to D. Arseneau. **(Totals are getting better and if we have the same amount of trucks from here on in we should hit September 1st timetable.)**

17.1 Dennis Arseneau requested that Sabre each week should look for tripping hazards specifically: rebar and rough edges.

17.2 Payment has not yet been received by BBLES. Dan Downer to check on this issue.

New Business:

18.1 Power in building #108 vault is totally dead and asbestos abatement by Royal can start.

18.2 hydrant near building #120 will be the solo water source for dust control. Sabre has new hose with a "Y" connector now.

18.3 Sabre to install a perimeter barricade around elevated foundation that remains

18.4 Bruce and Dan to let Sabre know about Catch basin filter fabric reinstalled.

18.5 Sabre to take down pipeline and building #110 this weekend. Dan Downer to inform gate #130 for traffic issues.

18.6 Dale Loroche discussed the (4) 4" conduits north of building #110. Walk site to determine best termination.

18.7 Dan and Steve deloye called John Novotny of GE-CEP about the use if any for the #108 electrical vault. John had no use for it after asbestos abatement is done. The vault is to be filled in.

Next meeting to be Tuesday 7/119/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
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cc: all attendees
Bob Lamb

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7-19-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 19
Attendees:
Dan Downer – Hill Engineering
Bruce Eulian—BBLES
David Gerber-BBLES
Dennis Arseneau-GEAM
Steve Deloye-GEAM

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #18
- Review project schedule
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions. Ready for review. (**Updating as necessary**)

12.9 Building #51 pumps and gas tank. **(Bruce Eulin to have Onyx check tank for any liquids remaining and if so pump out. Also get a price from Sabre to remove small brick building and gas tank.)**

16.1Site one demolition tonnage matrix of weight discussed, D Downer to send a copy to D. Arseneau. Totals are getting better and if we have the same amount of trucks from here on in we should hit September 1st timetable.**(1,000 ton a week is the pace to maintain.)**

18.3 Sabre to install a perimeter barricade around elevated foundation that remain. **(As elevated areas are exposed they will be barricaded.)**

18.4 Bruce and Dan to let Sabre know about Catch basin filter fabric reinstalled. **(On going every day.)**

18.5 Sabre to take down pipeline and building #110 this weekend. Dan Downer to inform gate #130 for traffic issues. **(Completed)**

18.6 Dale Loroche discussed the (4) 4" conduits north of building #110. **(Save two inner most conduits.)**

18.7 Building #108 electrical vault. The vault is to be filled in with clean material after pad is cleared.

New Business:

19.1 Tom Burgess of BBLES to make next visit for safety review the week of 7/25/05.

19.2 Dumpster loads are not yet going up to 17-ton min. Dan and Bruce to talk to Scott of Sabre inc. to load ½ steel and top of with heavy debris.(this method was 16.8 ton on first dumpster out Wednesday morning 7/19/05.

19.3 Electrical Conduit to large water tank to be cut back to building #51. Dan talked to Bob Lamb he was going to have Wilson Electric get it done.

19.4 Bruce Eulin talked to John Novotny about the air monitoring and we can end after all buildings are on the ground minus the large water tank.

19.5 large water tank to come down week of 7/25/05. Parking area to be blocked off.

Next meeting to be Tuesday 7/26/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
Daniel Downer
Facilities projects
GE- Advanced Materials

cc: all attendees
Bob Lamb

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7-26-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 20
Attendees:
Dan Downer – Hill Engineering
Bruce Eulian—BBLES
Dennis Arseneau-GEAM
Steve Deloye-GEAM

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #19
- Review project schedule
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions. Ready for review. (**Updating as necessary**)

12.9 Building #51 pumps and gas tank. Bruce Eulin to have Onyx check tank for any liquids remaining and if so pump out. Also get a price from Sabre to remove small brick building and gas tank. **(On going, if any liquid is left over, onyx will remove it.)(Steve Deloye to investigate GE-AM) method to dispose of.**

16.1Site one demolition tonnage matrix of weight discussed, (update of avenge weekly weights. Being looked at for timing.) Only 500 tones removed this last week. This rate should pick up next week.

18.3 Sabre to install a perimeter barricade around elevated foundation that remains. **(As elevated areas are exposed they will be barricaded.)**

18.4 Bruce and Dan to let Sabre know about Catch basin filter fabric reinstalled. **(On going every day.)**

18.6 Dale Loroche discussed the (4) 4" conduits north of building #110. **(Save two inner most conduits.)**

18.7 Building #108 electrical vault. The vault is to be filled in with clean material after pad is cleared. **(Per Bill Pike we may be able to use roof ballast from building #125)**

19.1 Tom Burgess of BBLES to make next visit for safety review the week of 7/25/05.

19.2 Dumpster loads are not yet going up to 17-ton min. Dan and Bruce to talk to Scott of Sabre inc. **(Average per dumpster up to 13 ton from 10 ton last week.)**

19.3 Electrical Conduit to large water tank to be cut back to building #51. Dan talked to Bob Lamb he was going to have Wilson Electric get it done. **(There is a steam line going to the tank also. Dan Downer to talk to Bob lamb to get cut.)**

19.5 large water tank to come down week of **8/1/05**. Parking area to be blocked off. **(Timing extended.)**

New Business:

20.1 CWM waste and John Novotny to be contacted so as to better understand invoices relative to original tonnage cost.

20.2 Schedule was discussed: Bruce Eulin said that we should be on track for September based on the truck quantity remains the same.

20.3 Sabre to patch holes in building #51 soon. Bruce Eulin to inform Scott of Sabre.

20.4 Question asked about how much fence is coming down on the west side of site one. The decision was made to take all of it down from intersection of loading dock at building 105/125 to building 52/53 and 119.

Next meeting to be Tuesday 8/2/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
Daniel Downer
Facilities projects
GE- Advanced Materials

cc: all attendees
Bob Lamb

8-02-2005

SITE ONE DECOMMISIONING Project Meeting Minutes

Meeting # 21

Attendees:

Dan Downer – Hill Engineering

Bruce Eulian—BBLES

Dale Loroche-GEAM

Steve Deloye-GEAM

Bill Pike-GEAM

David Gerber--BBLES

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #20
- Review project schedule
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions. Ready for review. **(Updating as necessary)**

9. Building #51 pumps and gas tank. Bruce Eulin to have Onyx check tank for any liquids remaining and if so pump out. Also get a price from Sabre to remove small brick building and gas tank. **(On going, if any liquid is left over, onyx will remove it.)(Steve**

Deloye to investigate GE-AM) method to dispose of.

16.1Site one demolition tonnage matrix of weight discussed, update of avenges weekly weights. Being looked at for timing. 588 tones removed this last week. **(Schedule of 4 to 5weeks left.)**

18.3 Sabre to install a perimeter barricade around elevated foundation that remains. **(As elevated areas are exposed they will be barricaded.)**

18.4 Bruce and Dan to let Sabre know about Catch basin filter fabric reinstalled. **(On going every day.)**

18.6 Dale Loroche discussed the (4) 4" conduits north of building #110. **(Save two inner most conduits.)**

18.7 Building #108 electrical vault. The vault is to be filled in with clean material after pad is cleared. **(Per Bill Pike we can use roof ballast from building #125)**

19.1 Tom Burgess of BBLES to make next visit for safety review the week of 7/25/05. **(No issues.)**

19.5 large water tank to come down week of 8/1/05. Parking area to be blocked off. **(On going.)**

20.3 Sabre to patch holes in building #51 soon. **Bruce Eulin to inform Scott of Sabre.**

New Business:

21.1 Oil in gate operators near building #119 to be removed by Royal prior to demo of fence.

21.2 Dale Loroche to disconnect power to light tower between building #119 and #59. Ballast to be removed when tower in on the ground.

21.3 Sabre to clean up driveway and barricade fencing around site.

21.4 parking lot to be cleaned upped near old building #108 after water tank is taken down.

21.5 Hydrant near Building #51 to be used for tank demolition. Guards to be informed when using it.

21.6 per Bruce of BBLES, Sabre to have sweeper here next week. Road to wet down each day to keep truck traffic dust down.

21.7 Dave Gerber, Bruce and Dan to look over weight matrix after meeting.

Next meeting to be Tuesday 8/09/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by

Daniel Downer

Facilities projects

GE- Advanced Materials

cc: all attendees

Bob Lamb

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8-09-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 22
Attendees:
Dan Downer – Hill Engineering
Bruce Eulian—BBLES
Dale Loroche-GEAM
Bill Pike-GEAM
David Gerber—BBLES (via phone)

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #21
- Review project schedule
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions. Ready for review. (**Updating as necessary**)

18.3 Sabre to install a perimeter barricade around elevated foundation that remains. (As elevated areas are exposed they will be barricaded.)

18.4 Bruce and Dan to let Sabre know about Catch basin filter fabric reinstalled. **(On going every day.)**

18.6 Dale Loroche discussed the (4) 4" conduits north of building #110. Save two inner most conduits. **(this work to at end of project during clean up.)**

18.7 Building #108 electrical vault. The vault is to be filled in with clean material after pad is cleared. Per Bill Pike Said we can use roof ballast from building #125. **(Bruce of BBLES to inform Sabre.)**

20.3 Sabre to patch holes in building #51 soon. **Bruce Eulin to inform Scott of Sabre.**

21.1 Oil in gate operators near building #119 to be removed by Royal prior to demo of fence.**(Bruce of BBLES to set up.)**

21.2 Dale Loroche to disconnect power to light tower between building #119 and #59. Ballast to be removed when tower in on the ground. **(Air line to be disconnected. Dale Loroche to take care of.)**

21.6 per Bruce of BBLES, Sabre to have sweeper here next week. Road to be wet down each day to keep truck traffic dust down.

New Business:

22.1 Tom Burgess of BBLES to make one more visit for safety review the of the site per Dave Gerber.

22.2 Large water tank is down. Some debre still left to pick up around tank foundation rim.

22.3 BBLES to get extra cost to Dan Downer for demolition of additional items.

22.4 Weights of demolition material are at 3925.3 Tons as of 8/05/2005. Snap shot looks as if there is 3 Weeks +/- left to finish removals.

22.5 Demolition cost forecast was discussed in great length at the beginning of meeting. Dennis asked Dave Gerber of BBLES to give a snap shot of his estimate. Dave Gerber gave a range of 1.1 to 1.35 million.

22.6 Dennis requested that we crunch the numbers for a estimate of cost based on the new data from Onyx and Saber's best estimate of remaining containers.

22.7 Sweeping was done by Rudy G. of old tank area by another contractor. Some sweepings still remain. **Bruce to talk to Sabre to do a sweeping again.**

22.8 Bruce of BBLES to start a punch list of tasks left to do.

22.9 BBLES scale house support person 's T&M cost needs to be upped 7,000 more for the remaining time. This is still a T&M task.

Next meeting to be Tuesday 8/16/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
Daniel Downer
Facilities projects
GE- Advanced Materials

cc: all attendees
Bob Lamb

8-30-2005

SITE ONE DECOMMISIONING Project Meeting Minutes

Meeting # 25

Attendees:

Dan Downer – Hill Engineering

Bill Pike-GEAM

Bruce Eulin—BBLES

Steve Deloye-GEAM

Dennis Arseneau—GEAM

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #24
- Review project schedule
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

18.4 Bruce and Dan to let Sabre know about Catch basin filter fabric reinstalled. **(On going every day.)**

22.4 Weights of demolition material are at **5479** Tons as of 8/30/2005. Snap shot looks as if there is 1 Weeks +/- left to finish removals. **Onyx reported 480 tons were removed last week.**

8. Bruce of BBLES discussed his punch list of tasks left to do. (**Dennis Arseneau went over tasks he felt remain.)**

Punch list items:

- Fill pits
- Remove filter fabric protecting storm drains
- Remove misc. rebar and projections
- Perforate pads
- secure area. Fence perimeter, foundation drops
- Remove any remaining foundations
- Fill in elevator shaft, remove waste water
- Discuss completion report. Ask John /CEP and Mike O'Donnell to review

Site Improvement Project

- Safety fill **(requested as extra from BBLES/Sabre)**
  - Install stone at water tower foundation

23.1 demolition cost forecast was discussed at meeting. Dave Gerber of BBLES to give a new snapshot of his estimate. Range of 1.3 to 1.4 million **(Dave Gerber Did not attend meeting this week, he was emailed new totals of invoices.)**

23.6 Dave Gerber said that at the end of project a final report would be submitted by BBLES. Dave Gerber to talk with John Novotny for his input. Dave Gerber to issue outline to Dennis and Dan. **See old item 22.8 comments.**

24.2 Fencing from buildings 105/106-court yard is being disposed of in the site one-demolition dumpsters. Bruce to inform Sabre. **(On going) Dan Downer to contact Rudy for timing.)**

3. Dave Gerber suggested that Contact be made through Onyx to ask CWM waste to submit all the billing as soon as possible. Bruce Eulin to Contact them. **(On going.)**

4. Dan to Talk with Dennis and Ann Burke because the 1 million dollar p.o. for CWM waste has gone over. **(Dan Downer to contact peter of Onyx.)**

New Business:

25.1 GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions. **(Copies given to BBL, GE-CEP, and GE Plastics.)**

25.2 Perimeter barricade around elevated foundation that remains. Dan Downer to get a cost to place stone in the elevated areas for safety reasons so as not to have any drop offs. Elevated areas in the 100 yr. Flood will be barricaded with fencing. Sabre to install using hay bails, stakes, and orange fencing.

25.3 Sabre to start to punch holes in foundation slabs every 25' x 25' this week.

25.4 Dan Downer to send Email to Onyx for BBLES final report.

25.5 landscaping plan has been given to CL Frank for options when the slabs are covered

25.6 GE to have meeting next week with JH Maxymillion for the start of new helipad.

25.7 Dan Downer has started the NOI paperwork for work in the 100 yr. Flood plan area near the slab of building 115 and 112.

Next meeting to be Tuesday 9/7/05 at 51/BBL area @12:00 noon, **(lunch Meeting)**

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by

Daniel Downer

Facilities projects

GE- Advanced Materials

cc: all attendees

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8-16-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 24
Attendees:
Dan Downer – Hill Engineering
Steve Deloye- GEAM
Bill Pike-GEAM
David Gerber—BBLES

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #22
- Review project schedule
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions. Ready for review. (**Updating as necessary**)

18.3 Sabre to install a perimeter barricade around elevated foundation that remains. (As elevated areas are exposed they will be barricaded.)

18.4 Bruce and Dan to let Sabre know about Catch basin filter fabric reinstalled. **(On going every day.)**

21.2 Dale Loroche to disconnect power to light tower between building #119 and #59. Ballast to be removed when tower in on the ground.Air line to be disconnected. Dale Loroche to take care of. **(all set per Dale and Tower to come down Tuesday 8/16/05 at 4;30)**

22.1 Tom Burgess of BBLES to make one more visit for safety review the of the site per Dave Gerber.**(this will happen at end of project which should be the week of 8/2905 t0 9/2/05.)**

22.2 Large water tank is down. Some debris still left to pick up around tank foundation rim.**(Dave and Dan to look at area after meeting.)**

22.4 Weights of demolition material are at 3925.3 Tons as of 8/22/2005. Snap shot looks as if there is 2 Weeks +/- left to finish removals.

22.8 Bruce of BBLES to start a punch list of tasks left to do.

New Business:

23.1 demolition cost forecast was discussed at meeting. Dave Gerber of BBLES to give a new snapshot of his estimate. Range of 1.15 to 1.2 million

23.2 Vacuum pump south of building #51 to be removed as extra by Sabre, per Bill Pike.

23.3 Dave Gerber to inform Royal and Onyx to have liquids removed for #109 pit that was uncovered Monday 8/15/05.

23.4 per Dave Gerber, Bruce and Dan to walk site together to mark with paint items still to be taken down.

23.5 light pole to be taken down at 4:30 today. Traffic has been moved and security has been informed.

23.6 Dave Gerber said that at the end of project a final report will be submitted by BBLES. Dave Gerber to talk with John Novotny for his input.

Next meeting to be Tuesday 8/22/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
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Facilities projects
GE- Advanced Materials

cc: all attendees
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8-16-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 23
Attendees:
Dan Downer – Hill Engineering
Steve Deloye- GEAM
Bill Pike-GEAM
David Gerber—BBLES

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #22
- Review project schedule
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions. Ready for review. (**Updating as necessary**)

18.3 Sabre to install a perimeter barricade around elevated foundation that remains. (As elevated areas are exposed they will be barricaded.)

18.4 Bruce and Dan to let Sabre know about Catch basin filter fabric reinstalled. **(On going every day.)**

21.2 Dale Loroche to disconnect power to light tower between building #119 and #59. Ballast to be removed when tower in on the ground.Air line to be disconnected. Dale Loroche to take care of. **(all set per Dale and Tower to come down Tuesday 8/16/05 at 4;30)**

22.1 Tom Burgess of BBLES to make one more visit for safety review the of the site per Dave Gerber.(**this will happen at end of project which should be the week of 8/2905 t0 9/2/05.)**

22.2 Large water tank is down. Some debris still left to pick up around tank foundation rim.**(Dave and Dan to look at area after meeting.)**

22.3 BBLES to get extra cost to Dan Downer for demolition of additional items.

22.4 Weights of demolition material are at 3925.3 Tons as of 8/05/2005. Snap shot looks as if there is 3 Weeks +/- left to finish removals.

22.5 Demolition cost forecast was discussed in great length at the beginning of meeting. Dennis asked Dave Gerber of BBLES to give a snap shot of his estimate. Dave Gerber gave a range of 1.1 to 1.35 million.

22.6 Dennis requested that we crunch the numbers for a estimate of cost based on the new data from Onyx and Saber's best estimate of remaining containers.

22.7 Sweeping was done by Rudy G. of old tank area by another contractor. Some sweepings still remain. **Bruce to talk to Sabre to do a sweeping again.**

22.8 Bruce of BBLES to start a punch list of tasks left to do.

22.9 BBLES scale house support person 's T&M cost needs to be upped 7,000 more for the remaining time. This is still a T&M task.

New Business:

Next meeting to be Tuesday 8/16/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
Daniel Downer
Facilities projects
GE- Advanced Materials

cc: all attendees
Bob Lamb

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7-05-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 16
Attendees:
Dan Downer – Hill Engineering
Bruce Eulian—BBLES
David Gerber-BBLES (via: phone)
Bill Pike—GEAM
Dennis Arseneau—GEAM
Dale Loroche-GEAM
Steve Deloye-GEAM

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #16
- Review project schedule
- Review asbestos Contractor Status
- Review building permit
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions 2wks from 6-03-05. **(Ready for review.)**

10.2 Sanitary Sewer plugging of mains: Buildings completed and manholes still to be plugged. (Work to start next week of **Wednesday 7/06/05. Confined space permitting required.**

10.6 Power in tunnel of Building #108 to #119. Royal to clean asbestos and then Dale Loroche can meter power. **(D. Loroche to set up with Contractor to be here 7-11-05 for spike testing.)**

12.9 Dan Downer to talk to Tom Bednars about the building #51 pumps and gas tank. (Dennis Arseneau to walk around with Dan Downer to identify items. **(Dennis to Schedule meeting**

With John Novotny).

15.1 Tom Burgess of BBLES was here and had no issues.

15.4 discussions about what to do at areas where foundation walls will remain and drop offs will exist. Dan Downer to work out ways to resolve. (**Bruce of BBLES to have fence install around elevated areas.)**

15.5 Bill Pike and Steve deloye are to walk around and come up with new locations for sweeping debris and salt storage areas**. (Dumpster to be uses and located at building #120 area.)**

16.1Site one demolition tonnage matrix of weight discussed, D Downer to send a copy to D. Arseneau.

16.2 Discussion of number of demolition boxes that are coming to the site every day. Dan Downer and Dennis to contact CWM Chem. Services to ask for more each week, (**60 yard trucks to come and live load. Maybe (2) truck each week.**

New Business:

17.1 Dennis Arseneau requested that Sabre each week should look for tripping hazards specifically: rebar and rough edges.

17.2 Payment has not yet been received by BBLES. Dan Downer to check on this issue.

Next meeting to be Tuesday 7/11/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
Daniel Downer
Facilities projects
GE- Advanced Materials

cc: all attendees
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6-28-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 15
Attendees:
Dan Downer – Hill Engineering
Bruce Eulian—BBLES
David Gerber-BBLES (via: phone)
Bill Pike—GEAM
Dennis Arseneau—GEAM
Dale Loroche-GEAM

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #15
- Review project schedule
- Review asbestos Contractor Status
- Review building permit
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

3.6 Power shut off is complete as of Saturday 4/9/05. **Temporary power still live as marked. In buildings #110.**

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions 2wks from 6-03-05. **(Ready for review.)**

10.2 Sanitary Sewer plugging of mains: Buildings completed and manholes still to be plugged. (Work to start next week of **Wednesday 7/06/05. Confined space permitting required.**

10.6 Power in tunnel of Building #108 to #119. Royal to clean asbestos and then Dale Loroche can meter power. **(D. Loroche said he would contract with Wilson electric for spike testing.)**

12.9 Dan Downer to talk to Tom Bednars about the building #51 pumps and gas tank. (Dennis Arseneau to walk around with Dan Downer to identify items. **(Dennis to Schedule meeting).**

15.1 Tom Burgess of BBLES to be here next week for safety review, Bruce Eulin to set up.

15.4 discussions about what to do at areas where foundation walls will remain and drop offs will exist. Dan Downer to work out ways to resolve. **(Bruce of BBLES to have fence install around areas.)**

15.5 Bill Pike and Steve deloye are to walk around and come up with new locations for sweeping debris and salt storage areas. **(On Going)**

New Business:

16.1 Discussion of site demolition tonnage estimate: Bruce Eulian and Dan Downer to work with Onyx to start a weekly matrix of weight so as to keep tabs on any issues.

16.2 Discussion of number of demolition boxes that are coming to the site every day. Dan Downer and Dennis to contact CWM Chem. Services to ask for more each week.16.3 Jersey Barriers to be install around the site this week along north side of site one and west of building #108 in the parking area.

Next meeting to be Tuesday 7/5/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
Daniel Downer
Facilities projects
GE- Advanced Materials

cc: all attendees
Bob Lamb

GE Advanced Materials
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Dan Downer

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5-17-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 9

Attendees:

Dan Downer – Hill Engineering
Steve Deloye– GEAM
Bill Pike--GEAM
Bruce Eulian—BBLES
John Novotny-GE CEP
Dennis Arseneau—GEAM
David Gerber – BBLES
Lou Jefts-- BBLES

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #8
- Review status of liquid removals (complete)
- Review project schedule
- Review asbestos Contractor Status
- Review building permit
- Review disposal cost and record keeping

Next steps / action items

Items Discussed

3.6 Power shut off is complete as of Saturday 4/9/05. **Temporary power still live as marked. In buildings #110 and #114 for asbestos work.**

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions **(on going).**

7.6 Large water tank near building #51. BBLES to take sample of solids if they exist at bottom of tank. GE-AM to look into tank to determine water height to man way elevation.

7.7 Paint chip samples. Upper mangers looking at data to determine next steps. **Dennis Arseneau to contact Mike O'Donnell**

9.1 Table of solids and liquids to be given to John Novotny and Dan Downer. **(Handed out at meeting.)**

9.2 asbestos found in building #109 eaves on both sides. **BBLES** to give Dan Downer change order letter. Also high pipe trestle from #51 to #109 has 85' to 100' of asbestos too.

New Business

10.1 BBLES Daily personal log in book at Building #51 has not been use. **The book location has moved to Royals trailer.**

10.2 Sanitary Sewer plugging of mains: extra approved, Dan Downer to show Royal and BBLES the manhole locations so as to plug them prior to building demolition.

10.3 EPA approval for five digs has been made. Per John Novotny.

10.4 Schedule status is improving. Asbestos interiorly should be completed by end of next week and exterior started. Building demolition to be week of June 13th-20th

10.5 P.O. number for task #4 demolition of buildings given to BBLES. Personal of sabors in town getting permitting.

10.6 John Novotny requested that GE-AM people investigate power in tunnel of Building #108 to #119. Dale L. on vacation this week.

10.7 Trucking demolition items in and out of site discussed.

10.8 Helipad construction discussed. Hill engineers doing soil fill quantities and design.

10.9 Air monitoring for Building demo discussed. BBLES asked if they could do there own air monitoring. After meeting it was determined that BEC was to be used. BBLES to contact them.

10.10 BBLES asked what hydrants could be used for dust suppression during demolition of buildings. Steve Deloye said there should be enough.

