SLAG REMOVAL ACTION SUMMARY REPORT

FORMER GORHAM MANUFACTURING SITE
333 ADELAIDE AVENUE
PROVIDENCE, RHODE ISLAND

SEPTEMBER 2006
September 29, 2006

Mr. Joe Martella
Rhode Island Department of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, Rhode Island 02908

RE: Submittal of Slag Removal Summary Report
Former Gorham Manufacturing Facility
33 Adelaide Avenue
Providence, RI
MACTEC PN: 3650050041.02

Dear Mr. Martella:

MACTEC Engineering and Consulting, Inc. (MACTEC) is providing, on behalf of Textron, Inc., the Slag Removal Summary Report in accordance with the Superior Court Consent Order dated March 29, 2006 and Section 11 of the Remediation Regulations. We have enclosed three copies of the report; one set has a full set of the laboratory analytical data presented in Appendix D, while the two other copies include the laboratory data in pdf form on a compact disk. We have also enclosed a compact disk containing the full Slag Removal Summary Report in pdf form.

This summary report documents the removal of the metal debris and slag material from the site for off-site disposal. Following the excavation of the slag material confirmatory soil samples were collected. This data was provided to Rhode Island Department of Environmental Management (RIDEM) to support the backfill and restoration of the site. On August 15, 2006 RIDEM notified Textron and MACTEC via email to stop backfilling until the extent of slag removal could be confirmed. A meeting has been scheduled for October 4, 2006 with RIDEM to resolve these outstanding issues. Once these issues have been resolved, Textron will proceed with the site restoration activities. These remaining activities will be documented in an addendum letter at the completion of the removal action.

Please feel free to contact either Greg Simpson, Textron (401-457-2635), or myself (781-245-6606) if you have any questions regarding the enclosed Slag Removal Summary Report and we look forward to our meeting on October 4, 2006 at RIDEM.

Sincerely,

MACTEC Engineering and Consulting, Inc.

David E. Heislein
Project Manager

Daron Kurkjian
Project Engineer
Enclosures: Slag Removal Summary Report, September 2006 (3 copies and 1 CD)

cc: Senator Juan Pichardo, District 2 (1 copy)
    Representative Thomas Slater, (1 copy)
    Thomas Deller, City of Providence (1 copy)
    Peter Grivers, EA Engineering, Science and Technology, Inc. (1 electronic copy)
    Greg Simpson, Textron, Inc. (electronic copy)
    David McCabe, Textron, Inc. (electronic copy)
    Repository - Knight Memorial Library
    MACTEC Project Files [P/W2/Textron/Gorham/Slag Removal/Summary Report/Cover Letter 092906.doc]
SLAG REMOVAL ACTION SUMMARY REPORT
FORMER GORHAM MANUFACTURING FACILITY
333 ADELAIDE AVENUE
PROVIDENCE, RHODE ISLAND

Prepared for:
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Providence, Rhode Island 02903

Prepared by:
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MACTEC Project Number: 3650050041.02

SEPTEMBER 2006

Reviewed and Approved by:
Daron Kurkjian
Project Engineer

Date

David E. Heislein
Project Manager

Date
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LIST OF ACRONYMS

AL  Action Level

cy  cubic yard

GPS  global positioning system

MACTEC  MACTEC Engineering and Consulting, Inc.
MCE  Mixed Cellulose Ester
mg/m³  milligrams per cubic meter
mg/kg  milligrams per kilogram

OSHA  Occupational Safety and Health Administration

PEL  Permissible Exposure Limit
PP  priority pollutant
ppm  parts per million

QA/QC  Quality Control/ Quality Assurance

RCRA  Resource Conservation and Recovery Act
Remediation Regulations  Remediation of Hazardous Materials Releases
RIDEM  Rhode Island Department of Environmental Management

SVOC  semi-volatile organic compound

TCLP  Toxicity Characteristic Leaching Procedure
Textron  Textron, Inc.
TPH  Total Petroleum Hydrocarbons

UCLs  Upper Concentration Limits

XRF  X-ray fluorescence
1. INTRODUCTION

This Slag Removal Summary Report describes remedial actions undertaken at the Former Gorham Manufacturing Facility located at 333 Adelaide Avenue, Providence, Rhode Island. This Report has been prepared pursuant to Section 11.0 (Remedial Action) of the State of Rhode Island Department of Environmental Management (RIDEM) Rules and Regulations for the Investigation and Remediation of Hazardous Materials Releases (hereafter referred to as the Remediation Regulations) on behalf of Textron, Inc. (Textron) by MACTEC Engineering and Consulting, Inc. (MACTEC). The location and general footprint of the former manufacturing facility are shown on Figure 1.

Gorham Silver manufactured silver flatware and bronze statues and other products at the Facility from 1890 to 1986. Slag material from a former smelting operation was identified at the Site and sampled as part of prior site investigations. The slag had unique physical properties that made it readily distinguishable from surrounding fill and native soils. The slag was black to brown, blocky, vitreous and was mainly made up of chunks from two (2) to eight (8) inches in size. Some finer and some larger pieces were encountered but over ¾ of the materials encountered were of the 2 to 8-inch size. Analytical results from slag samples were compared to Upper Concentration Limits (UCLs) per Rule 8.07 of the Remediation Regulations. The UCL for any hazardous substance in soil, except for Total Petroleum Hydrocarbons (TPH), is 10,000 parts per million (ppm). Concentrations of lead exceeded the lead UCLs.

A Superior Court Consent Order (Consent Order) dated March 29, 2006 between RIDEM and the City of Providence required the removal of the “so-called slag pile” from the Site. The slag area was addressed in Section 1.0: Removal Actions of the Consent Order. In addition, the City was required to remove metal debris approximately located on the upland portions of Parcel C and/or D, behind Parcel B. Based on a 1994 agreement between the City of Providence and Textron, Textron agreed to conduct the removal of the so-called slag pile and metal debris for off-site disposal. The Consent Order contained an additional removal requirement for piles of material including soil, solid waste and demolition debris from behind the Stop & Shop Supermarket, which is being addressed directly by the City and not detailed in this submission.

This report summarizes the removal activities including metal debris removal, site preparation, slag excavation and off-site transport and disposal, confirmatory soil sampling, and site
restoration. As specified in the Consent Order, this summary report has been submitted to RIDEM prior to the September 29, 2006 deadline.
2. WORK ACTIVITIES CONDUCTED

As required by the Consent Order, the metal debris and the “so-called slag pile” were removed from the Site. A MACTEC Slag Removal Work Plan detailing the planned removal activities was submitted to RIDEM on May 28, 2006. On June 2, 2006, RIDEM responded to the Slag Removal Work Plan with review comments in a letter. This section of the report describes these removal activities at the Site.

2.1 METAL DEBRIS REMOVAL

Scattered miscellaneous metal debris was identified at select locations on Parcel D and along the property boundary with Parcels B and C. In addition, a rusted metal fence running from north to south across the slag pile existed at the Site. A 30 cubic yard (cy) container was placed inside the school construction fence near the gate in the northeast corner of Parcel B. This container was used to store metal debris collected from Parcel D for off-site disposal.

Metal debris was catalogued by MACTEC prior to disposal. This log included the debris’s global positioning system (GPS) coordinates and photographs of each item prior to and following removal. MACTEC documented the type of material (e.g., car door, chain link fence, etc.) and quantity of material removed from each location. Metal debris was loaded into the container and removed for off-site disposal. Table 1 presents the log for the metal debris removal activities. Approximate locations of removed metal debris are presented in Figure 2. Photographs of before and after removals are included in Appendix A.

2.2 SITE PREPARATION – SLAG REMOVAL

On May 26, 2006, site preparation activities began at the Site for removal of the slag. These activities included the installation of erosion control measures approved by RIDEM, preparation of the slag stockpile area and a loading pad. Erosion controls included the installation of hay bales and silt fences surrounding the slag area to the west, east, and north along the edge of Mashapaug Cove. To the south and upgradient of the slag area, hay bales were placed where not obstructing Site access to the slag pile.