Next meeting to be Tuesday 5/23/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

Submitted by
Daniel Downer
Facilities projects
GE- Advanced Materials

cc: all attendees
Bob Lamb

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Dennis Arseneau

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5-26-2005

SITE ONE DECOMMISIONING Project Meeting Minutes
Meeting # 7

Attendees:
Dennis Arseneau – GE-AM
Joe Choon – GE-AM
Steve Deloye– GEAM
Dale Laroche–GEAM
Bill Pike--GEAM
Bruce Eulian—BBLES
John Novotny-GE CEP

Agenda

SITE ONE weekly Meeting

- Safety
- Review meeting minutes #6
- Review environmental removals
- Review project schedule
- Review asbestos removals
- Review disposal cost and record keeping
- Next steps / action items

Items Discussed

2.5 Building #114; a/c unit CFC's are removed. Bruce of BBL to get John Novotny results after 50 samples are accumulated. Bruce of BBL said that the test results should be back next week. ***Completed – All tests non-detect***

2.11 Steam trestle from buildings #51 east side via site one buildings to Merrill road: question asked about asbestos. BBL's B. Eulian to have ATC investigates and provide report for next meeting. ***No asbestos on General Dynamics line***

3.1 **Royal has begun Site 1 asbestos abatement work. A crew of 8 now mobilizing**

3.2 BBL still waiting for test results from elevator location in Building #109

3.6 Power shut off is complete as of Saturday 4/9/05. ***Temporary power still live as marked. In buildings #110 and #114 for asbestos work.***

4.4 GE-AM to provide power for work trailer near Bldg #52. ***(In progress)***

4.8 Phone line at oil water separator not needed (W. Wood)

5.1 PO issued to BBL for sample testing in 10 steel and 10 concrete. BBL to determine test areas this week.

5.2 Oils removals complete

5.3 All trenches, floor drains, and sumps cleaned. ***(Test results by next week)***

5.4 preliminary results of B-#114 show some low levels in glycol. Cost for disposal will increase.

6.1 Bill Pike to talk with Bob Lamb on the use of JLG lift to investigate trestle asbestos. ***(GE-AM must not allow contractors to use GE lifting equipment except in emergency cases after management review and after signing tightly worded liability waver)***

6.2 Results of solids and liquids removed from trenches and sumps to be review with J. Novotny. If 50 ppm or higher. There will be no need to do any further test.

6.3 J. Novotny said to have Royal contact him to do building #108 electrical vault and manholes asbestos removal. CEP to cover cost for these tasks.

6.4 Dan Downer stated that GE-CEP would like Hill Engineers to do a plan showing the utilities status in site one area for final conditions.

6.5 Dan Downer requested that building #119 toilet room area be unlocked each morning for workers to use during site one demo project time frame.

6.6 BBLES and D. Downer held the walk thru for building demolition portion of site one. Two contactors showed up. BBLES to more contractors to bid on the project this week. Bruce Eulian to contact Maxymillion and others on list.

6.7 Dale Loroche to get temporary power to building #114 by 4/20/05.

6.8 J. Novotny doing letter for 4 to 5 more digs for GE-AM this week to the EPA.

6.9 Traffic plan discussed for D.R.Billing digging this week. Steve Deloye OK with it. Email sent out to notify all parties.

New Business:

- Check to see if steam lines between Bldgs. 115 + 121 are included in demo RFP
- Non-contact water from Bldgs. 120 + 121 needs to be evaluated

Next meeting to be Tuesday 5/3/05 at 51/BBL area @9:00

Discussion of this meeting has been recorded as understood by this writer. Unless notified to the contrary, these noted are assumed accurate.

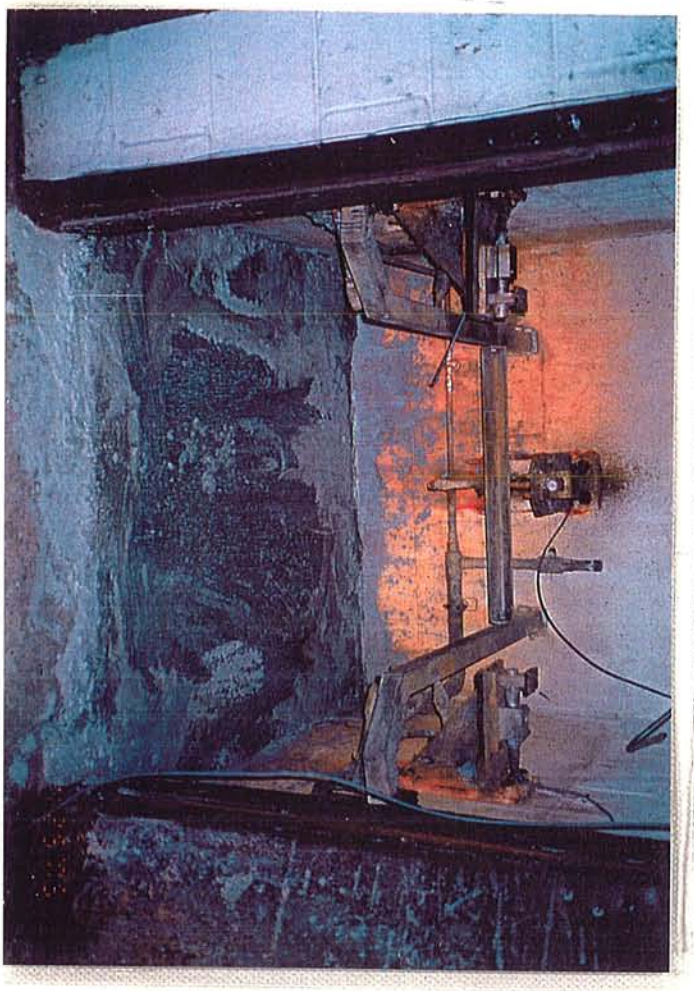
Submitted by
Dennis Arseneau
Mgr. - Facilities and Services
GE- Advanced Materials

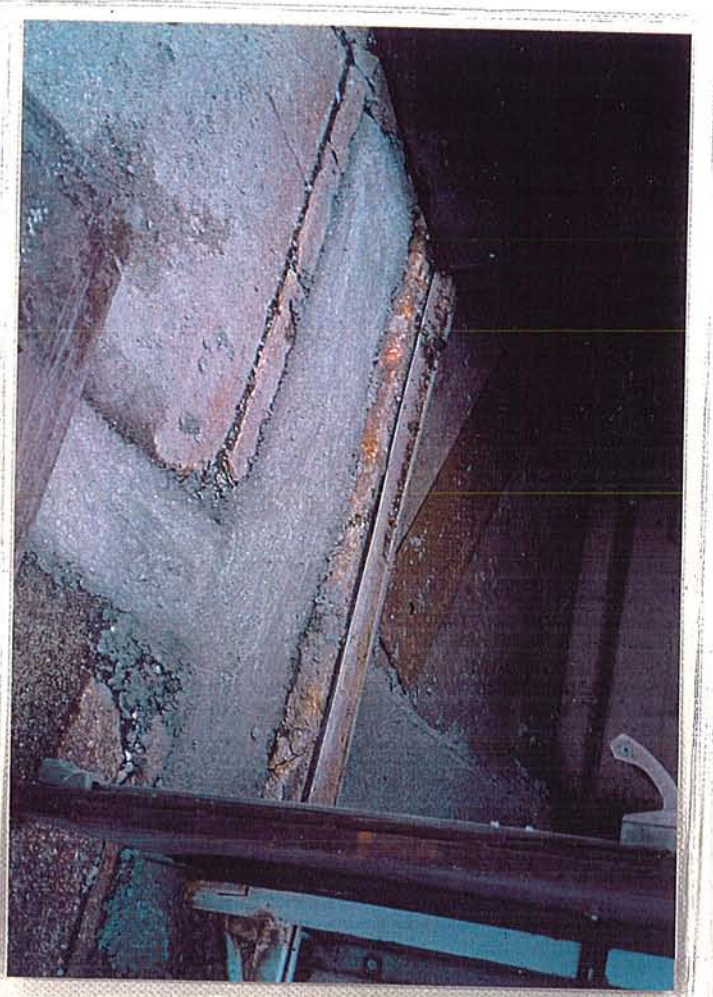
cc: Attendees
Bob Lamb

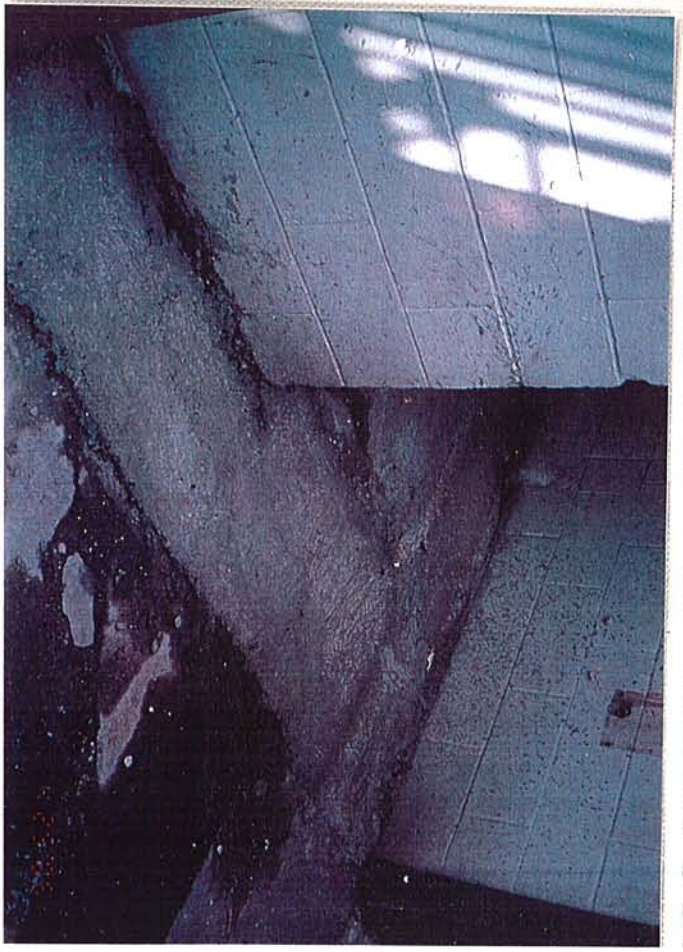
Appendix J

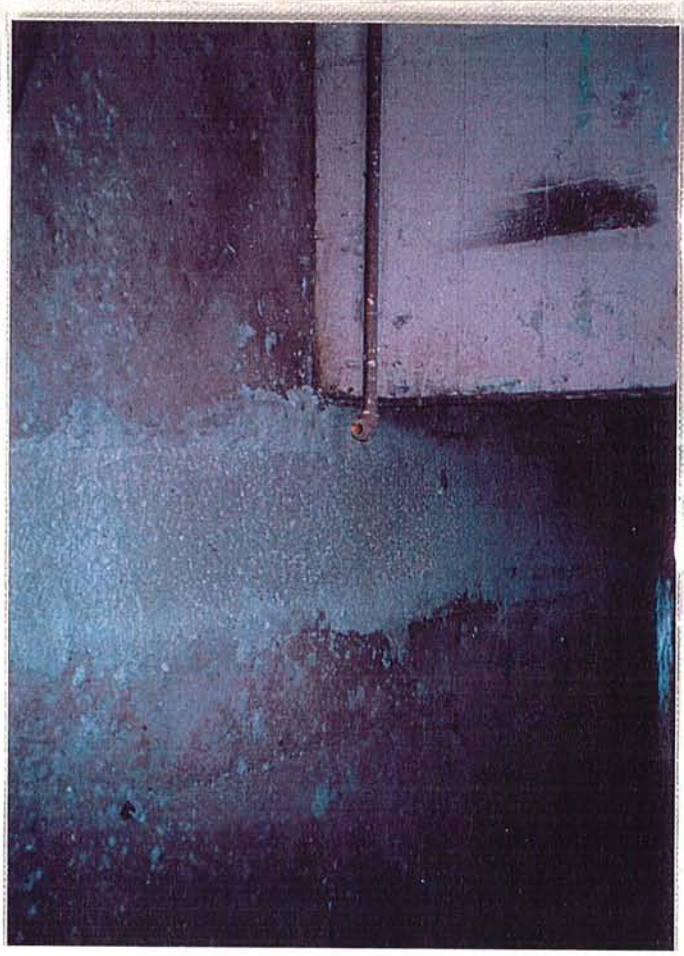
Project Photo Log

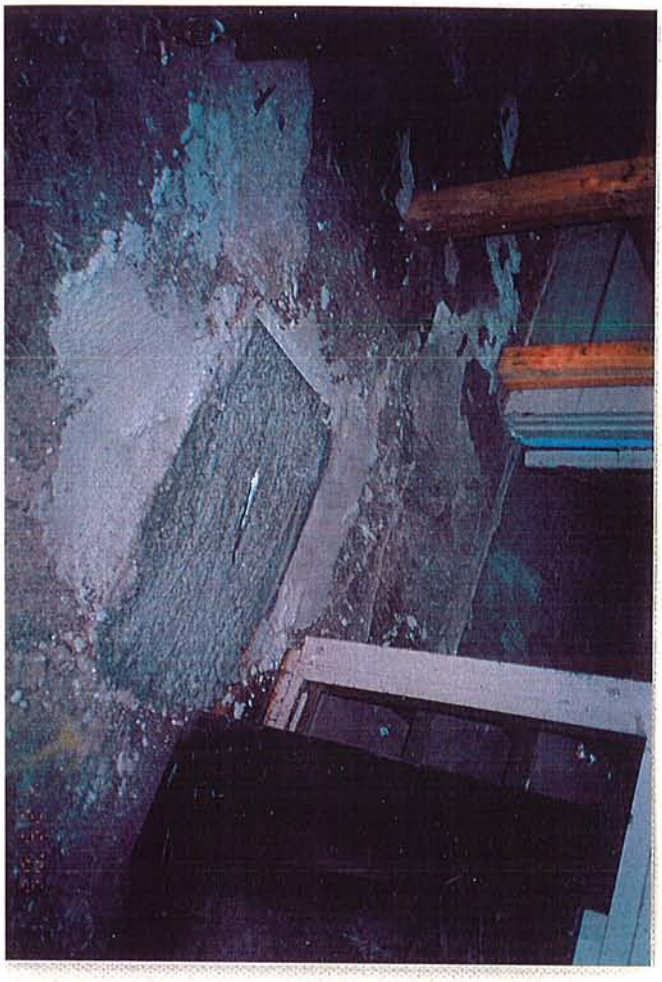
BBL
ENVIRONMENTAL SERVICES, INC.
Remedial Management & Construction

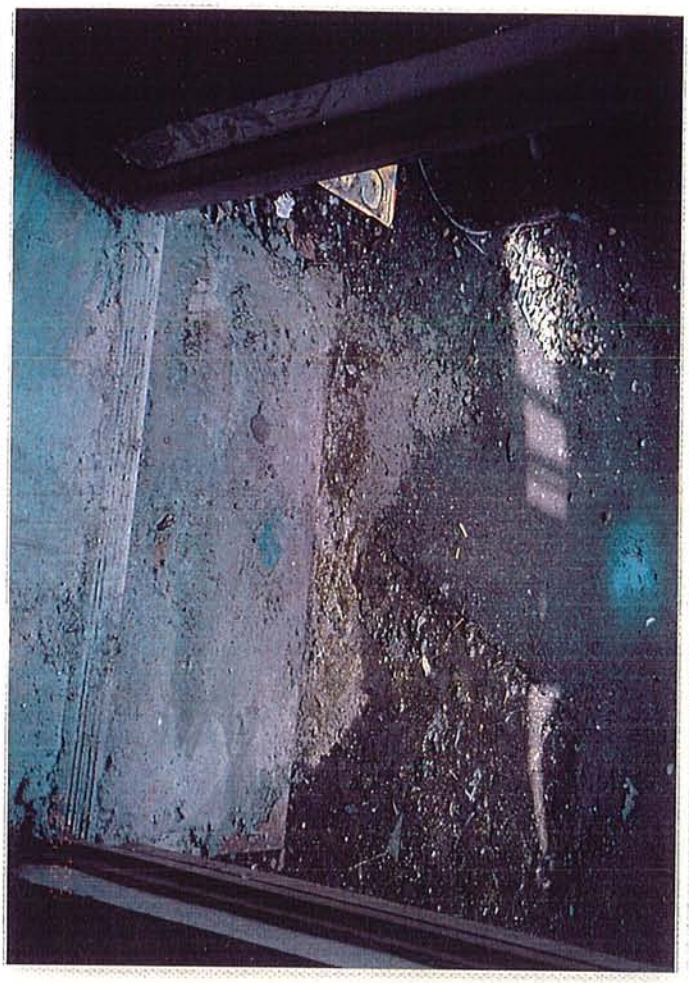


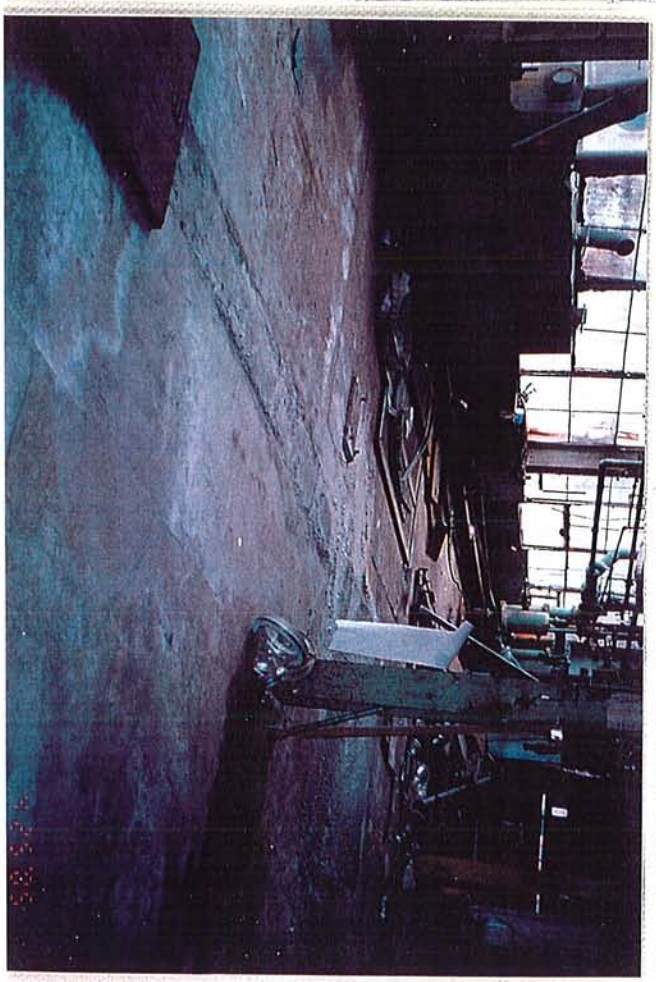


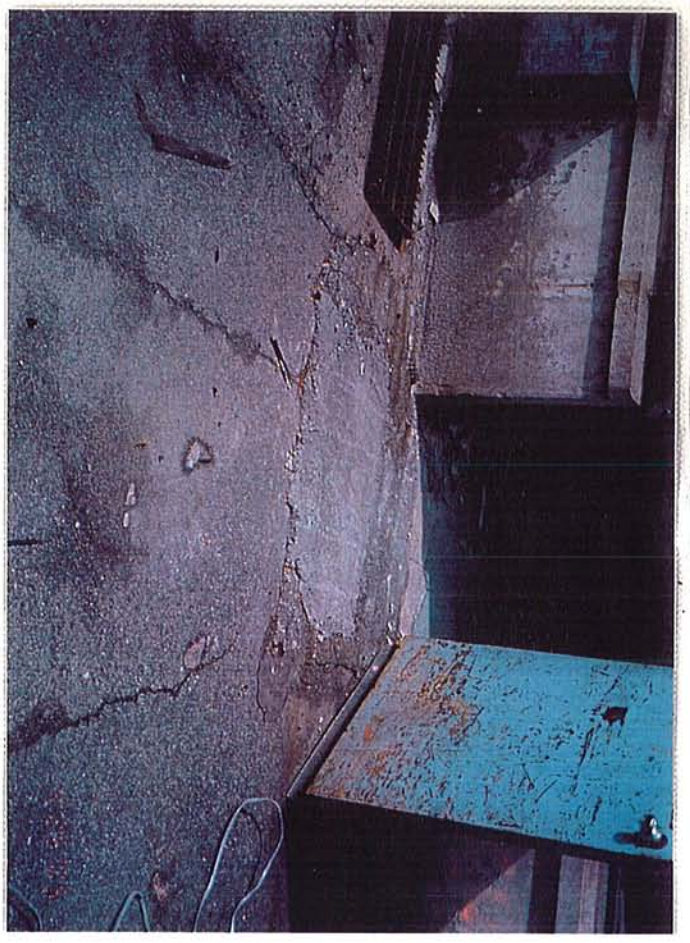












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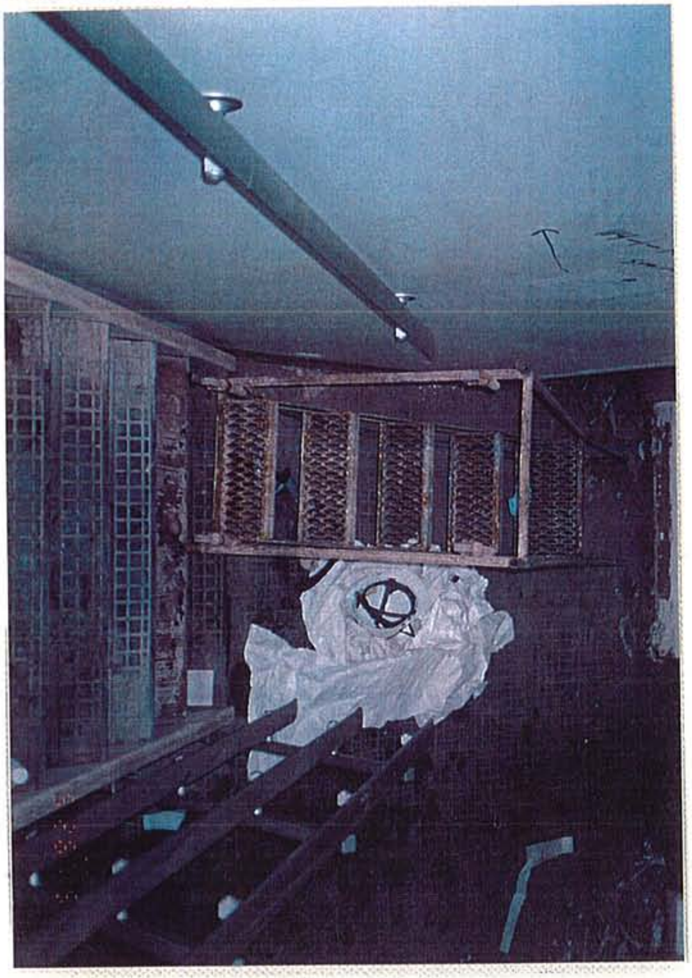
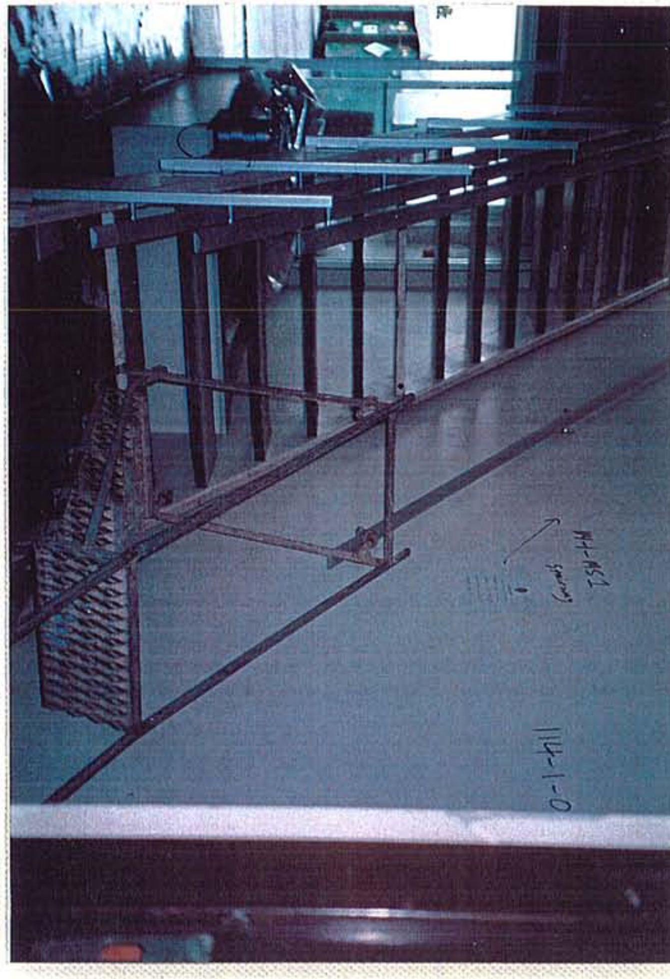
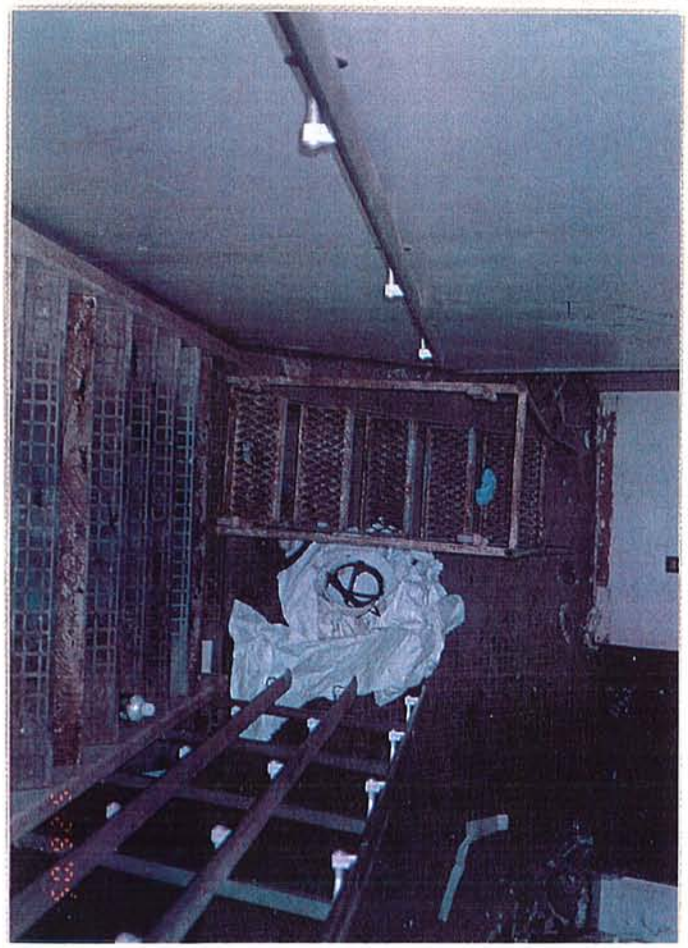