The slag area was located along a steep bank of Mashapaug Cove. The slag area was wooded with small trees and vegetation. These small trees and vegetation on the slag pile were cleared and loaded into roll-offs for off-site disposal.
A construction haul road was graded using existing site soil to enable equipment to safely traverse the slope to the south of the slag area. A front-loader and excavator were used in the grading of the haul road. This haul road was extended up the bank and included a loading area for tractor-trailer trucks to load slag material. Further grading was conducted to allow for safe entry and exit of trucks through the school construction gate. Polyethylene sheeting was placed on the loading pad area and at the bottom of the stockpile area. Polyethylene sheeting was also used to cover stockpiles and was secured at the close of each day.

In addition to upland excavation, excavation within Mashapaug Cove adjacent to the so-called slag pile required the installation of silt curtains and sorbent booms. The installed silt curtain was 200 feet in length and formed a protective semi-circle out from the shore and submerged area of the slag pile. Booms were placed within the semi-circle of silt curtain to absorb and contain any petroleum sheens that may have become exposed from excavation activities (i.e., equipment). Site photographs included as Appendix B document the configuration of engineering controls.

### 2.2.1 Abandonment of GZA-5

Monitoring well GZA-5 was located within the slag pile. The removal of slag around the monitoring well would leave the well unsalvageable as the slag fully encompassed the well screen. Per RIDEM’s request, a groundwater sample was collected from the well on June 6, 2006 to document groundwater concentrations in the well prior to well removal. Results from this sampling event are included on attached Table 2.

On June 29, 2006, excavation activities had removed slag and soil around the steel riser of GZA-5. Excavation activities had brought the ground level to the screen interval of GZA-5. As such, surface water and precipitation infiltration into the well could not be prevented, making the well useless for monitoring of groundwater.

GZA-5 was excavated and removed from the Site. The steel riser was added to the metal debris roll-off and the PVC screen and riser disposed of. Standard well decommissioning was not required as the entire well was excavated out of the slag area and no part of it remained to be grouted. No opening remained in the area of the well as the excavation disturbed and
redistributed the saturated sand around the well bottom. This monitoring well will be replaced by Textron as part of the site restoration activities.

2.3 SLAG EXCAVATION & TRANSPORT AND DISPOSAL

2.3.1 Health & Safety Controls & Monitoring

Dust monitoring was performed at the Site on field personnel involved in the actual slag excavation. Perimeter monitoring also provided assurances that nearby residential populations and retail operations were not impacted by the slag excavation.

Dust suppression was performed throughout the removal activities and included the spraying of water over the exposed soils on the dirt roadway and in the slag stockpile. A 250-gallon tote was filled daily with municipal water and sprayed on the Site to suppress dust. Precipitation in the months of June and July was also steady and frequent supporting the dust suppression activities at the Site. Air monitoring was not performed on rainy days per manufacturer specification and laboratory guidance.

Dust monitoring was performed during times of disturbance to surface soils. MACTEC conducted perimeter monitoring with TSI DusTRAK monitors in environmental enclosures, which are cases designed to protect the logging unit from precipitation. The monitors measured aerosol dust concentrations and logged the data for four points outside and within 30 feet of the excavation (North, South, East, and West). The analytical results of the samples collected from these monitoring stations were below the laboratory reporting limits in all but one case. Barium was detected in the south station sample at a concentration of 0.00027 milligrams per cubic meter (mg/m³). This level is slightly above the lowest laboratory detection level of 0.0002 mg/m³, but well below the Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) of 0.05 mg/m³ and the OSHA Action Level (AL) of 0.03 mg/m³.

In addition to analytical data, time weighted averages of total dust concentrations from perimeter monitoring stations ranged from a low of 0.003 mg/m³ to a high of 0.076 mg/m³. The OSHA provides PELs for particulates not otherwise regulated including aerosol dust. The PEL for total dust is 15 mg/m³ for total dust and 5 mg/m³ for respired. The detected levels are well below the PELs. These levels indicate that dust suppression activities were successful at the Site. It should be noted in times of strong wind, dust from the adjacent school construction site blew into the
slag removal area. The school construction site dirt roadways were frequently wetted to limit dust, but the entire construction site was not always wet. The ambient air monitoring data is presented in Table 3 and includes OSHA PELs.

In addition to perimeter monitoring around the excavation area, MACTEC used personal air monitors to measure particulate lead and other Resource Conservation and Recovery Act (RCRA-8) metal concentrations. The MACTEC field engineer, excavator operator, and laborer used personal air monitors with Mixed Cellulose Ester (MCE) air sampling filters. The samples were submitted for laboratory analysis of lead and RCRA-8 metals. No detections were identified at levels exceeding health criteria. Analytical results were below detection limits for the majority of samples collected. The highest concentration detected at the site was 0.0021 mg/m³, well below the OSHA PEL of 0.05 mg/m³ and the OSHA AL of 0.03 mg/m³. The personal air monitoring analytical results are summarized in Table 4.

### 2.3.2 Excavation of Slag

Slag excavation activities began on June 7, 2006. A test-pit was conducted approximately 15 feet to the south of the shoreline to determine the depth of slag below the water table. The depth of slag was discovered to be four feet below the water table in the location of the test pit. Excavated slag was loaded from the excavator into the front loader. The front loader brought slag material to the stockpile. The stockpile was covered with polyethylene sheeting that was secured each workday. Slag was excavated based on visual characterization and soils in contact with slag were over-excavated.

Rhode Island permitted hazardous waste trucks transported the slag for off-site disposal. Each truck was loaded with approximately 13 to 15 cy of slag. The trucks had a 30 cy capacity but because of the high density of the slag, weight limits dictated the total volume each truck could legally transport. The slag was transported to Advanced Recycling Technologies, Inc., a licensed waste and recycling facility located in Chambersburg, Pennsylvania.

After the installation of the silt curtains and boom, test pitting and excavation were conducted approximately 20 feet into the Cove to delineate the northern extent of the slag. Pieces of slag were observed on the bottom surface of the Cove and were removed with the excavator. This underwater excavation yielded less than 3 cy of slag from the Cove bottom. Sediment was test-
pitted to determine the vertical extent of slag. Slag was not found in sediment within the 20-foot reach of the excavator.

An oval area of slag centered on GZA-5 with approximate dimension of 60 feet in the north-south axis and 40 feet in the east-west axis was anticipated to make up the slag area. This estimated area was based on surface deposits and limited historical borings performed in the area. The volume of slag to be removed was initially estimated to be between 800 and 1,200 cy. During the slag excavation, slag was discovered below the surface soils in an area extending approximately 40 feet east of the anticipated eastern extent. Refer to Figure 3 for a Site plan with the final extent of slag.

It was also discovered that the extent slag pile followed an inverted L-shape as presented in Figure 3. Slag was identified in an approximately 10 to 15 foot band to the approximately 20 feet north of the City Fence. Excavation of this band lead to the identification and excavation of slag deposits further east than anticipated. The depth of slag was up to 10 feet below the ground surface. Further test pitting was performed to delineate the eastern and southeastern extents of slag at the Site. MACTEC was able to define a western visible extent of slag. The southwestern extent of the slag was also defined through excavation and test pitting. Areas of fill consisting of loose brick and concrete were found co-mingled and abutting the slag area.

Test pits advanced delineated the eastern and southeastern extent of the slag pile. Test pits were advanced as west-to-east trenches starting in areas previously discovered to contain slag. Further clearing of trees and vegetation was required to advance the test pits and excavate slag.

Slag was identified and excavated under the new chain-link fence at the Site. The chain link fence was recently installed by the City of Providence completely around the Parcel D in accordance with the Consent Order. The fence provides additional security by restricting access to the slag removal area. As excavation activities required the excavation under the fence, it was rolled back and the fence posts were stockpiled for reinstallation at the completion of excavation activities. The removed fencing area was secured with construction fencing. This chain link fence will be reinstalled as part of restoration activities.
The total volume of slag excavated from the Site and transported in 86 truckloads as a hazardous waste to the Advanced Recycling Technologies, Inc. facility was approximately 1,100 to 1,300 cy (approximately 13 to 15 cy per truck). Approximately 15 cy of slag remained in the stockpile and was secured in a roll-off container, which was removed from the Site on September 28, 2006. Once signed weighed slips are provided to MACTEC, a total tonnage of excavated slag will be calculated and included in an addendum to this report. Please refer to Figure 3 for a plan of the excavation area. Confirmatory soil samples were collected on July 12, 13, and 14, 2006. A detailed description of the sampling and analytical results is presented in Section 2.3.3.