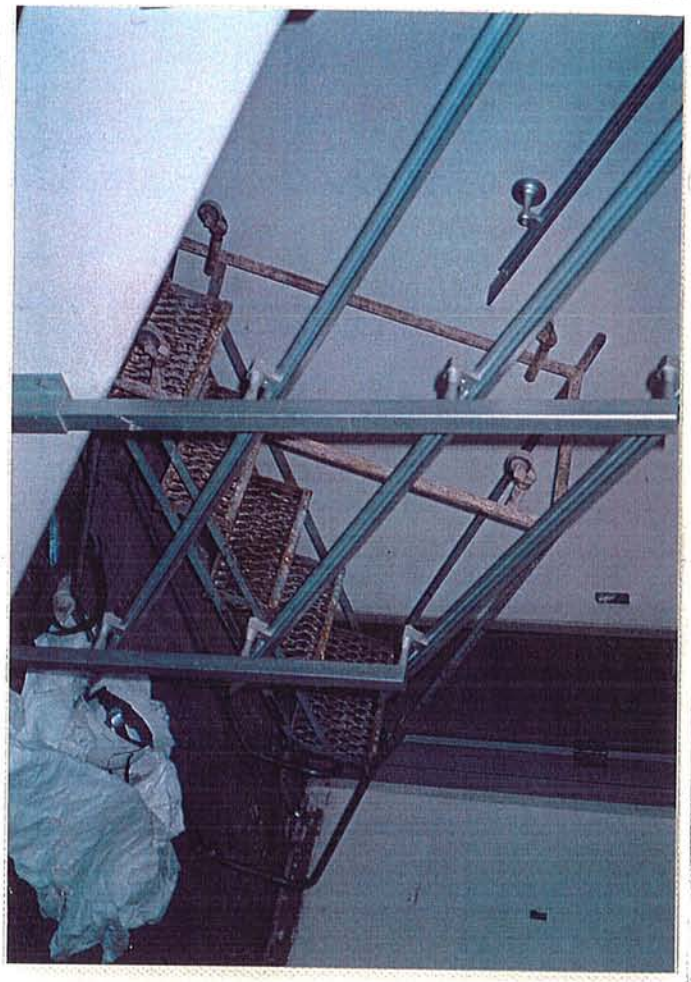

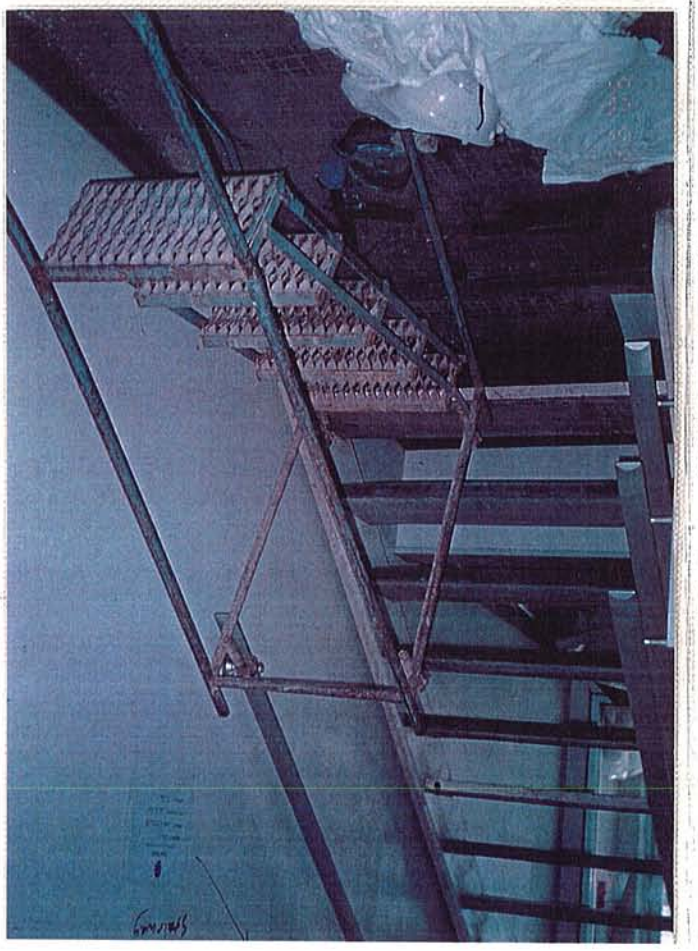

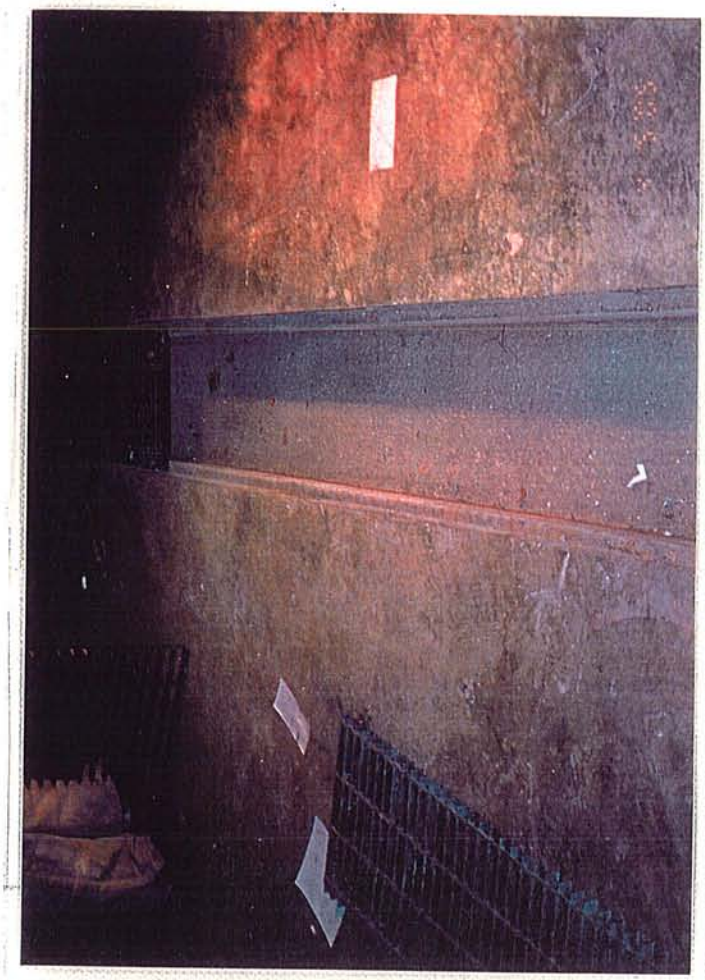

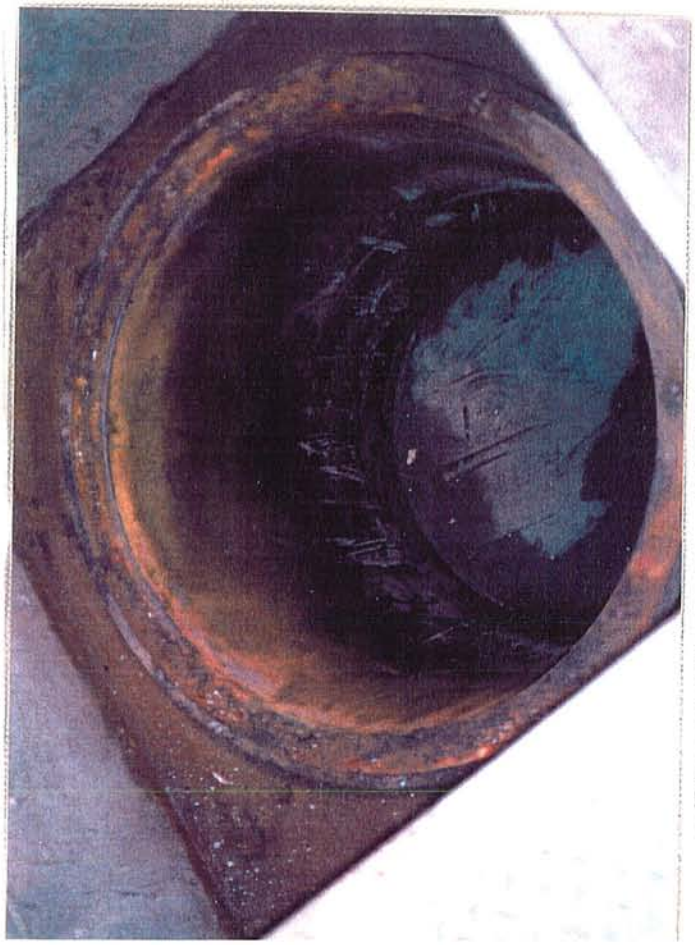

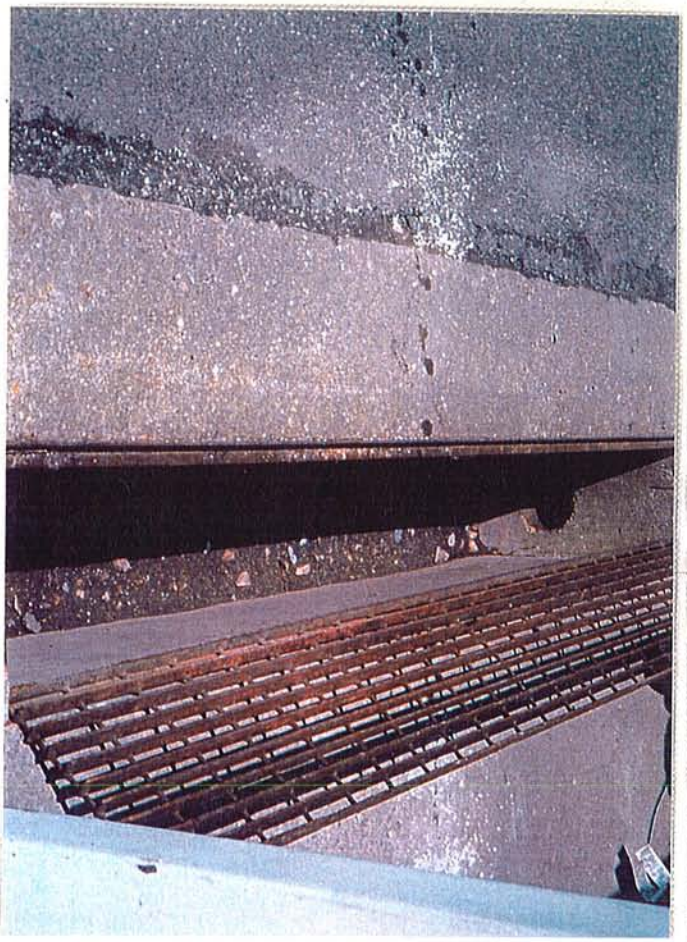

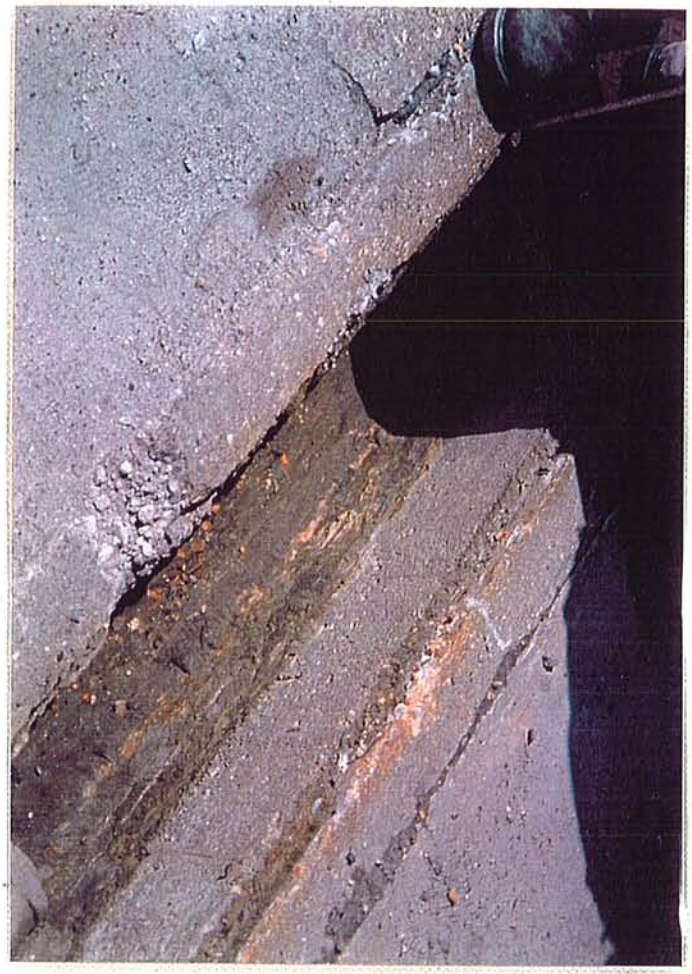

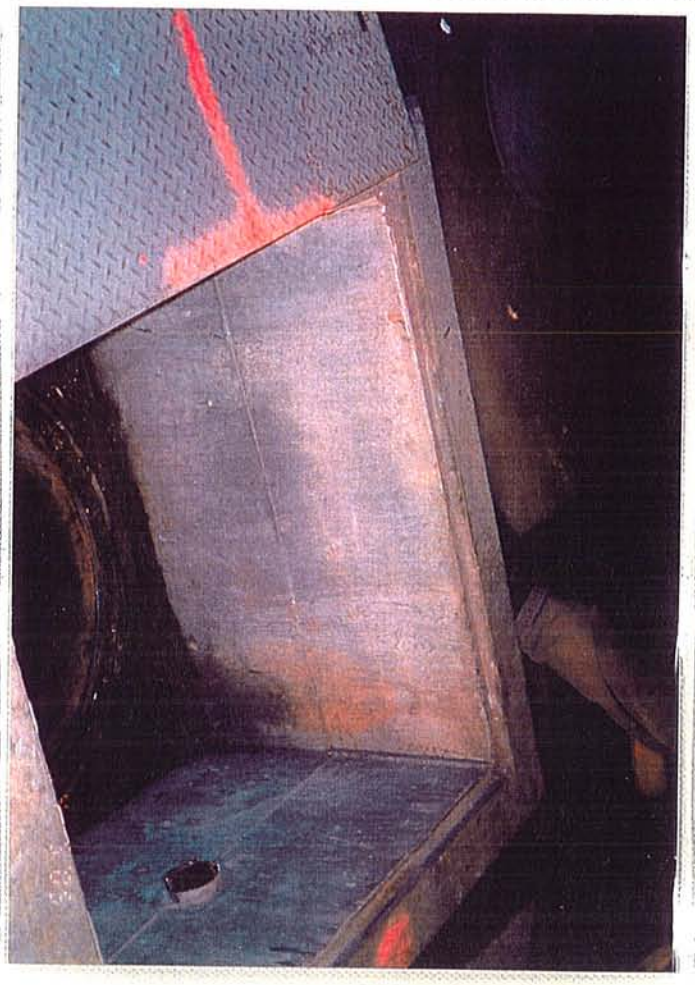

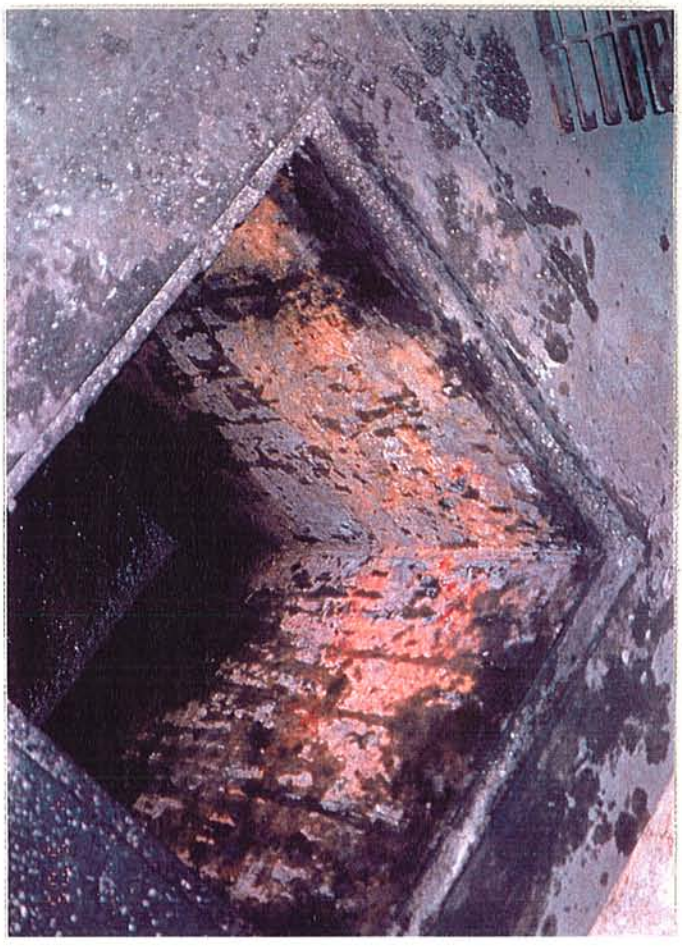

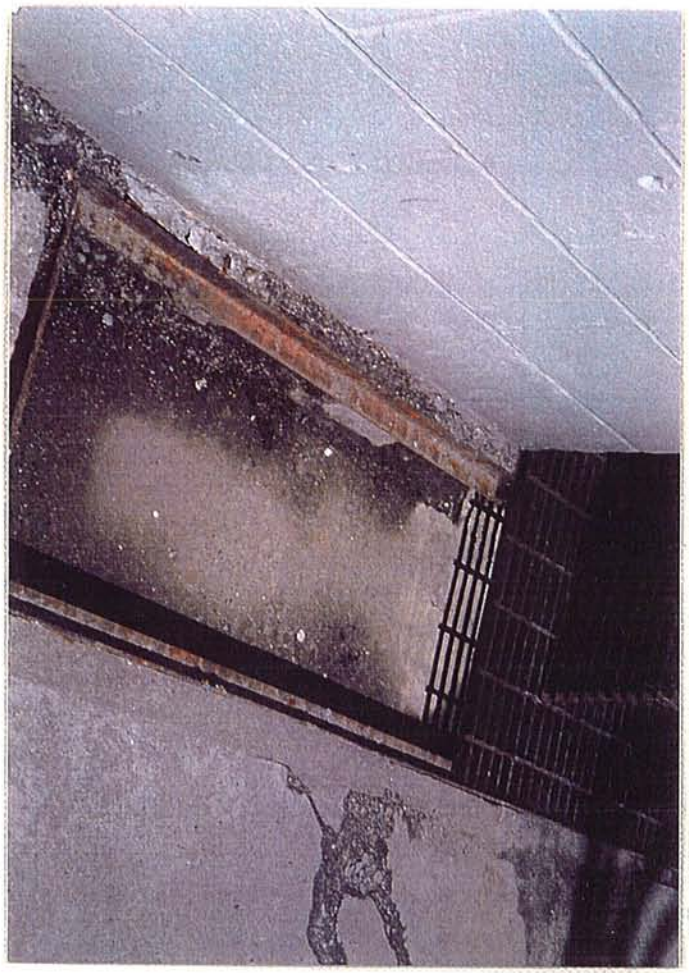

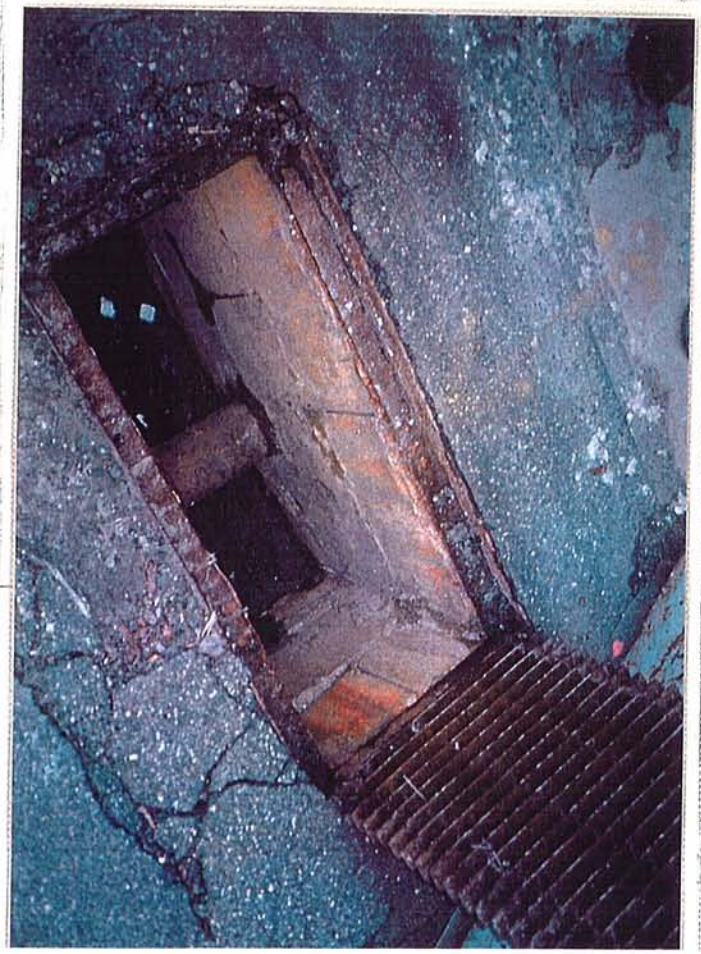

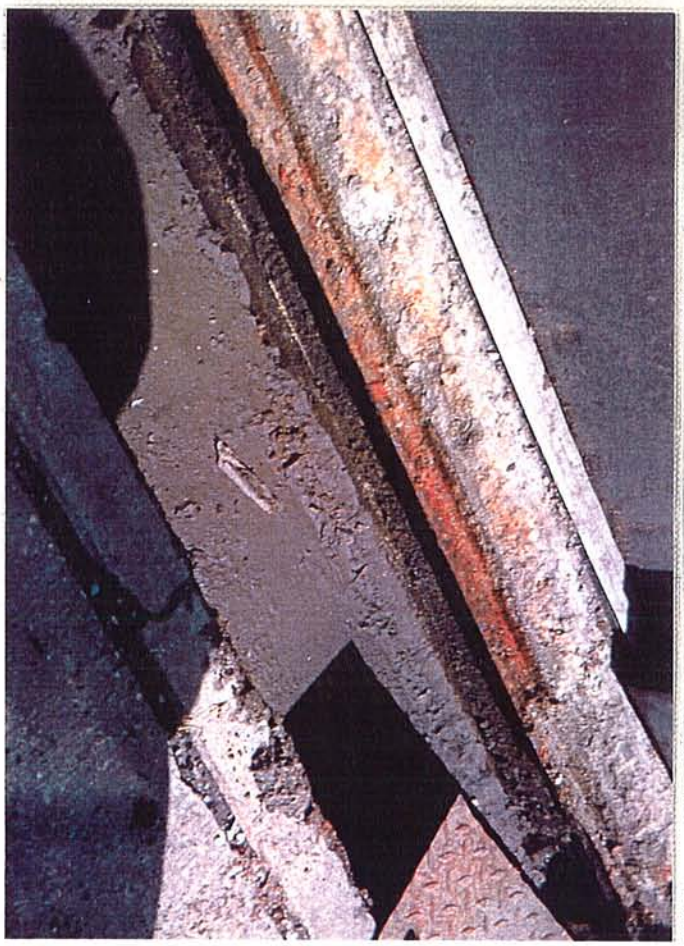

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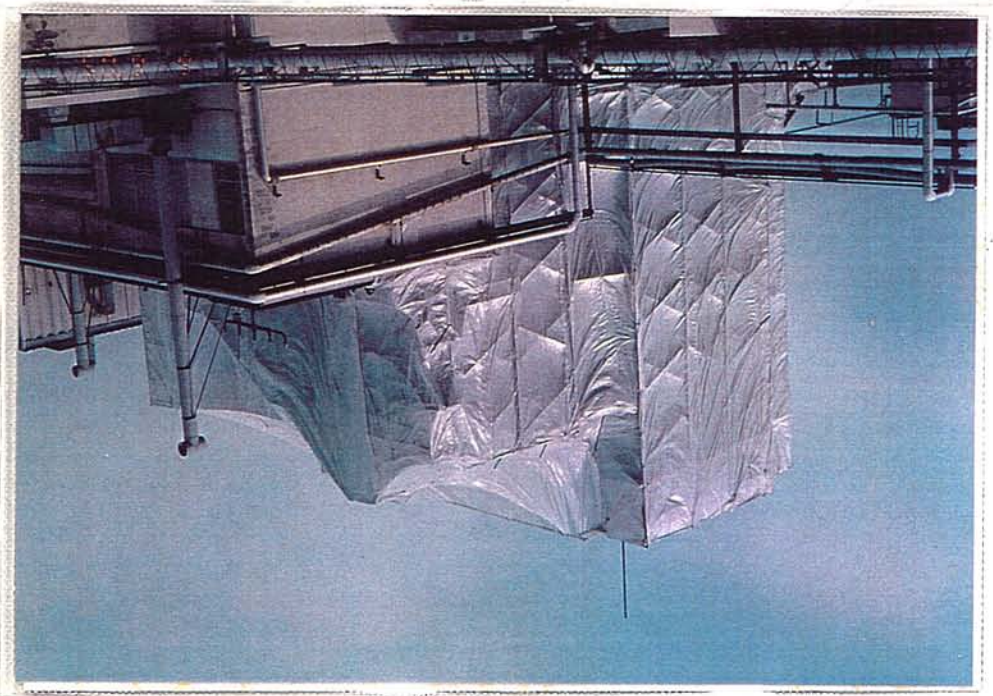