2.3.3 Confirmatory Sampling Results

On July 12, 2006, MACTEC began the collection of confirmatory samples from the completed sidewalls and bottoms of the excavation. Sidewall soils samples were collected within the 0’ to 1’ interval on excavation sidewalls. In areas where the sidewall were greater than 5 feet deep, two samples were collected from that location: one at the surface 0’-1’ interval and one from an interval of 5’-6’ from the surface. Samples were collected at approximately 15’ intervals (horizontal) along the sidewalls. The bottom samples were also collected at approximately 15’ intervals. In some submerged or unstable and unsafe areas, distances were visually estimated rather than measured. The excavator bucket was used to collect bottom samples from submerged and unstable sidewall areas of the excavation. Remaining soil samples were collected with stainless steel spoons. Approximate confirmatory sample locations are presented in Figure 3.

On July 12, 2006, nine (9) samples were collected and submitted to ESS Laboratory of Cranston, Rhode Island for analysis. On July 13th and 14th, 2006, twenty-four (24) and eighteen (18) confirmatory soil samples were collected respectively. A total of 51 confirmatory soil samples were submitted for laboratory analysis. As proposed by RIDEM in its response letter to the Slag Removal Work Plan dated June 2, 2006, the samples were submitted for semi-volatile organic compound (SVOC), priority pollutant (PP-13) metals, and TPH analysis. Table 5 provides a summary of the confirmatory soil sampling results. Shaded analytical results indicate exceedances of RIDEM Industrial/Commercial Direct Exposure Criteria (I/CDEC).

Confirmatory results indicated that lead levels for all samples were below the UCL. Two areas exceeded the copper UCL of 10,000 milligrams per kilogram (mg/kg). The concentration of copper in sidewall confirmatory samples exceeded the UCL in the location of SS-SI30 and SS-
SI31. No other UCL exceedances were identified for SVOCs, PP-13 metals, or TPH from the 51 collected samples. Nineteen (19) of the fifty-one (51) samples, as highlighted in Table 1 exceeded the RIDEM I/CDEC for one or more of the metals lead, arsenic and beryllium in soil. The samples SS-SI26, SS-SI30, SS-SI31, SS-SI33S100, SS-SI35S100, SS-SI36S105, SS-SI37S100, SS-SI37S105, SS-SI41B1, SS-SI44B1, SS-SI47B1, SS-SI49, SS-SI50, SS-SI51S100, SS-SI51S105, SS-SI52S100, SS-SI59, SS-SI60, SS-SI61S100, and SS-SI77B1 exceeded I/CDEC for lead (Figure 4). I/CDEC were also exceeded for one or more of the SVOCs Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, and Indeno(1,2,3-cd)pyrene and the metals in 31 sample location as denoted in Figure 5. None of these locations exceeded UCLs.

On August 14, 2006, MACTEC collected samples from under the former slag stockpile area to confirm that slag had been contained to the stockpile and properly excavated. Two confirmatory samples (SS-SI76B1 and SS-SI77B1) were collected from the 0’ to 1’ interval. Analytical results from these samples indicated no exceedance of UCLs. Soil sample SS-SI77B1 exceeded RIDEM I/CDEC for Benzo(a)pyrene and Lead.

Also on August 14, 2006, soils from the SS-SI30 and SS-SI31 locations were excavated to remove the copper UCL exceedances. MACTEC performed field-testing of copper concentrations in soils using an X-ray fluorescence (XRF) meter. Confirmatory samples were collected from the excavation sidewalls and bottom and submitted to ESS Laboratories for copper analysis. The confirmatory soil samples, including the north, south, east, west, bottom, and duplicate were named as SS-SI71W1, SS-SI72N1, SS-SI73B1, SS-SI73B1Dup, SS-SI74E1, and SS-SI75S1). These samples were below the applicable UCL for copper (10,000 mg/kg). Confirmatory sample results area presented in Table 5.

Approximately 12 cy of copper-impacted soil was excavated from the slag area sidewall and loaded into a roll-off for off-site disposal as hazardous waste. The impacted soil was transported to Clean Harbors, Braintree, MA hazardous waste facility for disposal. Figure 3 provides a graphical depiction of the area of this copper UCL excavation.