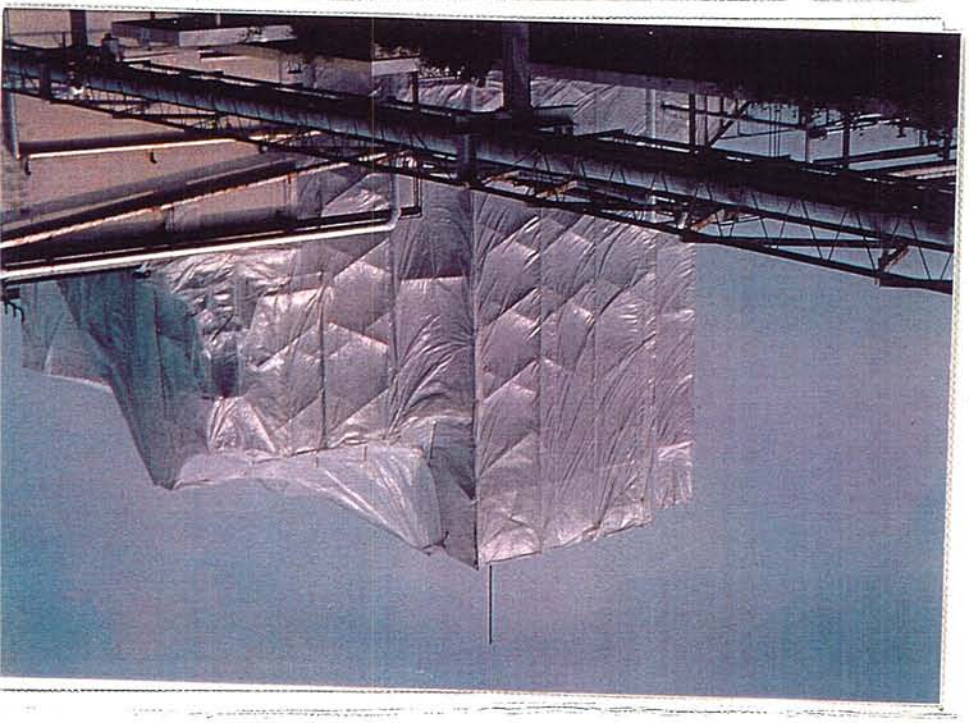

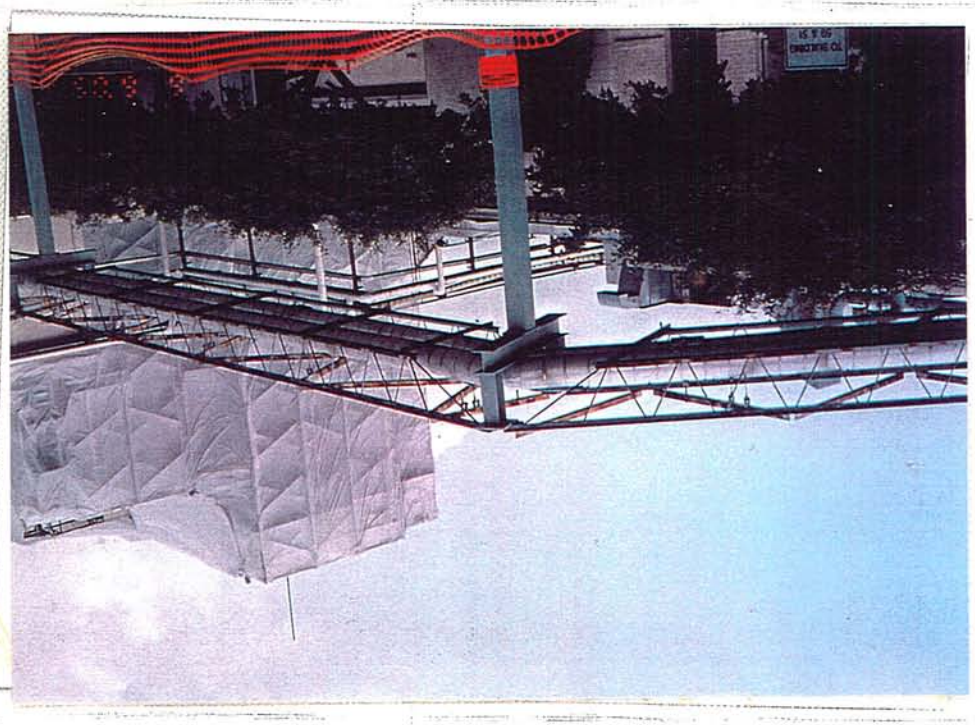

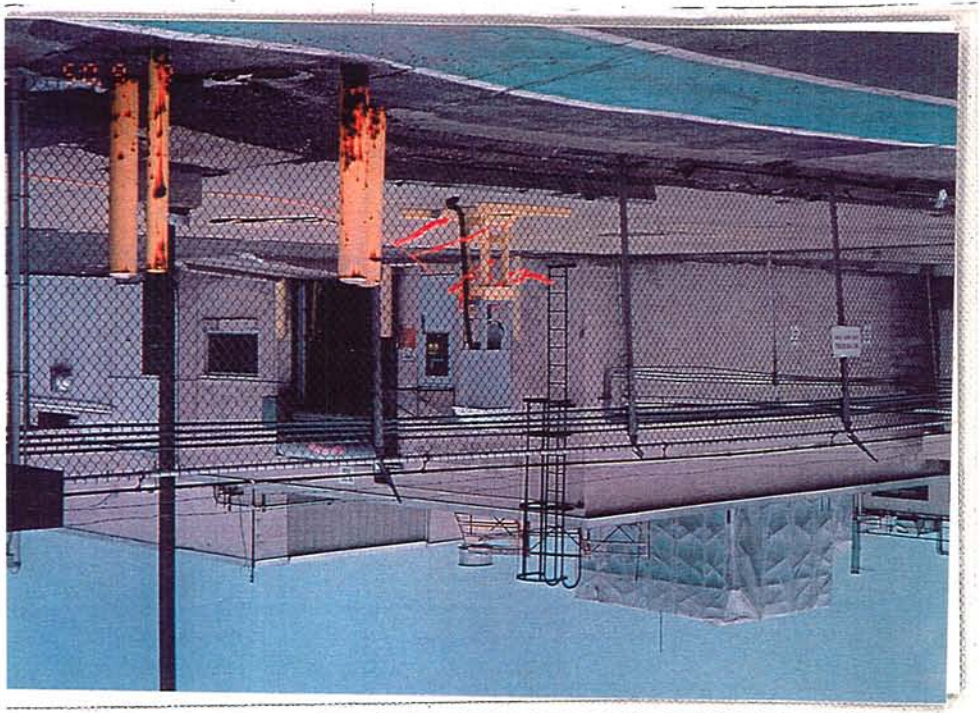

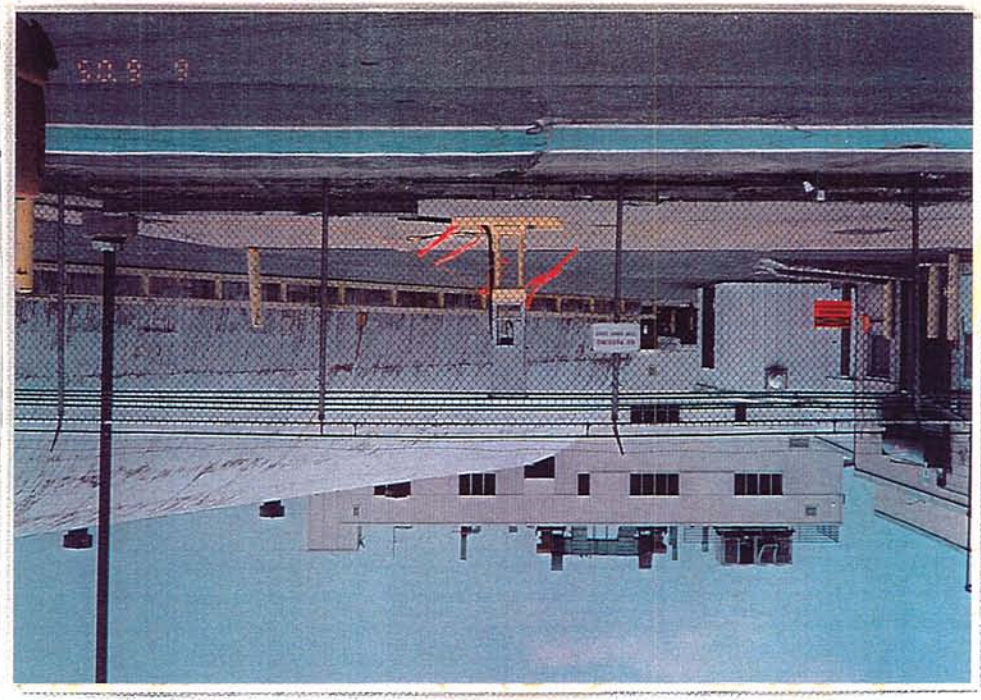

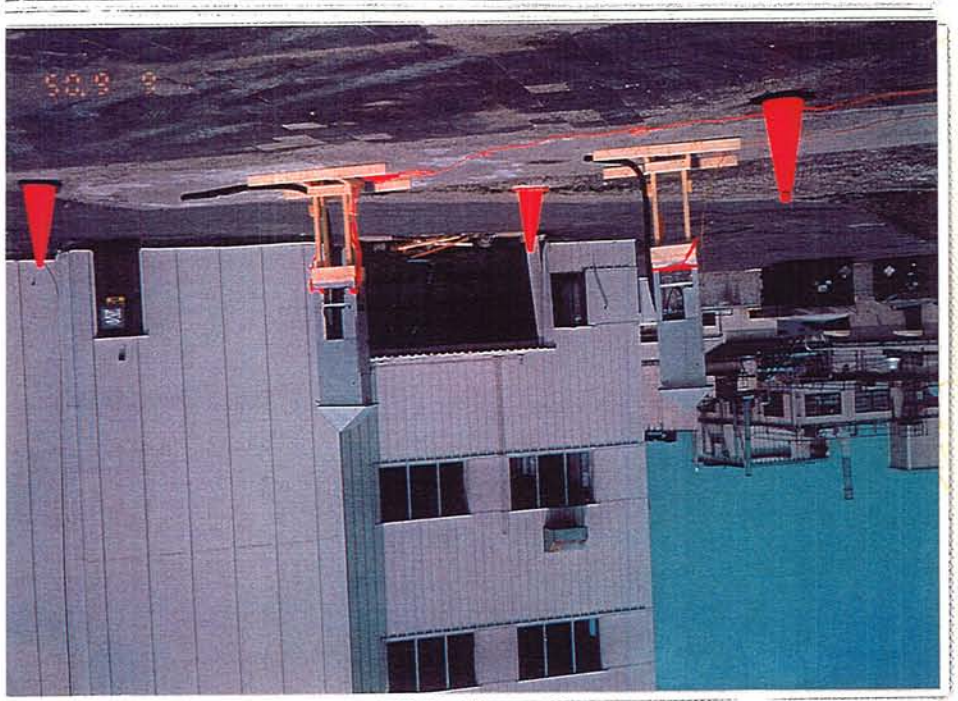

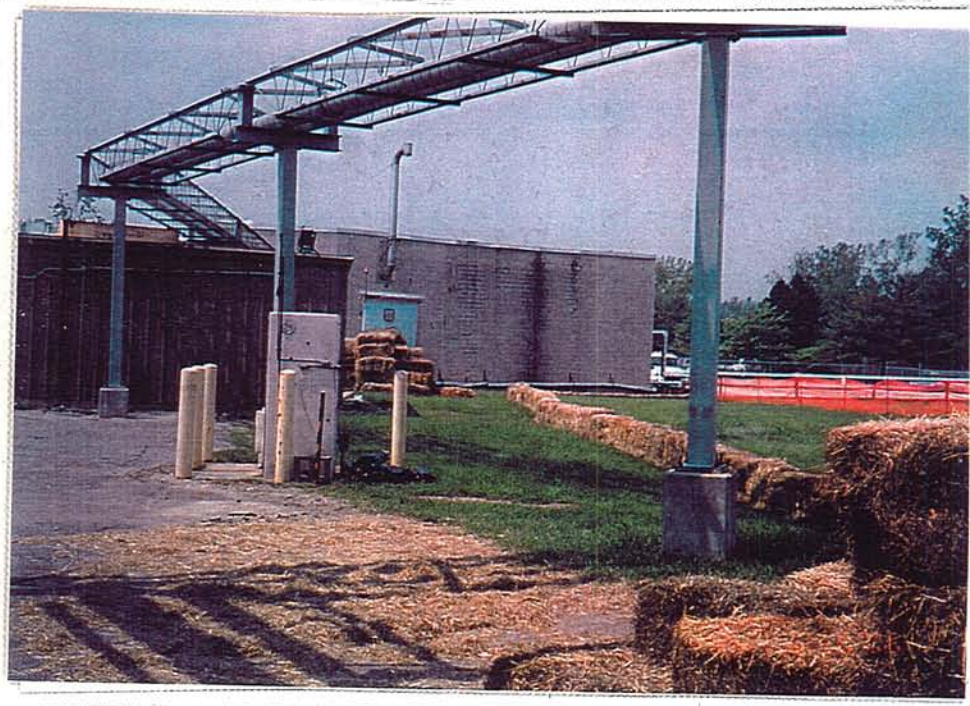

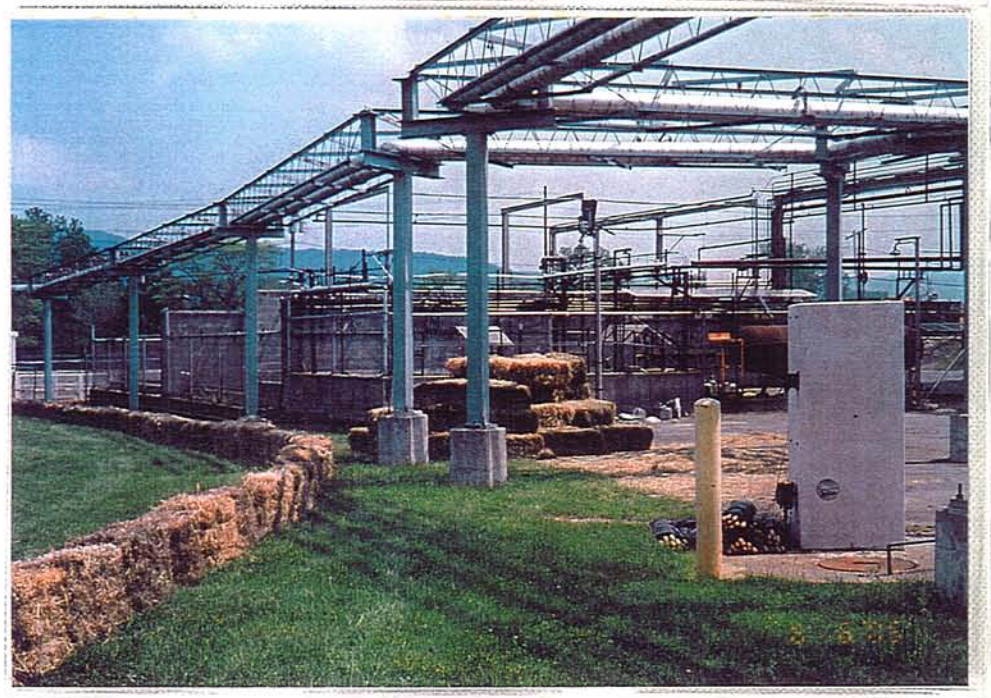

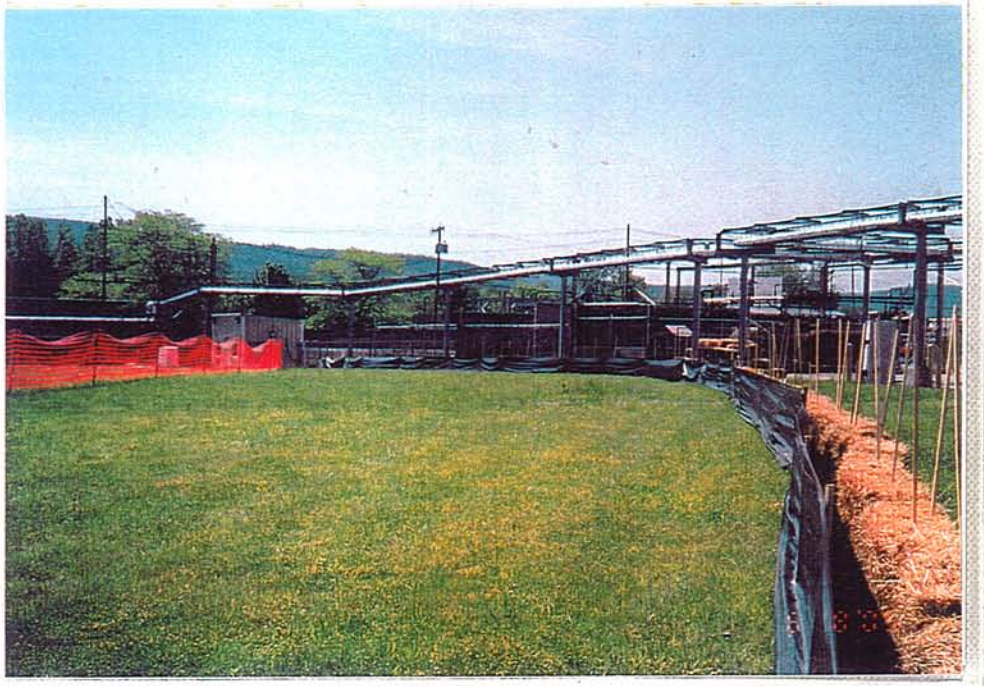

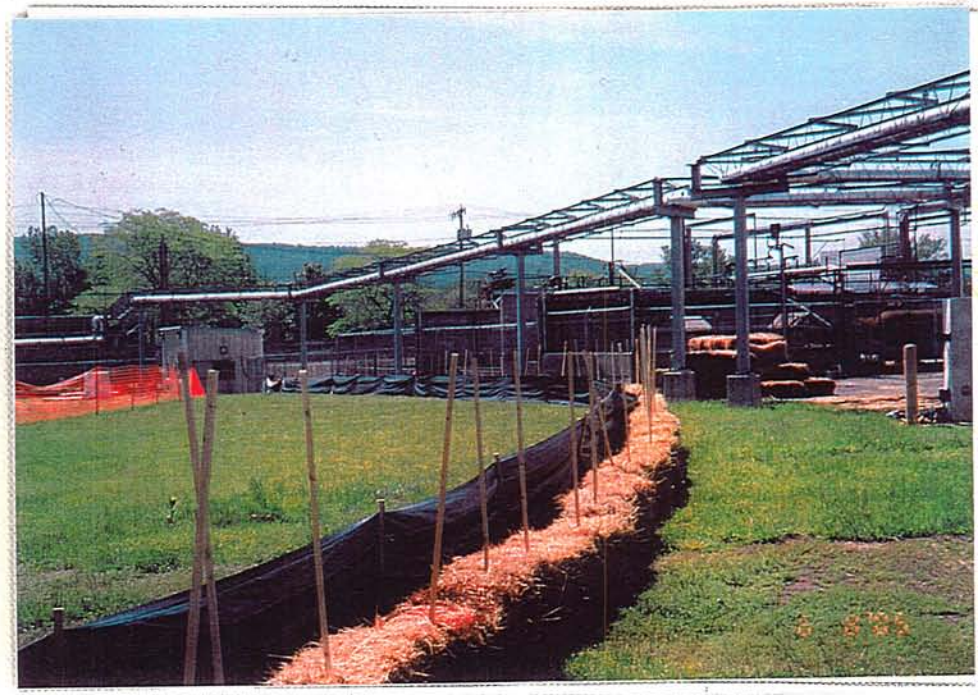

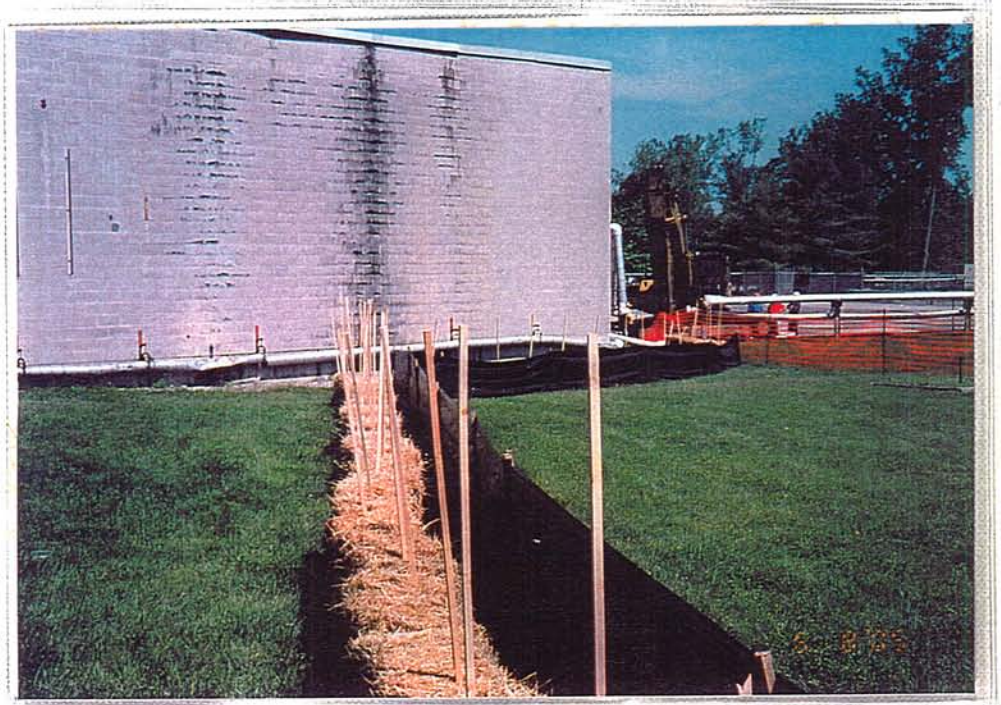

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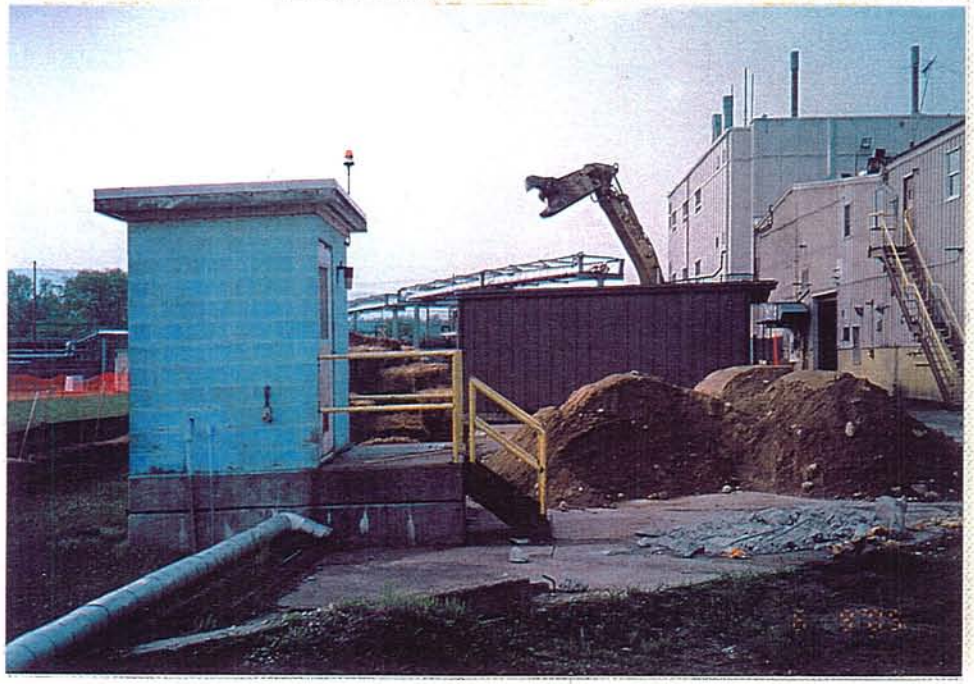


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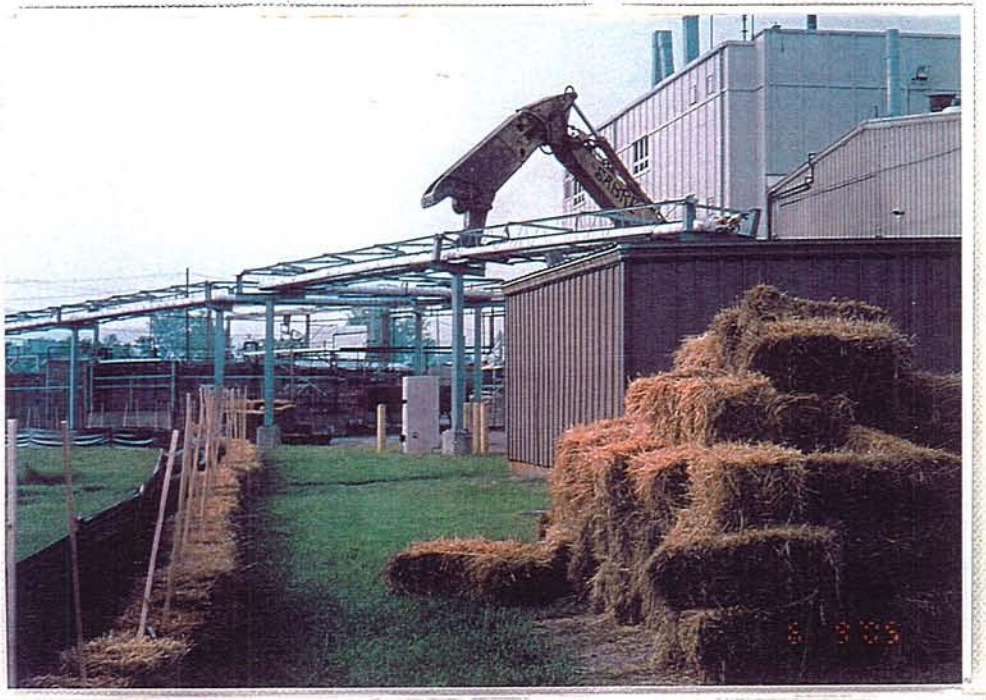

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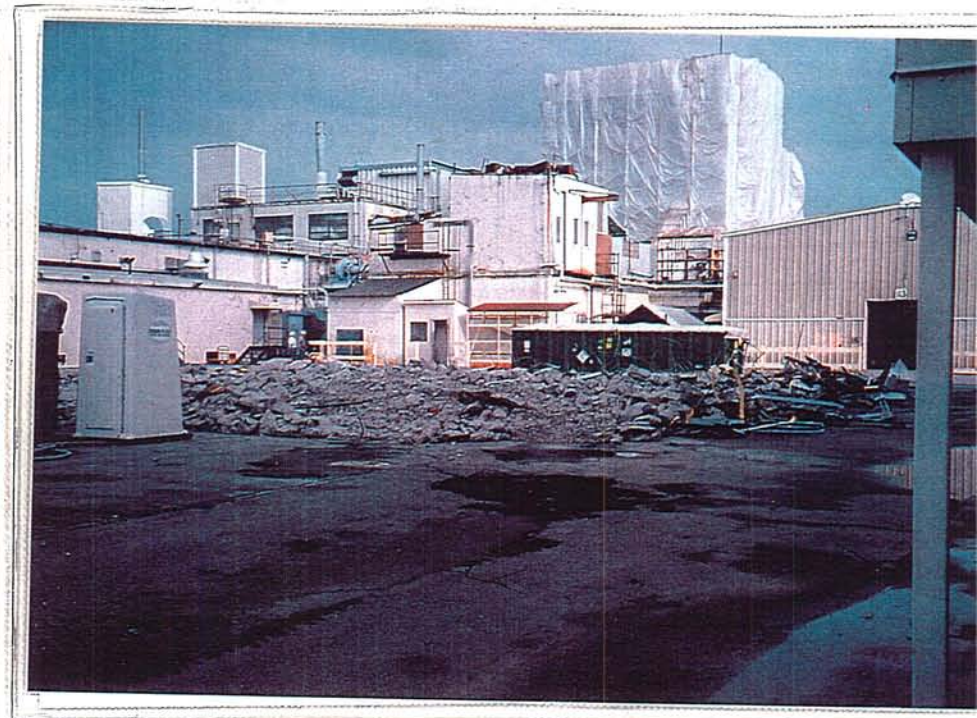

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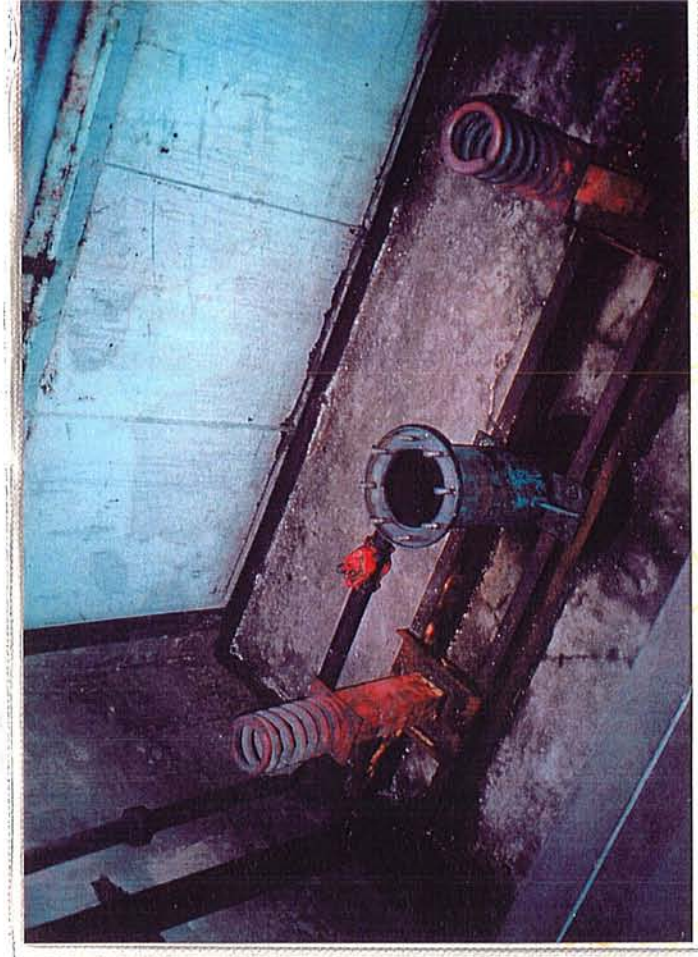

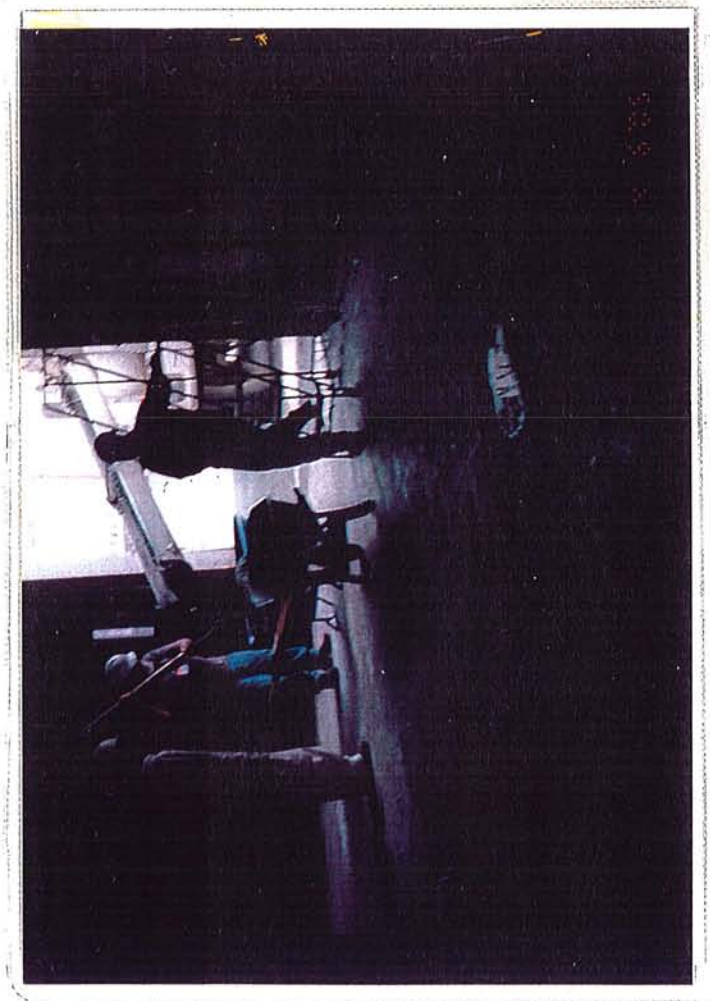

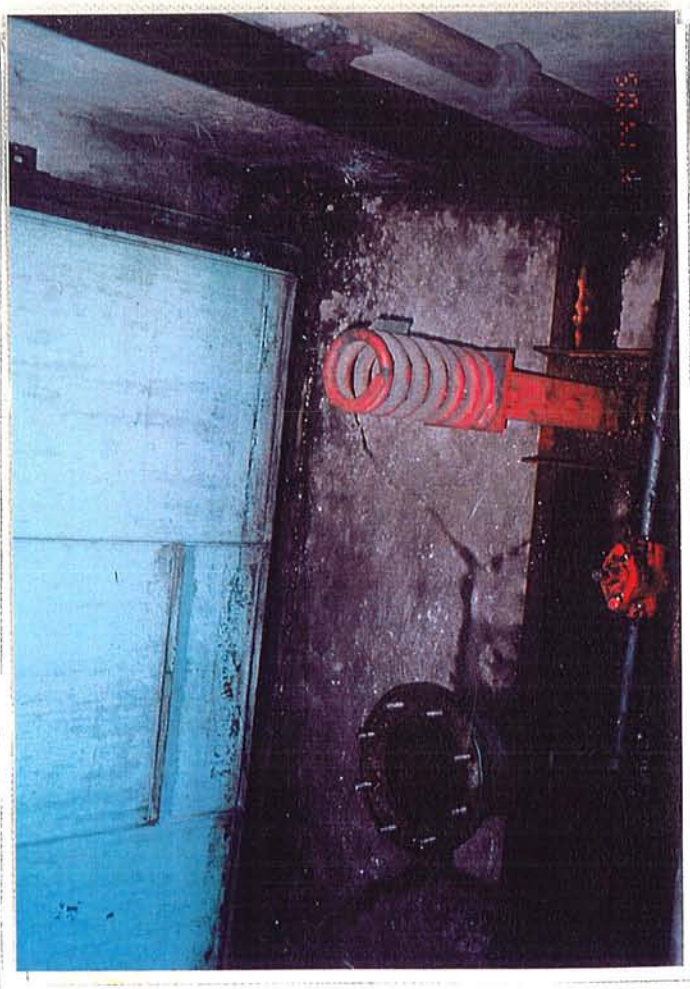


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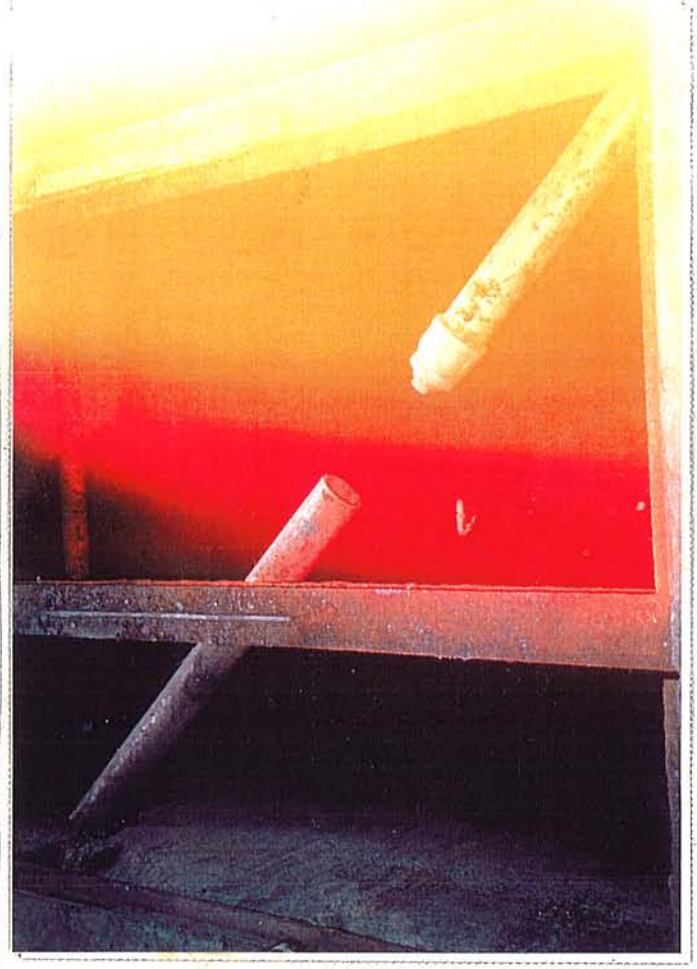

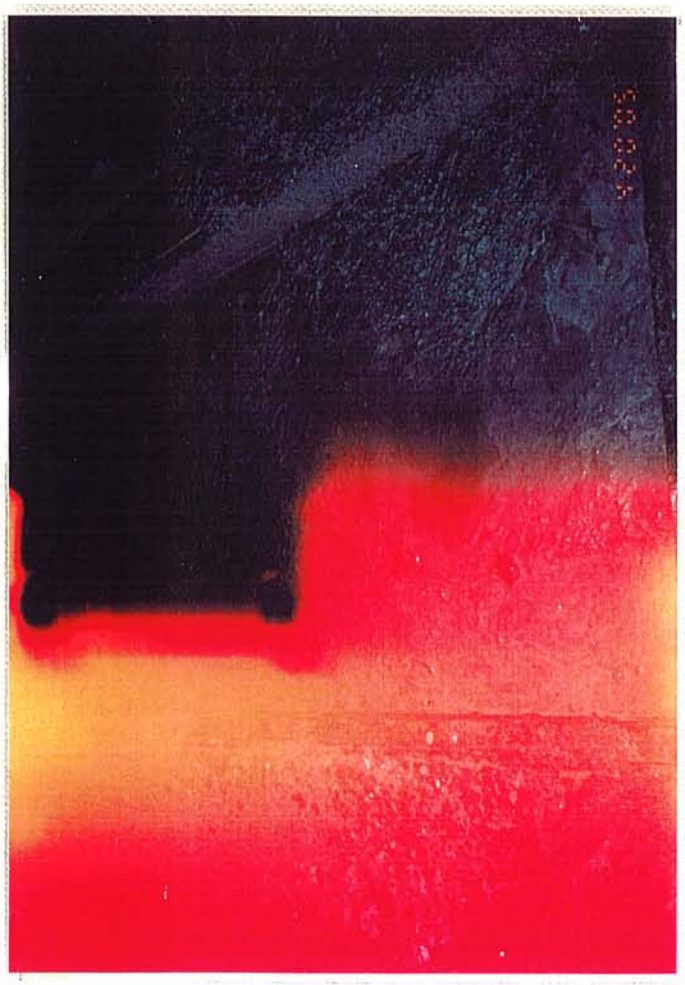

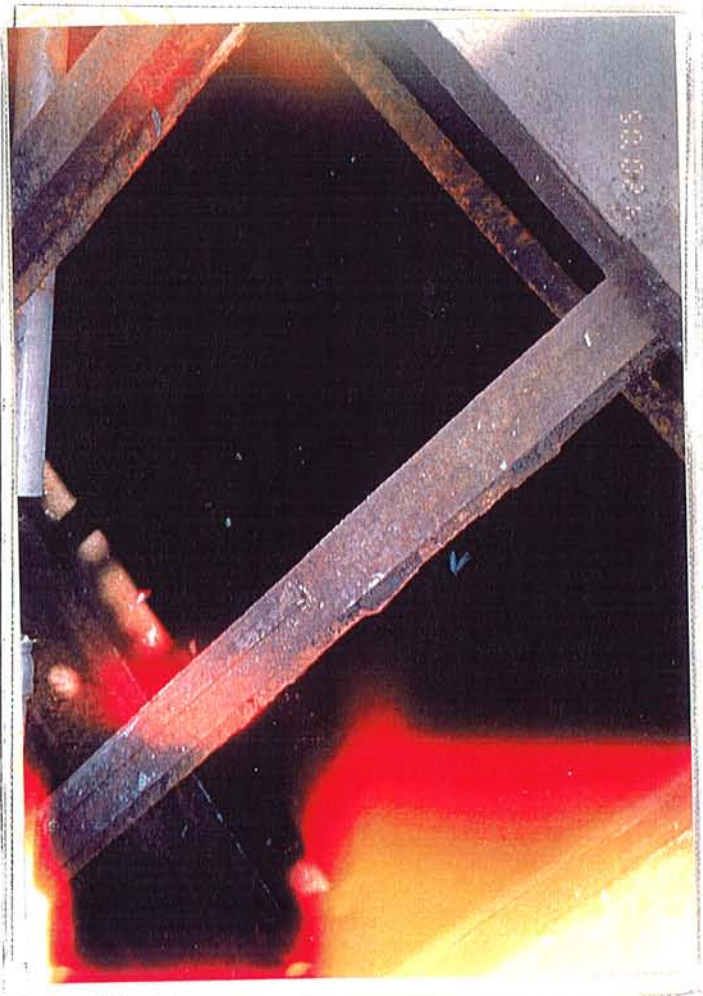

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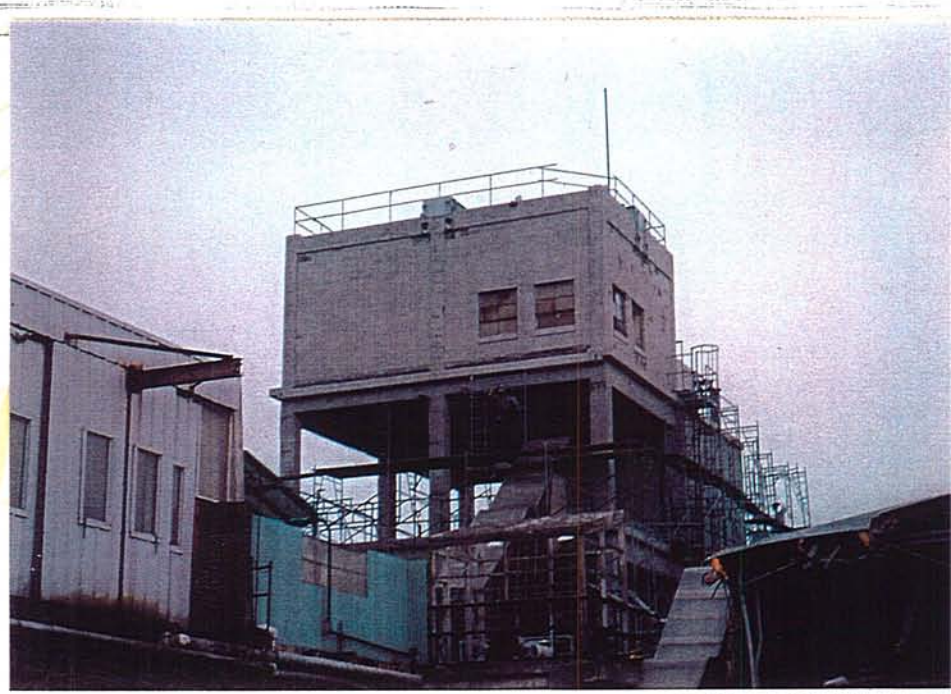


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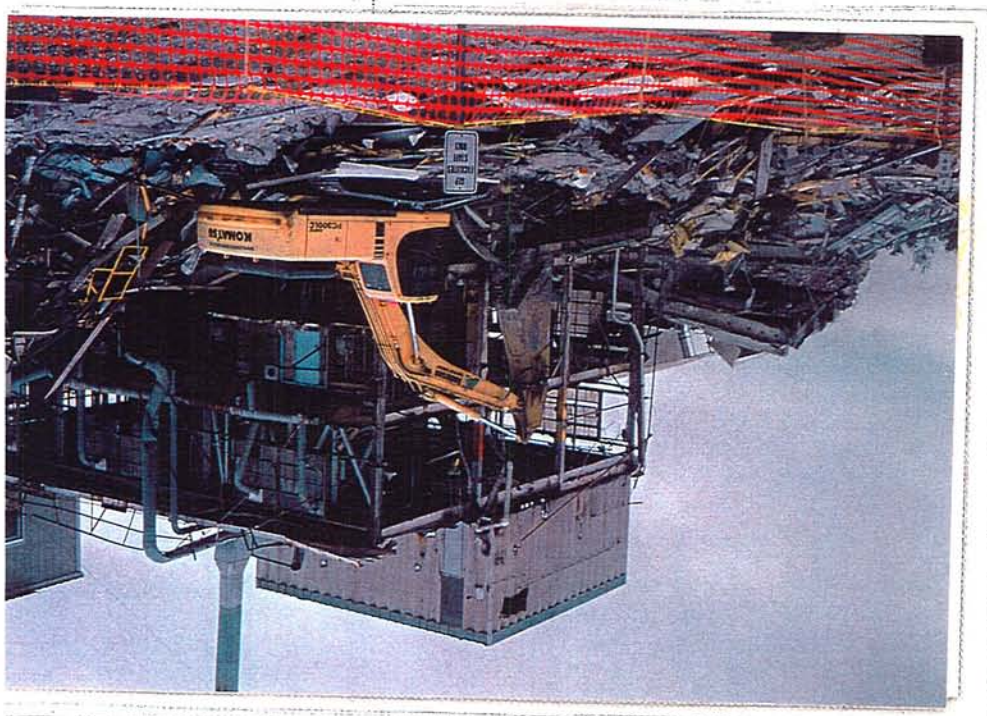
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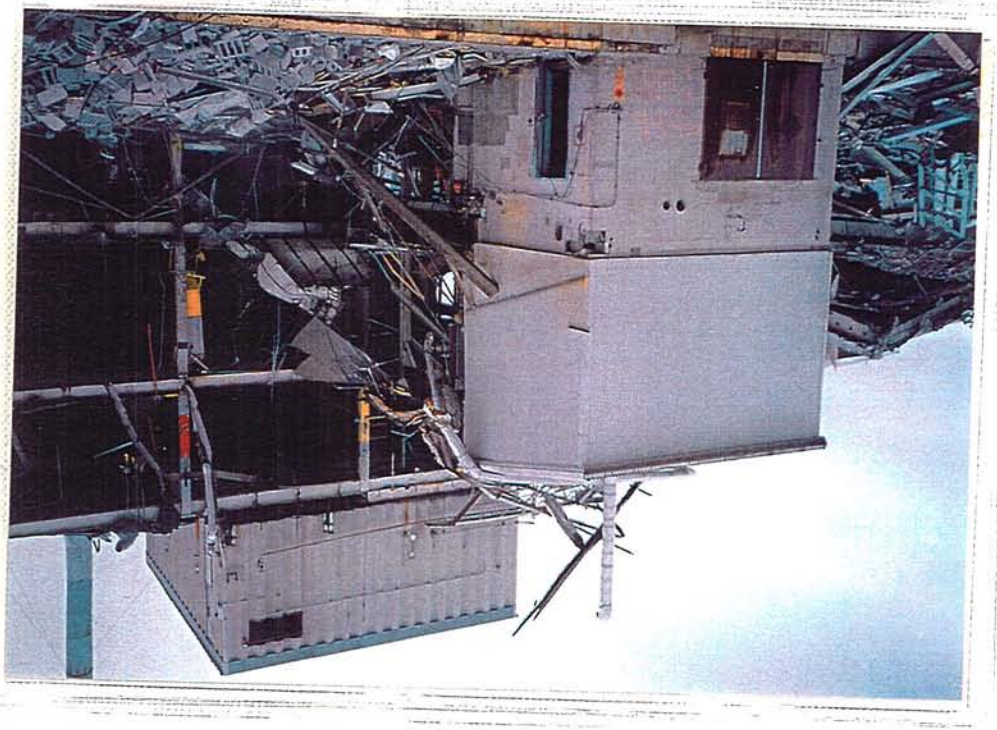

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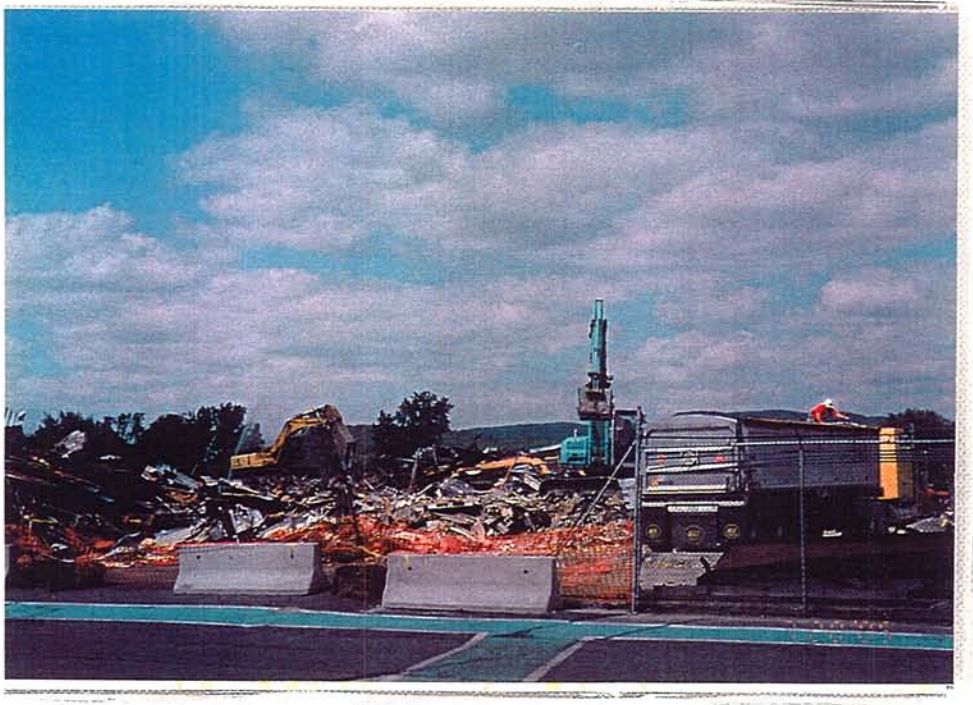

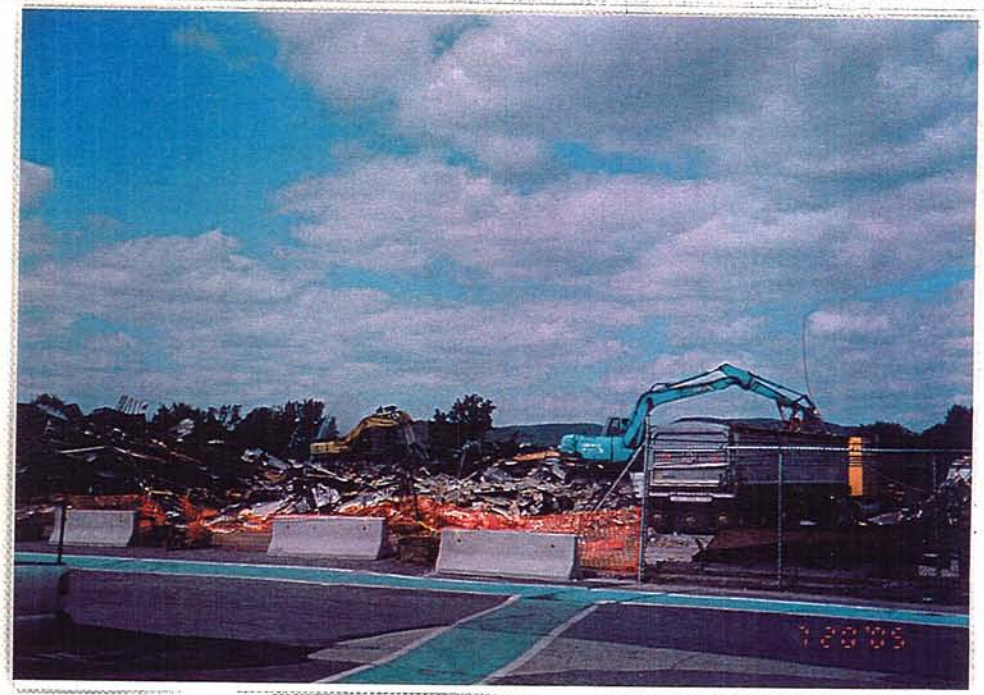

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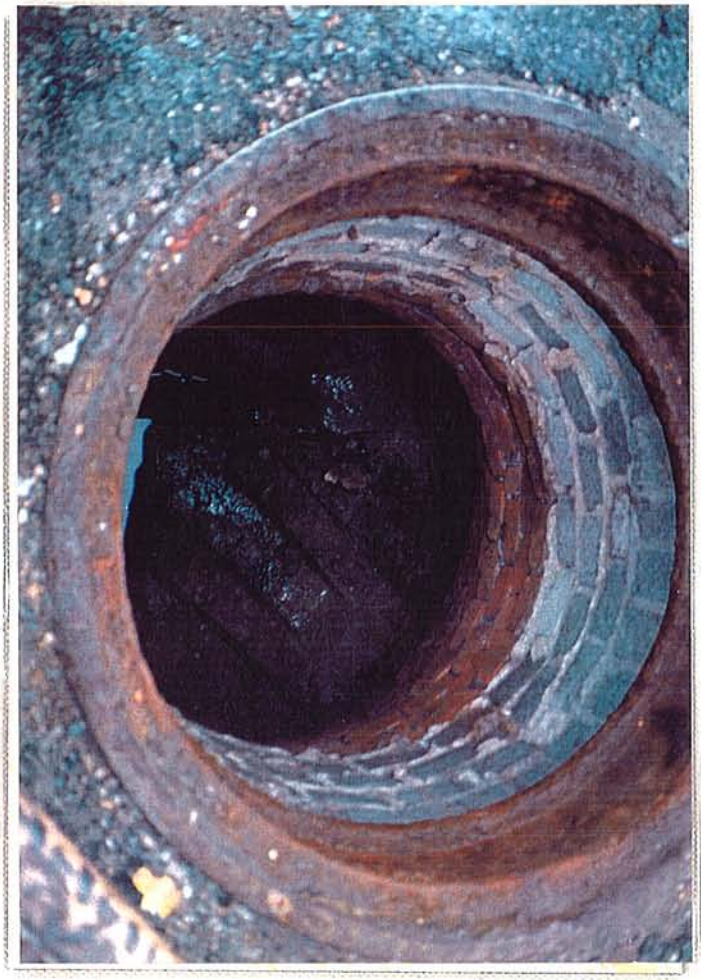

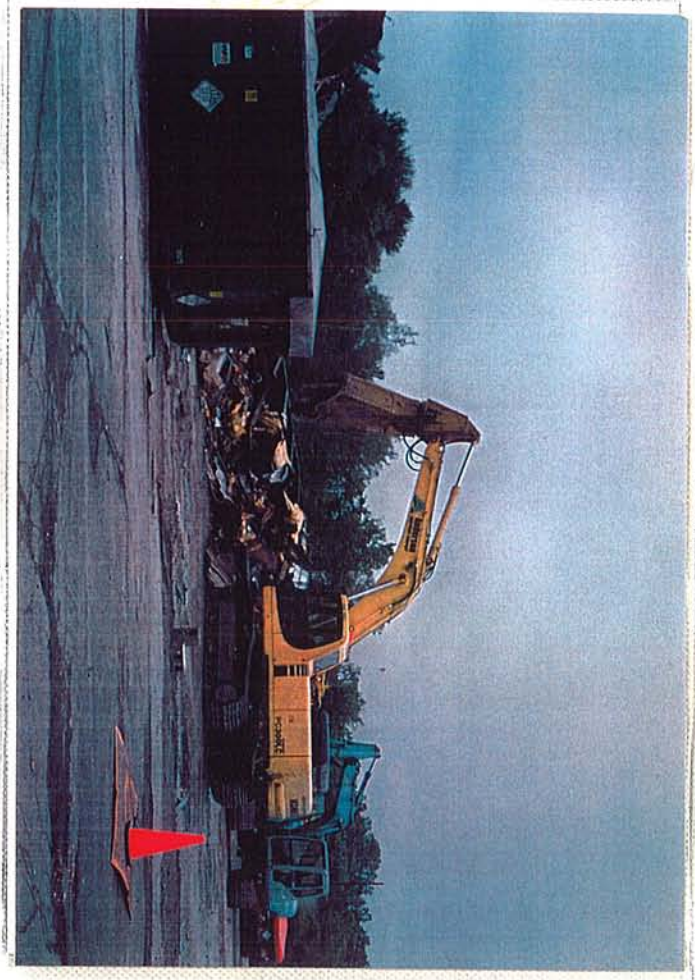

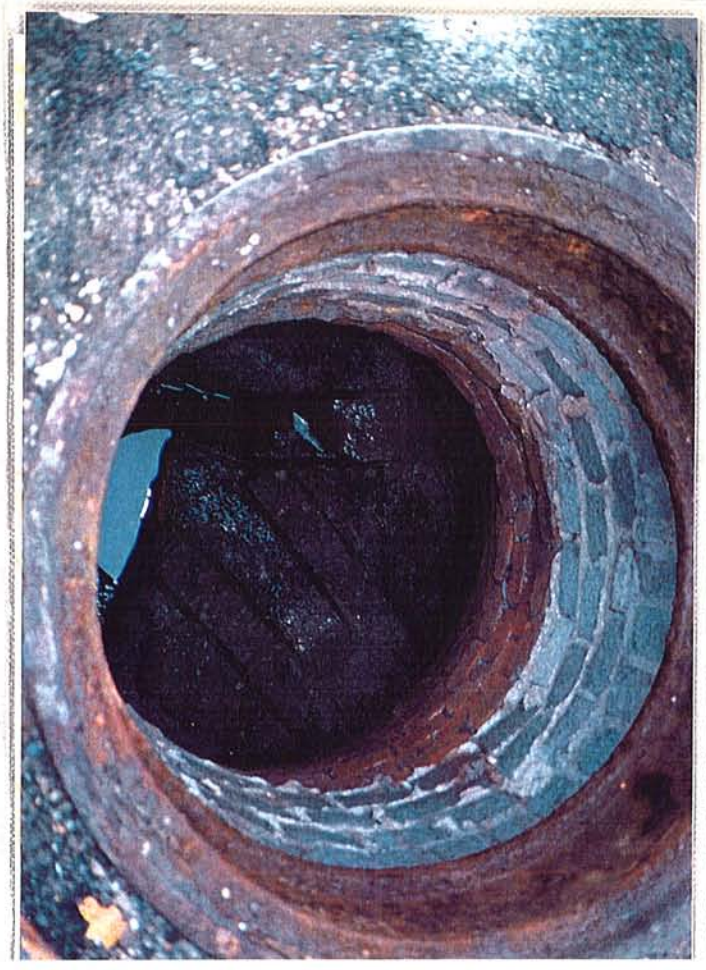

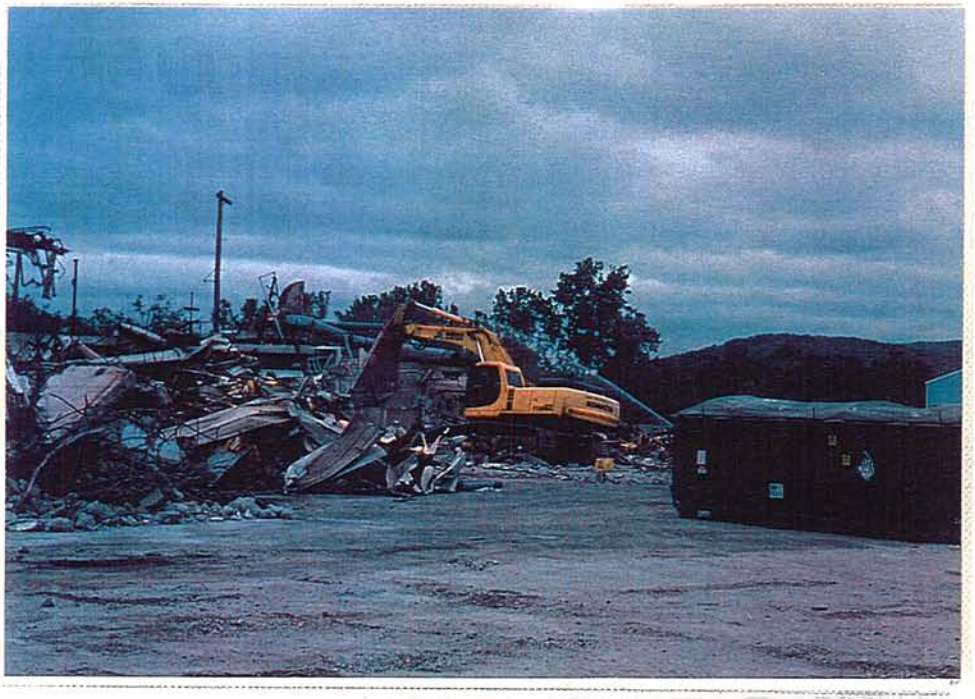

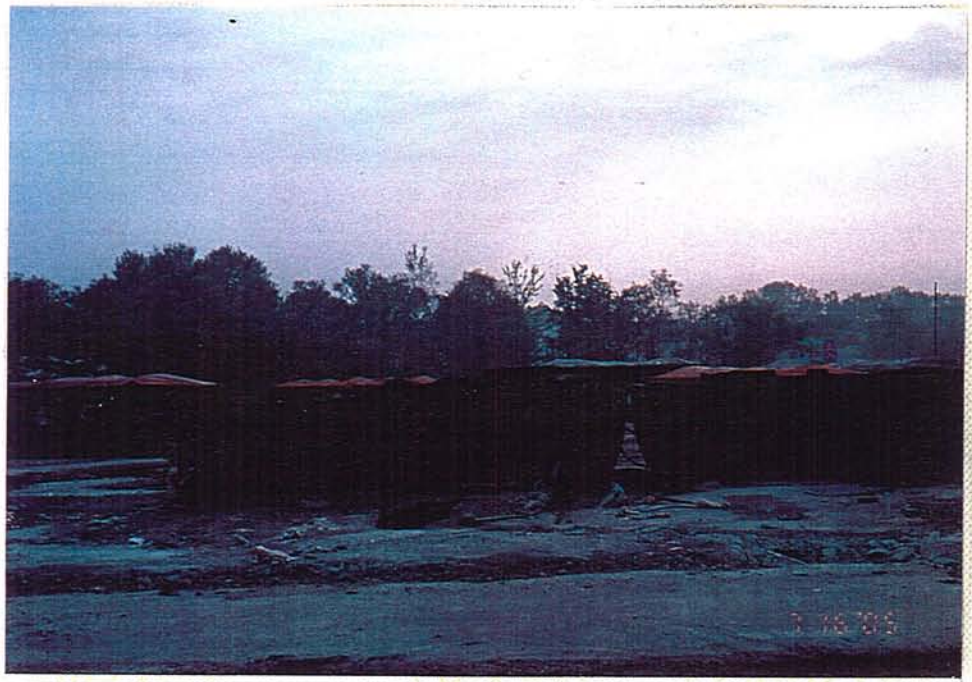


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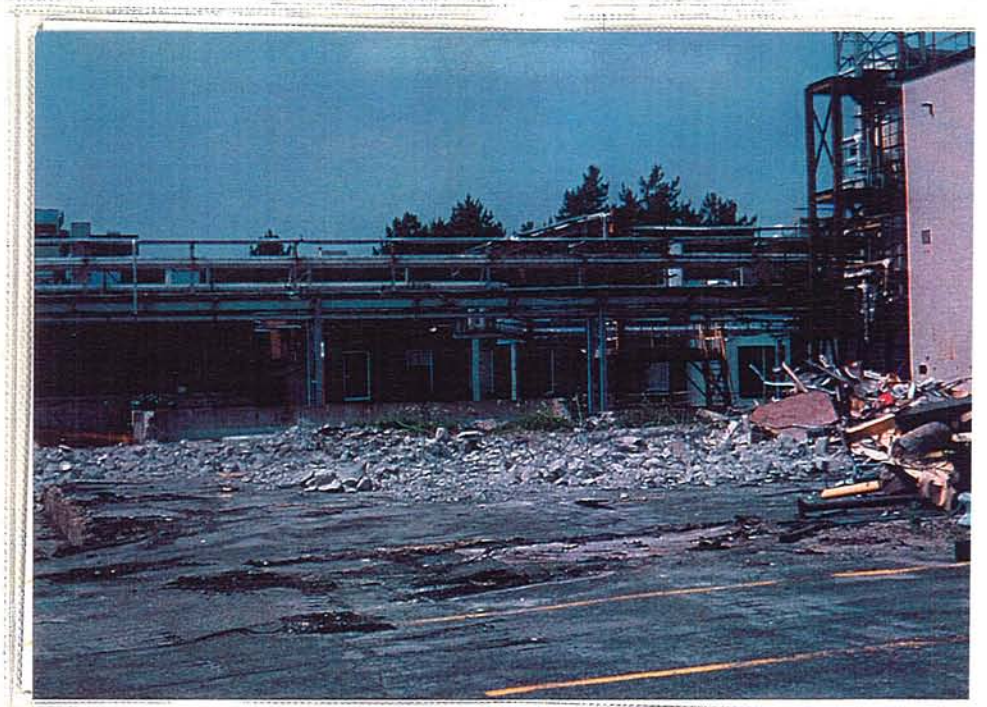

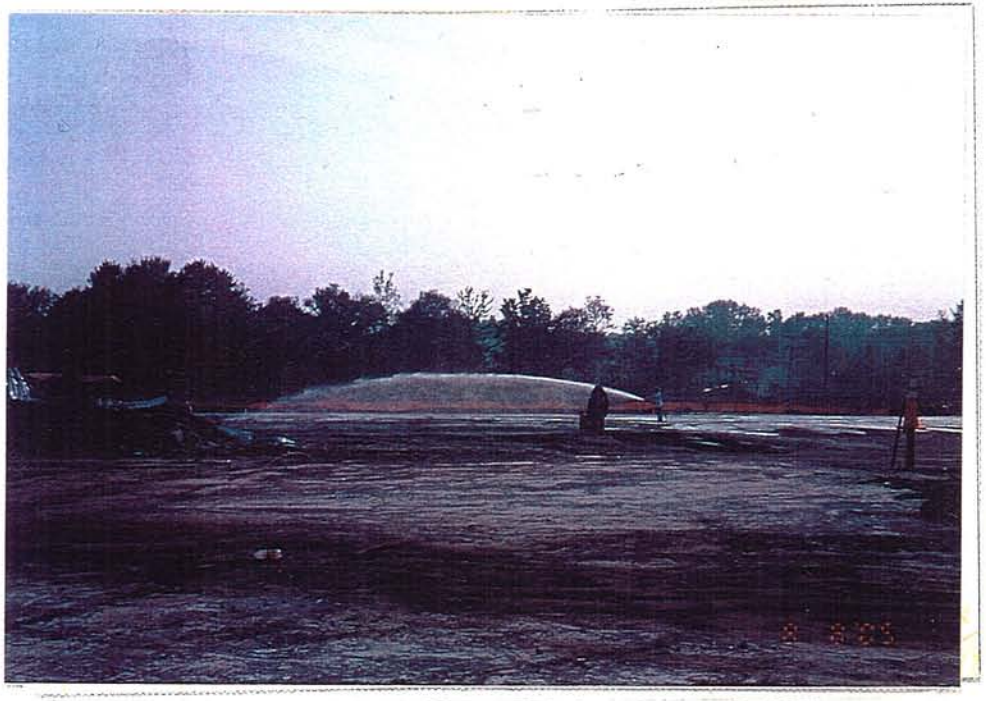

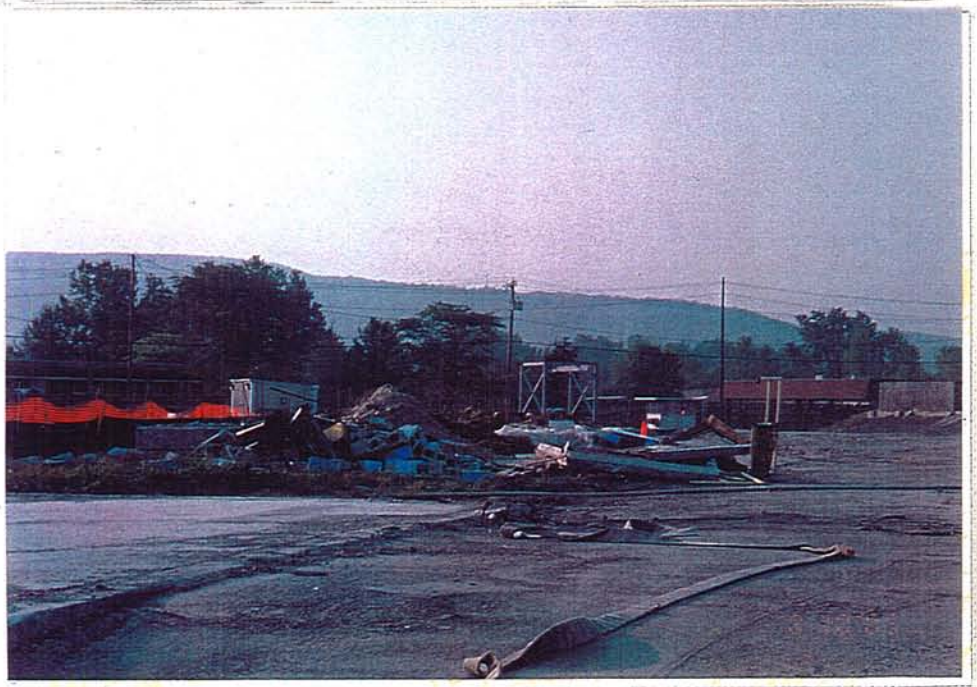

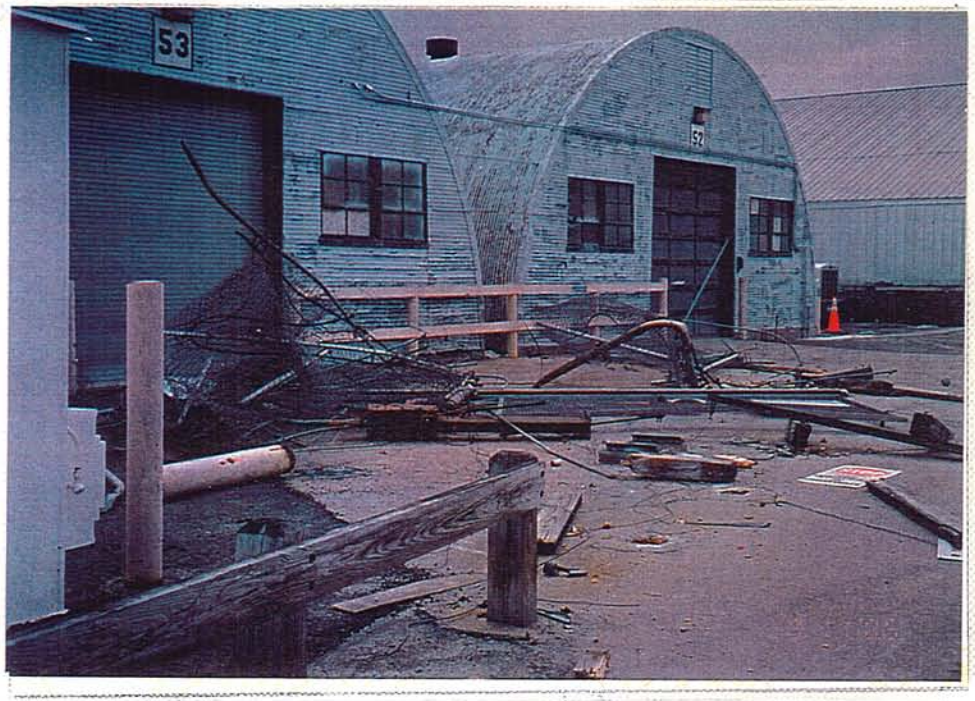
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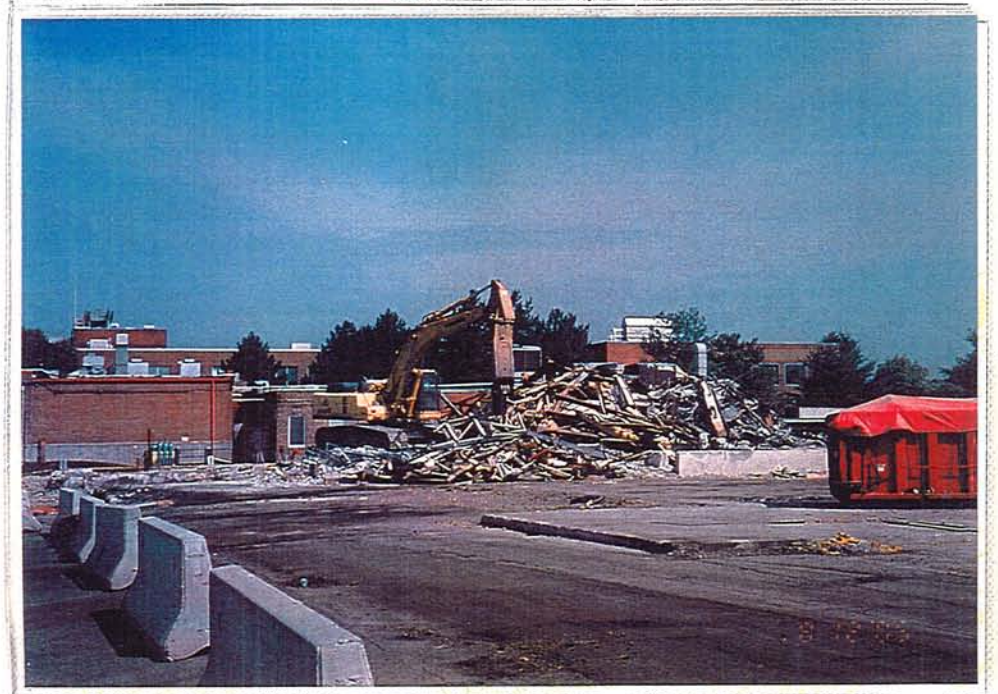

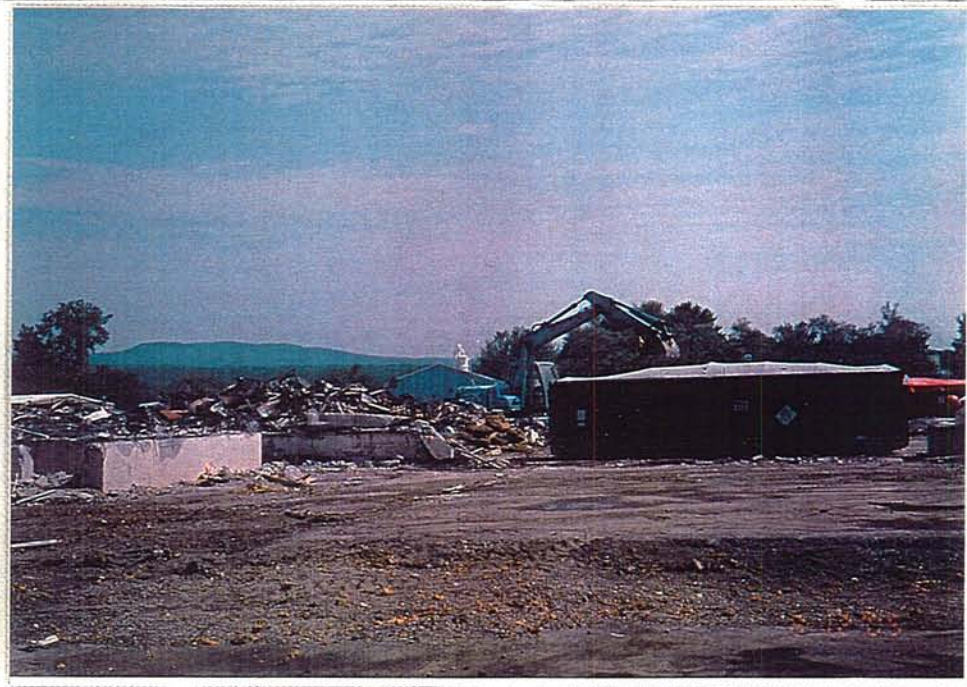

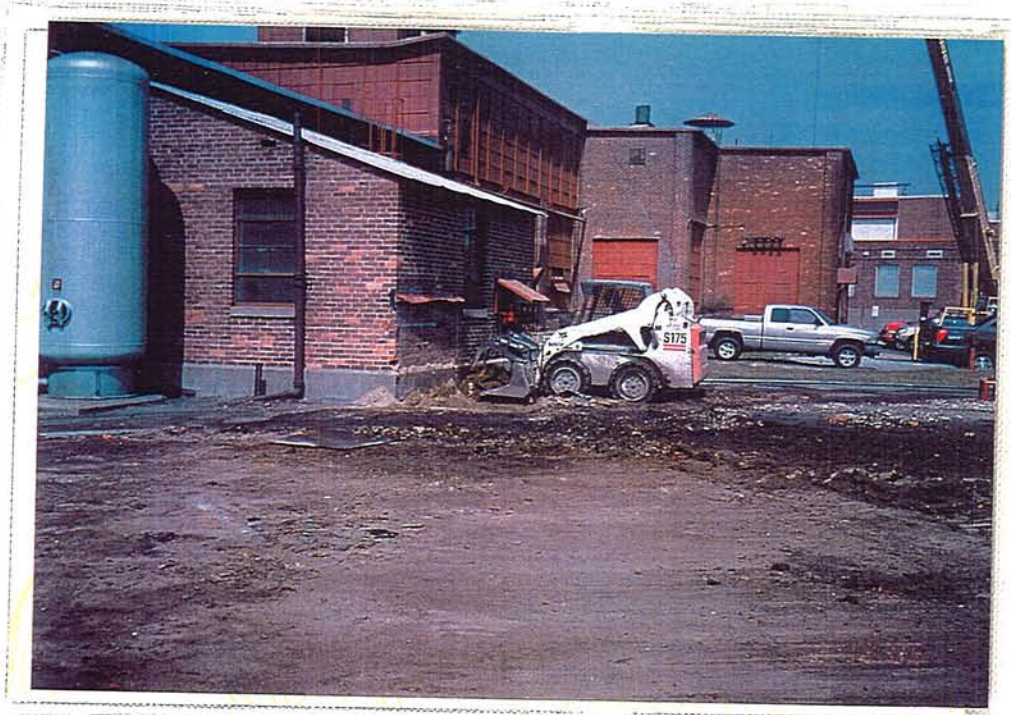
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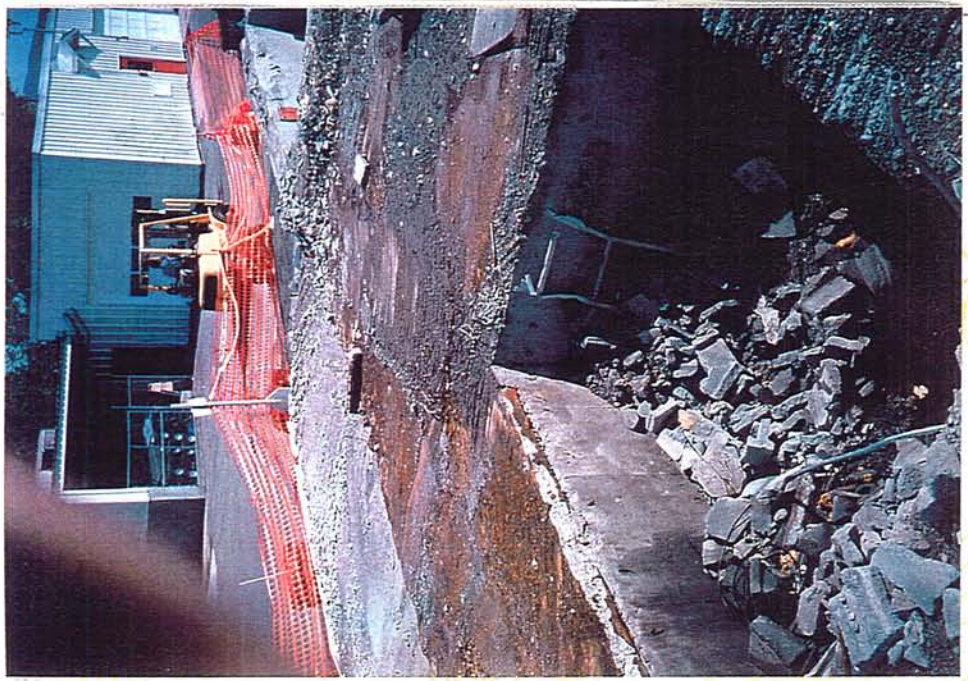

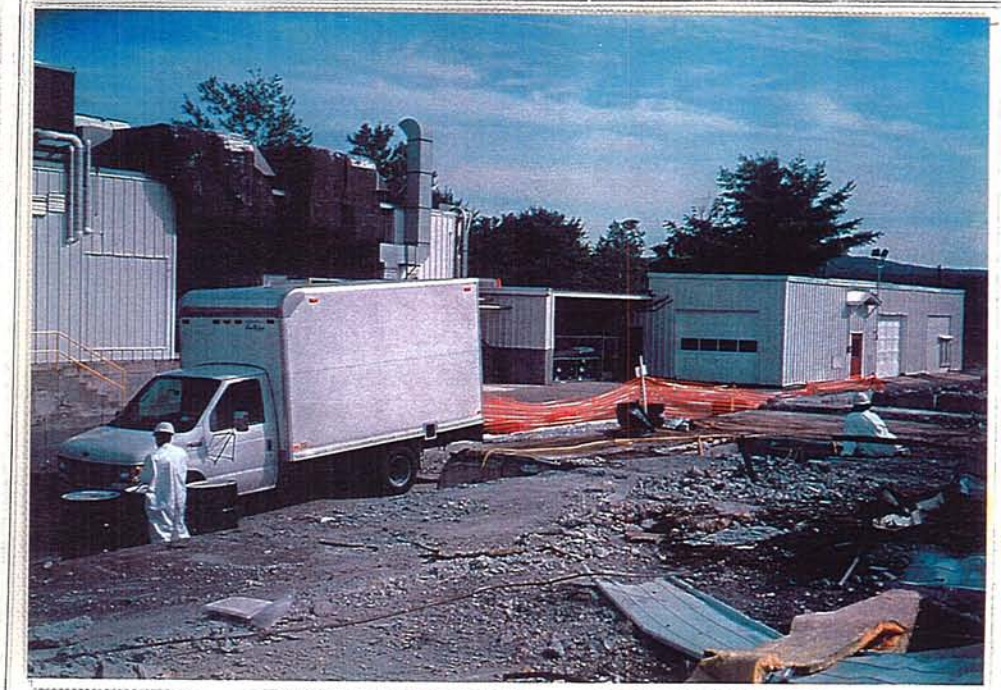

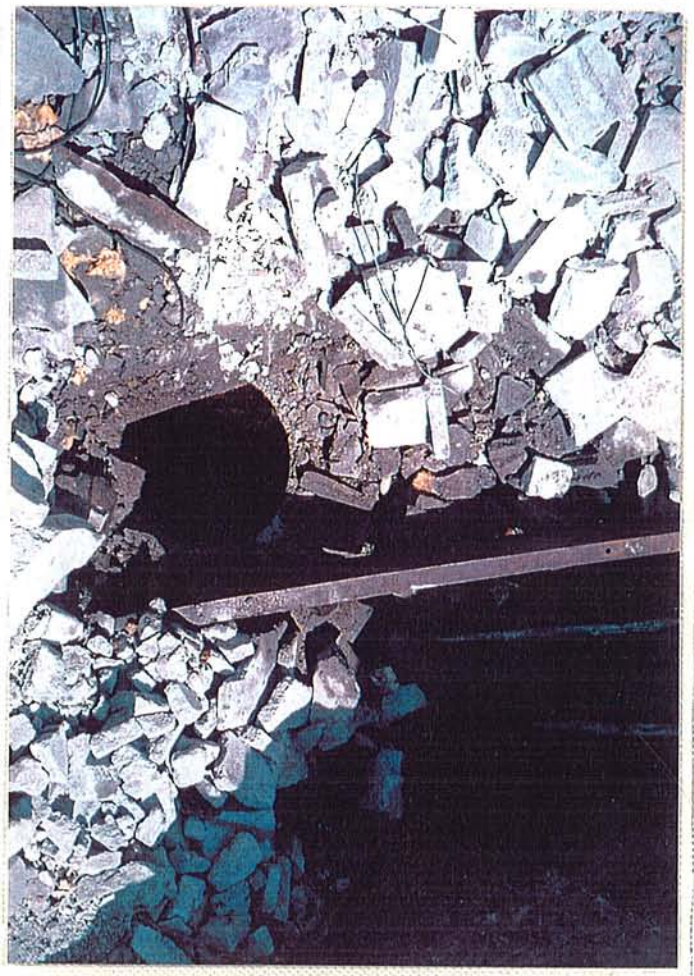

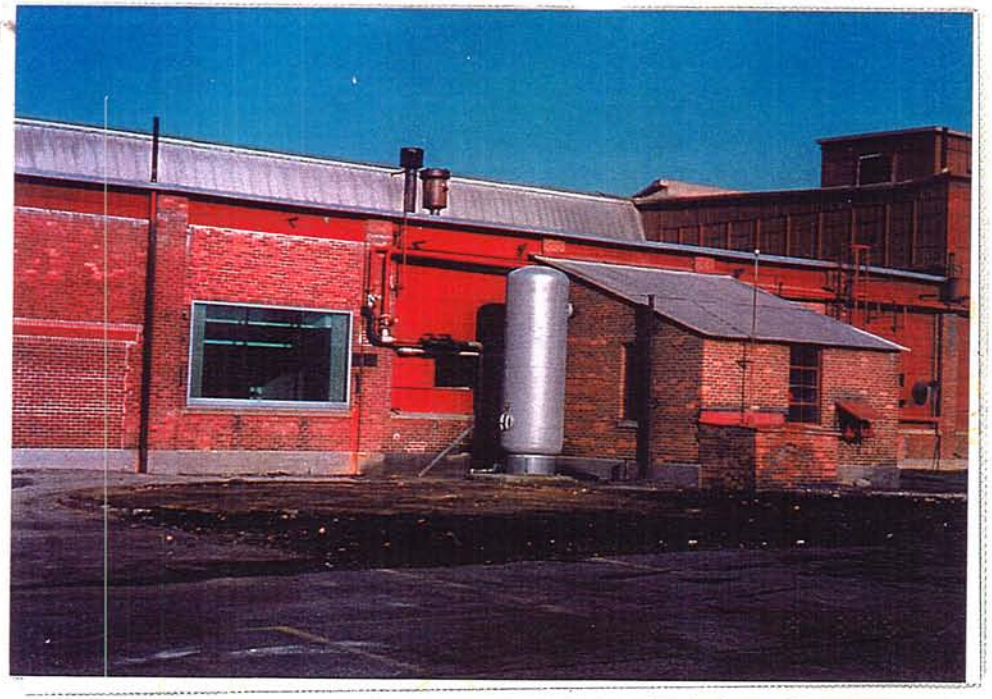

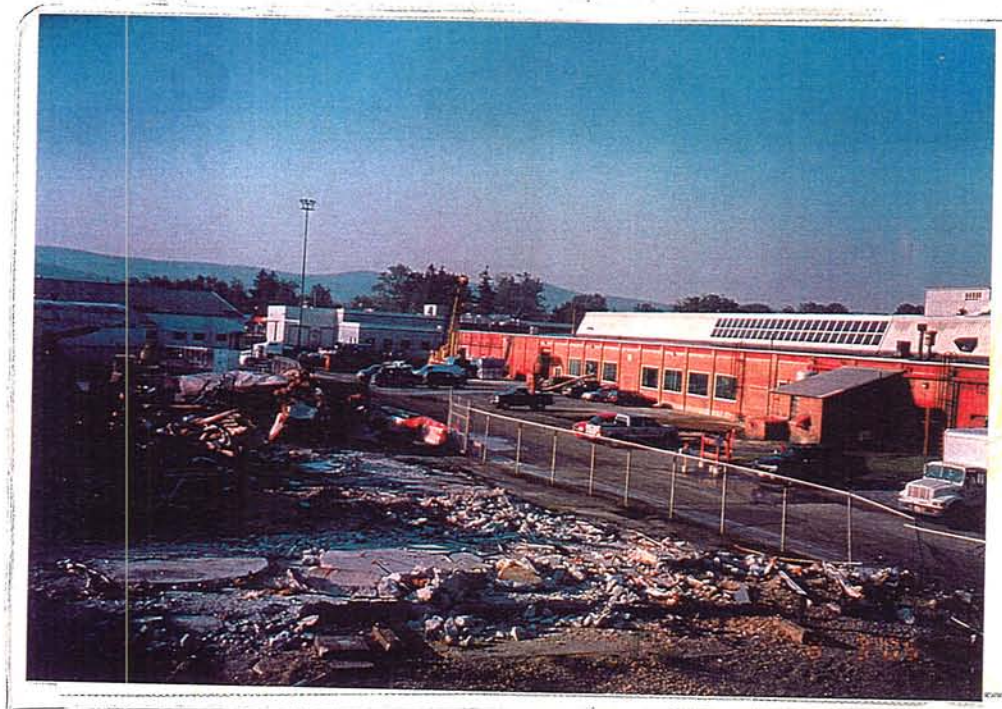


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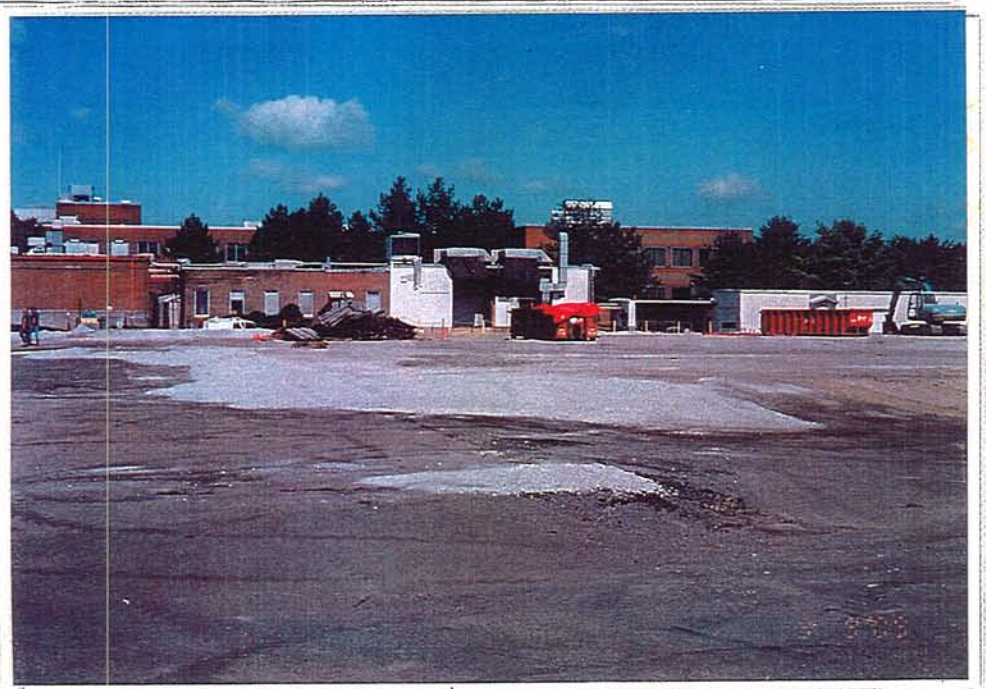

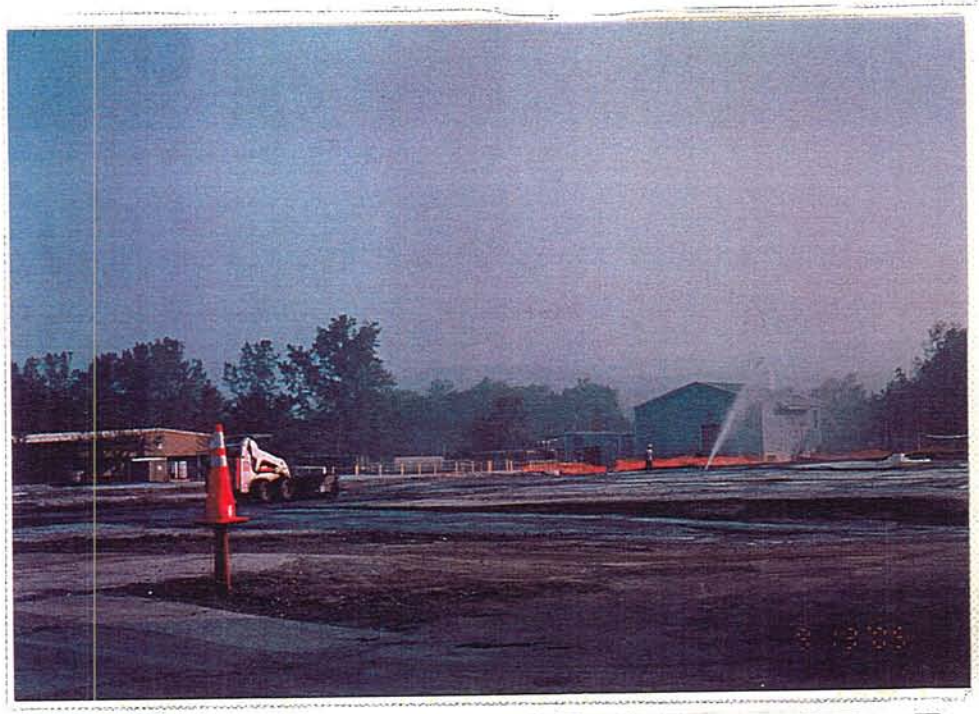

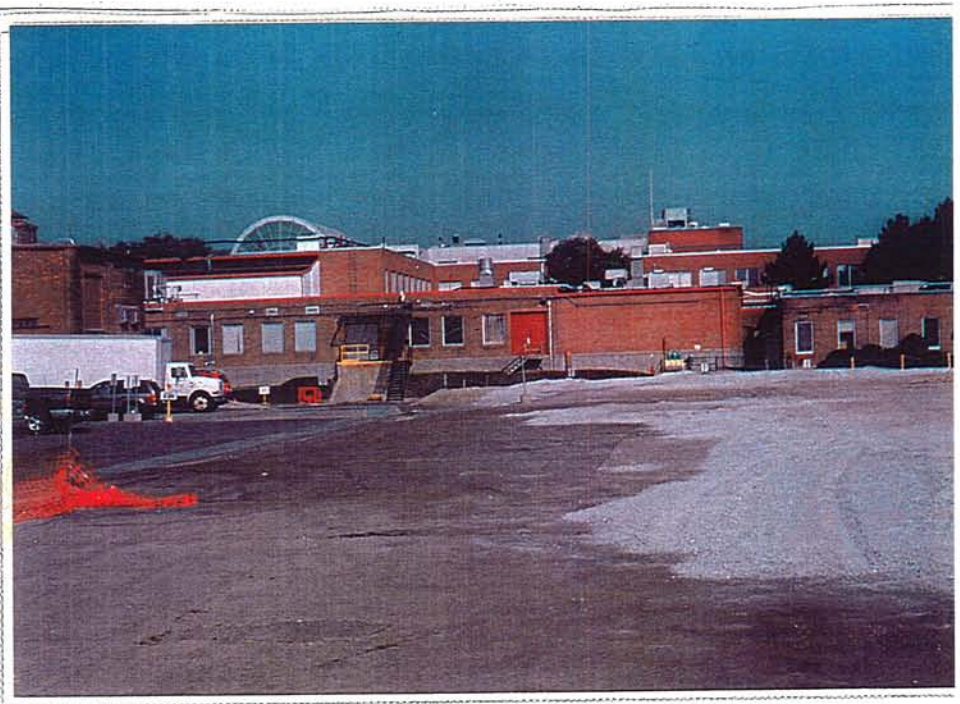

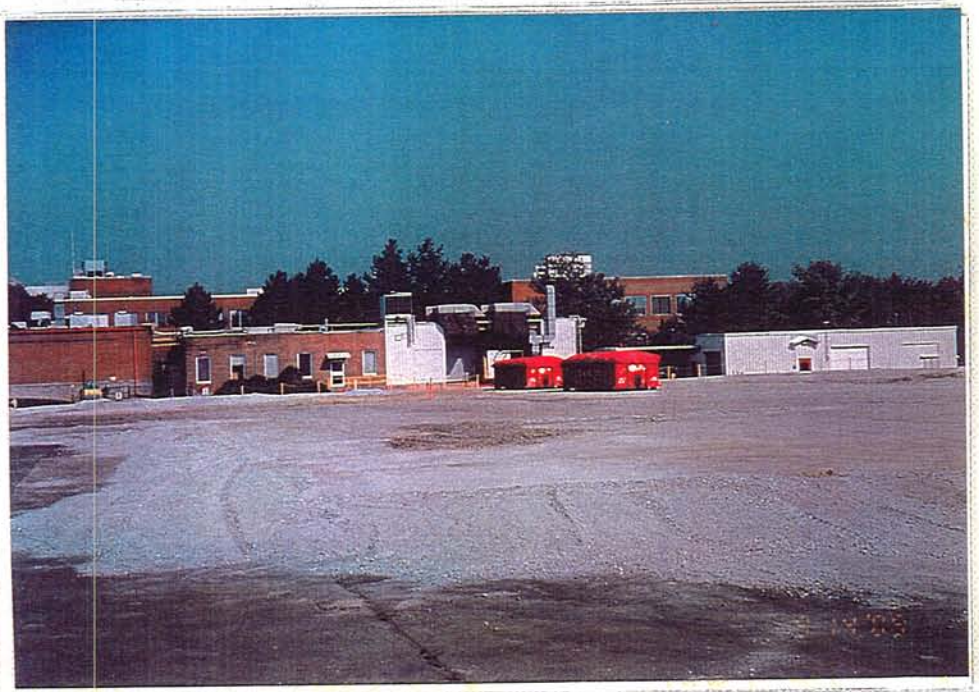

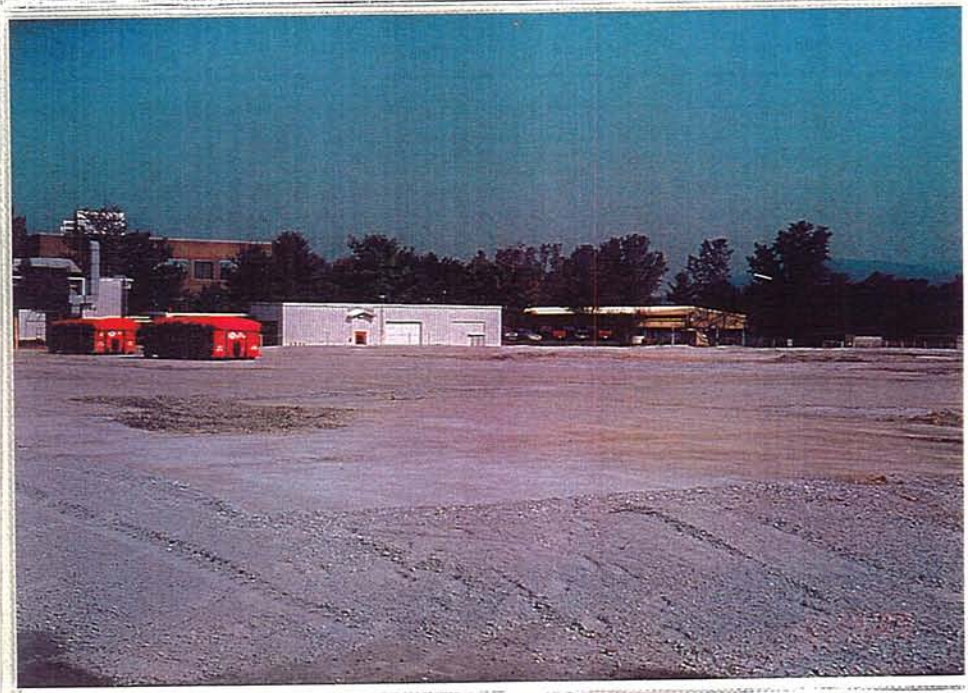

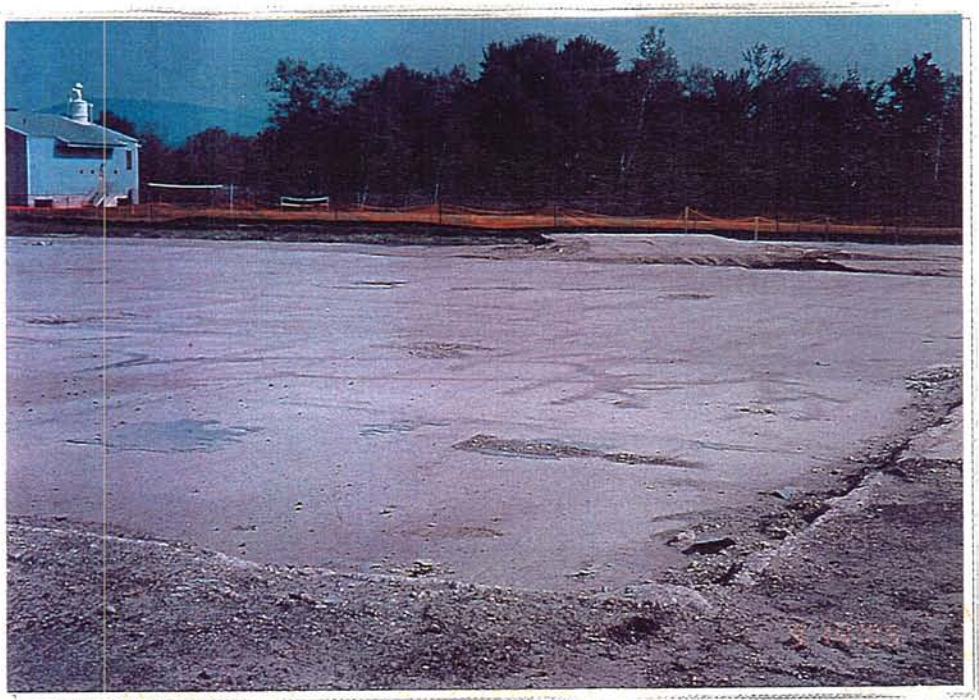

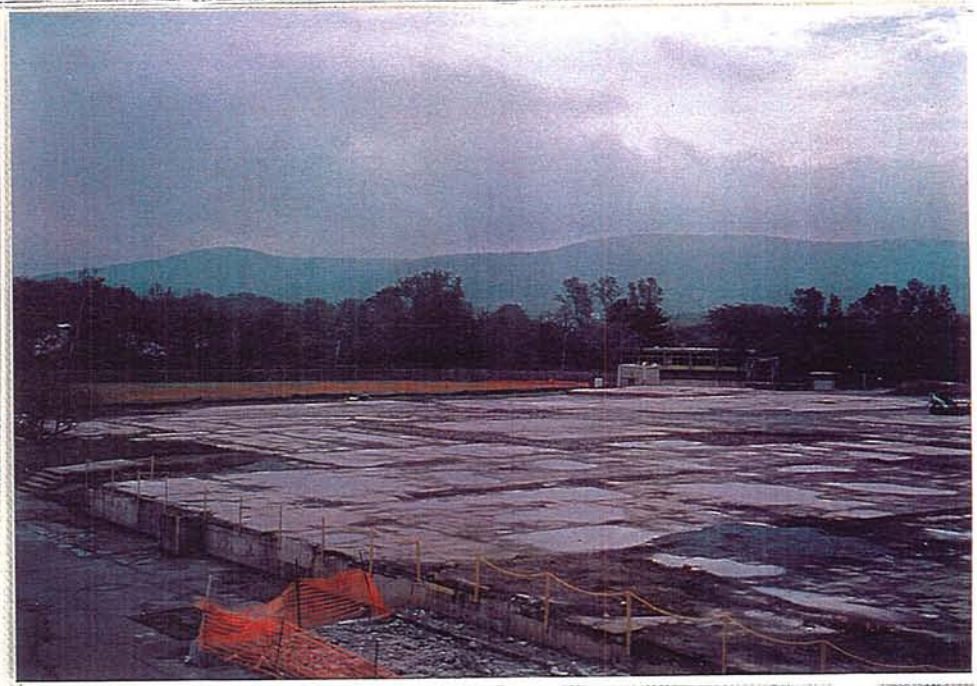

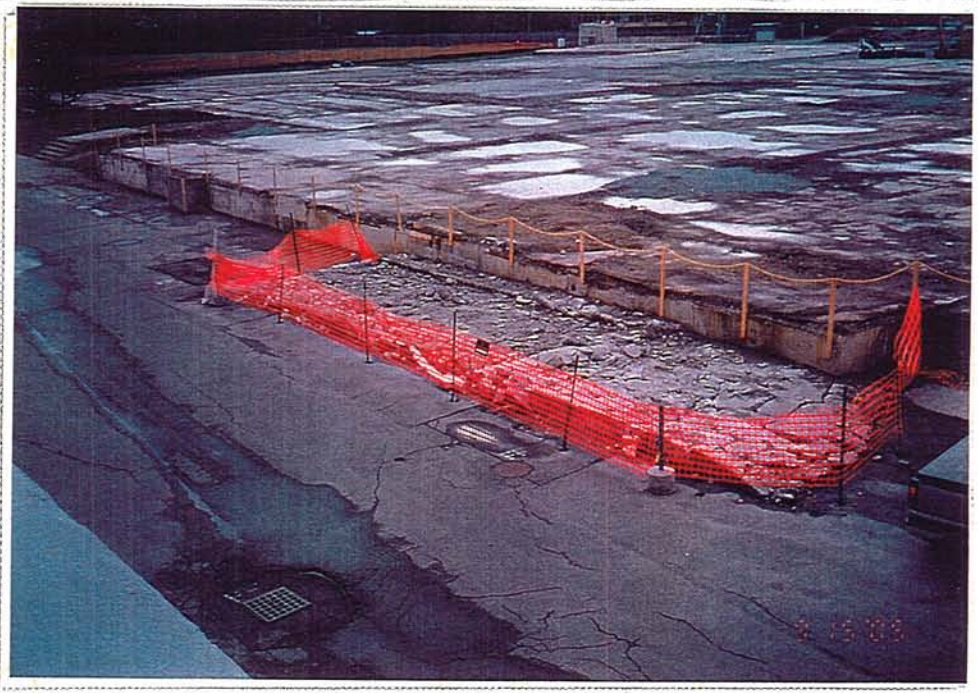

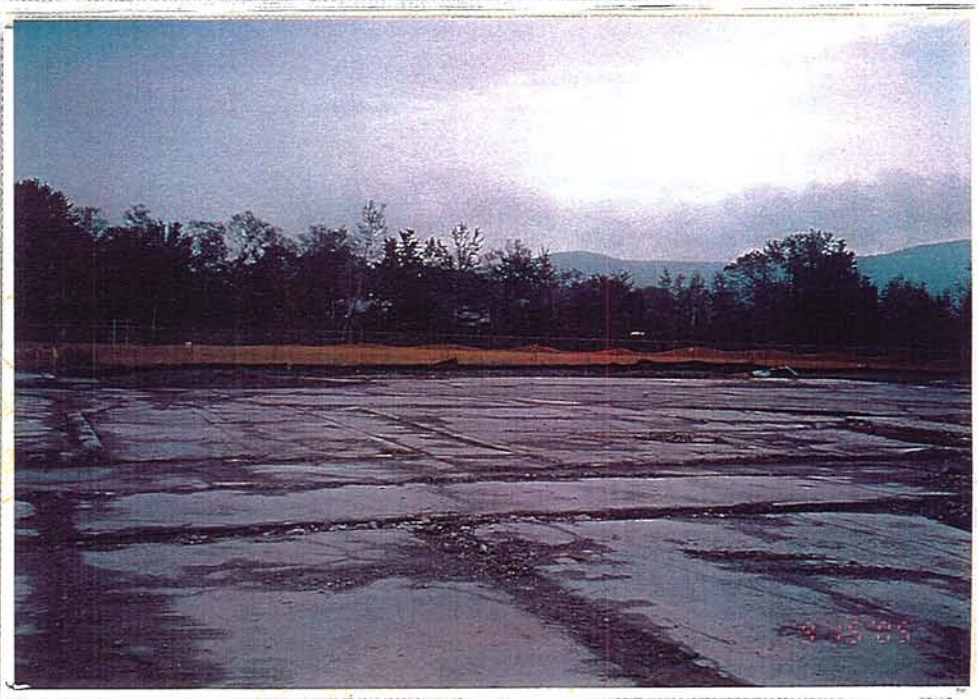

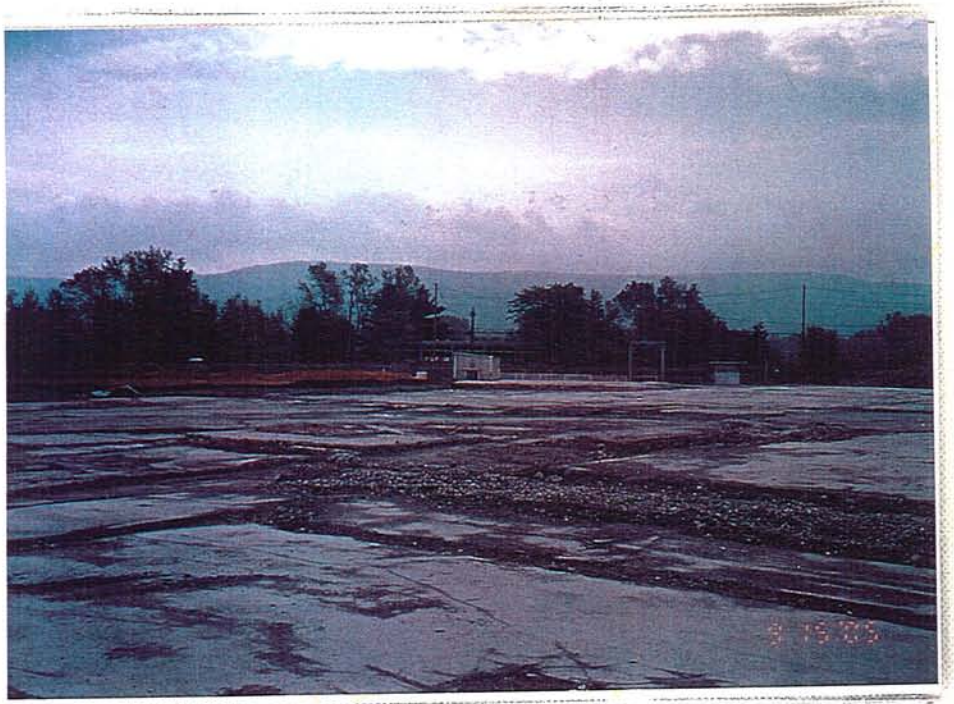

ARCADIS

Attachment B

Parcel K12-9-1 – Pre-Demolition
Aerial Photograph

LEGEND:

LIMITS OF LANDSCAPED AREA

K12–9–1 PROPERTY IDENTIFICATION

NOTES:

1. AERIAL PHOTOGRAPH DOWNLOADED FROM GOOGLE EARTH.

0 200' 400'

GRAPHIC SCALE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
SECOND SUPPLEMENT TO THE PRE-DESIGN INVESTIGATION REPORT FOR UNKAMET BROOK AREA REMOVAL ACTION

PARCEL K12-9-1 - LANDSCAPED AREA PRIOR TO DEMOLITION

ARCADIS

ATTACHMENT **B**

CITY: SYRACUSE DIV/GROUP: 141 DB: DMW DMW KLS LD: DMW PIC: PM: J. PISKORZ TM: LYR: ON=*;OFF=*REF*
G:\CAD\GE-CADIN-ACT\B004019\0000\000029\DWG\2ND SUPP\PCB\40190G08.DWG LAYOUT: BSAVED: 4/24/2008 10:58 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: ----PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/24/2008 10:58 AM BY: SARTORI, KATHERINE
XREFS: IMAGES: PROJECTNAME: ---
40190X12 40190X30.jpg

ARCADIS

Attachment C

Data Validation Report

Attachment C
Soil Sampling Data Validation Report
Unkamet Brook Soil Sampling

General Electric Company
Pittsfield, Massachusetts

1.0 General

This attachment summarizes the data validation review performed on behalf to the General Electric Company (GE) for soil samples collected between August and October 2007 as part of soil sampling activities conducted at the Unkamet Brook Site, located in Pittsfield, Massachusetts. The samples were analyzed for polychlorinated biphenyls (PCBs) by SGS Environmental Services, Inc. (formerly Paradigm Analytical Labs, Inc.) of Wilmington, North Carolina. Data validation was performed for nine PCB samples.

2.0 Data Evaluation Procedures

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

- *Field Sampling Plan/Quality Assurance Project Plan (FSP/QAPP), General Electric Company, Pittsfield, Massachusetts,* ARCADIS BBL (submitted by GE on March 30, 2007 and approved by EPA on June 13, 2007)*;*

- *Region I Tiered Organic and Inorganic Data Validation Guidelines*, USEPA Region I (July 1, 1993); and

- *Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses*, USEPA Region I (Draft, December 1996).

The data were validated to either a Tier I or Tier II level, as described below. Any deviations from the applicable quality control criteria utilized during the data review process are identified below. A tabulated summary of the Tier I/Tier II data review is presented in Table C-1. Each sample subject to evaluation is listed in Table C-1 to document that data review was performed. Samples that required data qualification are listed separately.

The following data qualifiers were used in this data evaluation:

J The compound was positively identified, but the associated numerical value is an estimated concentration. This qualifier is used when the data evaluation procedure identifies a deficiency in the data generation process. This qualifier is also used when a compound is detected at an estimated concentration less than the corresponding practical quantitation limit (PQL).

U The compound was analyzed for, but was not detected. The sample quantitation limit is presented. Non-detect sample results are presented as ND(PQL) within this report for consistency with documents previously prepared for investigations conducted at the GE-Pittsfield/Housatonic River Site.

UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is estimated and may or may not represent the actual level of quantitation. Non-detect sample results that required qualification are presented as ND(PQL) J within this report for consistency with documents previously prepared for investigations conducted at the GE-Pittsfield/Housatonic River Site.

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

3.0 Data Validation Procedures

Section 7.5 of the FSP/QAPP states that analytical data will be validated to a Tier I level following the procedures presented in the *Region I Tiered Organic and Inorganic Data Validation Guidelines* (EPA guidelines). The Tier I review consisted of a completeness evidence audit, as outlined in the *EPA Region I CSF Completeness Evidence Audit Program* (EPA Region I, July 31, 1991), to ensure that laboratory data and documentation were present. In the event data packages were determined to be incomplete, the missing information was requested from the laboratory. Upon completion of the Tier I review, the data packages complied with the EPA Region I Tier I data completeness requirements.

The Tier II data review consisted of a review of data package summary forms for identification of quality assurance/quality control (QA/QC) deviations and qualification of the data according to the Region I Data Validation Functional Guidelines. Additionally, field duplicates were examined for relative percent difference (RPD) compliance with the criteria specified in the FSP/QAPP.

A tabulated summary of the samples subject to Tier I and Tier II data review is presented in the following table.

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

Parameter	Tier I Only			Tier I &Tier II			Total
	Samples	Duplicates	Blanks	Samples	Duplicates	Blanks	
PCBs	3	0	1	3	1	1	9
Total	**3**	**0**	**1**	**3**	**1**	**1**	**9**

One of the two laboratory sample delivery group packages obtained between August and October 2007 (approximately 56% of the data) was randomly chosen to be subjected to Tier II review.

When qualification of the sample data was required, the sample results associated with a QA/QC parameter deviation were qualified in accordance with the procedures outlined in EPA Region I data validation guidance documents. When the data validation process identified several quality control deficiencies, the cumulative effect of the various deficiencies was employed in assigning the final data qualifier. A summary of the QA/QC parameter deviations that resulted in data qualification is presented in Section 4 below.

4.0 Summary of QA/QC Parameter Deviations Requiring Data Qualification

This section provides a summary of the deviations from the applicable QA/QC criteria that resulted in qualification of results.

Matrix spike/matrix spike duplicate (MS/MSD) sample analysis recovery criteria for organics require that the MS/MSD recovery must be within the laboratory-generated QC control limits specified on the MS reporting form. Sample results with MS/MSD recoveries that were less than the laboratory-generated QC control limits and have recoveries greater than 10% were qualified as estimated (J). The compounds that did not meet MS/MSD recovery criteria and the number of samples qualified due to those deviations are presented in the following table.

Compounds Qualified Due to MS/MSD Recovery Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	All Aroclors	1	J

Laboratory control sample/laboratory control sample duplicate (LCS/LCSD) sample analysis recovery criteria for organics require that the relative percent difference (RPD) between the LCS and LCSD recoveries be less than the laboratory-generated QC acceptance limits specified on the LCS/LCSD reporting form. The compounds that exceeded the RPD limit and the number of samples qualified due to deviations are presented in the following table.

Compounds Qualified Due to LCS/LCSD RPD Deviations

Analysis	Compound	Number of Affected Samples	Qualification
PCBs	All Aroclors	1	J

5.0 Overall Data Usability

This section summarizes the analytical data in terms of its completeness and usability. Data completeness is defined as the percentage of sample results that have been determined to be usable during the data validation process. The percent usability calculation included analyses evaluated under both the Tier I/II data validation reviews. The percent usability calculation also includes quality control samples (i.e., field/equipment blanks, trip blanks, and field duplicates) to aid in the evaluation of data usability. Data usability is summarized in the following table.

Data Usability

Parameter	Percent Usability	Rejected Data
PCBs	100	None

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

5.1 Precision

Precision measures the reproducibility of measurements under a given set of conditions. Specifically, it is a quantitative measure of the variability of a group of measurements compared to their average value. For this investigation, precision was defined as the RPD between duplicate sample results. The duplicate samples used to evaluate precision included field duplicates, MS/MSD samples, and LCS/LCSD samples. For this analytical program, 11.1% of the data required qualification due to LCS/LCSD RPD deviations. None of the data required qualification due to field duplicate RPD deviations or MS/MSD RPD deviations.

5.2 Accuracy

Accuracy measures the bias in an analytical system or the degree of agreement of a measurement with a known reference value. For this investigation, accuracy was defined as the percent recovery of QA/QC samples that were spiked with a known concentration of an analyte or compound of interest. The QA/QC samples used to evaluate analytical accuracy included instrument calibration, LCS/LCSDs, MS/MSD samples, and surrogate compound recoveries. For this analytical program, 11.1% of the data required qualification due to MS/MSD recovery deviations. None of the data required qualification due to instrument calibration deviations, LCS/LCSD recoveries, or surrogate compound recovery deviations.

5.3 Representativeness

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

5.4 Comparability

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another. This goal was achieved through the use of the standardized techniques for sample collection and analysis presented in the FSP/QAPP. Specifically, all the soil samples collected between August and October 2007 were analyzed by EPA SW-846 method 8082 for PCBs.

5.5 Completeness

Completeness is defined as the percentage of measurements that are judged to be valid or usable to meet the prescribed DQOs. The completeness criterion is essentially the same for all data uses -- the generation of a sufficient amount of valid data. This analytical data set had an overall usability of 100%.

TABLE C - 1
ANALYTICAL DATA VALIDATION SUMMARY
UNKAMET BROOK AREA 2007

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

Sample Delivery Group No.	Sample ID	Date Collected	Matrix	Validation Level	Qualification	Compound	QA/QC Parameter	Value	Control Limits	Qualified Result	Notes
PCBs											
G135-482	RAA10-E-BBB27 (0 - 1)	8/30/2007	Soil	Tier II	No						
G135-482	RAA10-E-DUP-004 (0 - 1)	8/30/2007	Soil	Tier II	No						Parent Sample RAA10-E-BBB27
G135-482	RAA10-E-KKLL6.5 (0 - 1)	8/30/2007	Soil	Tier II	Yes	Aroclor-1016	MS/MSD %R	12.8%, 16.5%	32.0% to 142%	ND(0.31) J	
						Aroclor-1221	MS/MSD %R	12.8%, 16.5%	32.0% to 142%	ND(0.31) J	
						Aroclor-1232	MS/MSD %R	12.8%, 16.5%	32.0% to 142%	ND(0.31) J	
						Aroclor-1242	MS/MSD %R	12.8%, 16.5%	32.0% to 142%	ND(0.31) J	
						Aroclor-1248	MS/MSD %R	12.8%, 16.5%	32.0% to 142%	ND(0.31) J	
						Aroclor-1254	MS/MSD %R	12.8%, 16.5%	32.0% to 142%	0.46 J	
						Aroclor-1260	MS/MSD %R	12.8%, 16.5%	32.0% to 142%	1.4 J	
						Total PCBs	MS/MSD %R	12.8%, 16.5%	32.0% to 142%	1.86 J	
G135-482	RAA10-E-MMNN8.5 (0 - 1)	8/30/2007	Soil	Tier II	No						
G135-482	RB-20070830-1	8/30/2007	Water	Tier II	Yes	Aroclor-1016	LCS/LCSD RPD	33.8%	<30%	ND(0.00010) J	
						Aroclor-1221	LCS/LCSD RPD	33.8%	<30%	ND(0.00010) J	
						Aroclor-1232	LCS/LCSD RPD	33.8%	<30%	ND(0.00010) J	
						Aroclor-1242	LCS/LCSD RPD	33.8%	<30%	ND(0.00010) J	
						Aroclor-1248	LCS/LCSD RPD	33.8%	<30%	ND(0.00010) J	
						Aroclor-1254	LCS/LCSD RPD	33.8%	<30%	ND(0.00010) J	
						Aroclor-1260	LCS/LCSD RPD	33.8%	<30%	ND(0.00010) J	
						Total PCBs	LCS/LCSD RPD	33.8%	<30%	ND(0.00010) J	
G135-525	RAA10-E-BBBCCC27 (0 - 1)	10/23/2007	Soil	Tier I	No						
G135-525	RAA10-E-CCC27 (0 - 1)	10/23/2007	Soil	Tier I	No						
G135-525	RAA10-E-CCCDDD27 (0 - 1)	10/23/2007	Soil	Tier I	No						
G135-525	RB-102307-1	10/23/2007	Water	Tier I	No						