Three field duplicates were collected during the confirmatory soil sampling of the slag excavation. These duplicates were collected for quality control and quality assurance purposes (QA/QC). The results of the duplicate samples were consistent with the original sample.
2.4 SITE RESTORATION ACTIVITIES

Confirmatory soil sampling and follow-up excavation of UCL exceedances demonstrate that no additional UCL exceedances exist at the slag area excavation. Site restoration activities were coordinated with RIDEM based on laboratory results showing no additional UCLs at the slag area. MACTEC discussed the slag area site restoration approach with Mr. Chuck Horbert of RIDEM on August 3, 2006. Mr. Horbert verbally approved the restoration plan for the slag area including the use of stone to backfill submerged areas thereby restoring the initial Cove shore line. Soil meeting residential standards was to be used as backfill material to bring the site to grade. No imported soils have been used to backfill the excavation on the Site at this time. Mr. Horbert also recommended spreading a layer of hay over the clean backfill rather than seeding in the middle of summer. This surface area will be addressed as part of the soil cap to be constructed on the site.

On July 25, 2006, MACTEC submitted draft confirmatory soil sampling data to RIDEM as required by the Consent Order. MACTEC generated a summary table of this data from electronic copies of the data from ESS Laboratories. On August 8, 2006, MACTEC sent RIDEM an e-mail summarizing the findings of the confirmatory sampling and the plan to proceed with site restoration. The Industrial exceedances were noted and the proposed cap that addresses the Industrial exceedances across the Site was referenced.

On August 10, 2006, MACTEC received the validated data reports and sent RIDEM notification that two copper UCL exceedances were identified within the slag excavation area. MACTEC proposed the removal of these exceedances and the collection of confirmatory samples. Once analytical results indicated no additional UCL exceedances, restoration activities would begin.

On August 15, 2006, site restoration activities began following the receipt of analytical data from the excavation of soils exceeding the copper UCL. Eight (8) truckloads of rip-rap stone totaling approximately 160 CY was delivered to the Site. This material was placed in submerged areas of the excavation starting with the western most area of the excavation. The southeastern and eastern excavations areas were backfilled with native soils to reduce the steep grade and potential safety hazard at the Site.
Restoration activities continued until August 16, 2006 when notice from RIDEM was received regarding a question on the applicable removal criteria for the slag excavation. The remaining stone backfill was stockpiled onsite and the site was secured. This issue is still pending at the time of submission of this document. Restoration activities will be completed pending resolution of this matter.

On September 21, 2006, MACTEC personnel returned to the site to complete metal debris removal activities at the Site. Stockpiled metal debris was loaded into a roll-off for off-site recycling. A conventional oven discarded within a densely wooded and steeply sloped area of the Site approximately 150 feet from the former slag stockpile, was too heavy to safely remove and will be addressed during site restoration. The metal debris roll-off was transported from the Site on September 22, 2006.

As part of the metal debris removal activities, two 55-gallon drums were identified to be partially full of soil. One of the drums contained a white sandy soil. As a hazardous waste roll-off was on site, MACTEC loaded the white sandy soil into the roll-off for off-site disposal as hazardous waste. The second drum contained organic debris and soil that appeared to be impacted by black weathered petroleum. This material was also loaded into the hazardous waste roll-off. The first drum was removed and deposited in the metal debris roll-off. The second drum was wedged under a tree, ensnared in roots, and could not be dug out. The metal of the second drum that was above the surface was cut out with tin snips and bolt cutter and this section of the drum deposited into the metal debris roll-off. Stones and soil in the area of this drum were backfilled into the drum to limit the safety risk posed by an open depression with sharp rusted edges. No visible staining or evidence of a release from these two drum remnants was observed.
3. CONCLUSIONS

This report has been prepared in accordance with the Consent Order requirements and the Remediation Regulations and summarizes the excavation and removal activities of “so-called slag pile” and metal debris material at the site. More than 25 pieces of metal debris were removed from the site and transported as scrap metal.

The slag pile was excavated to visible extents of slag and over-excavated to include soil in contact with slag and confirmatory soil sampling conducted with all results below UCLs. Approximately 1,100 to 1,300 cy of slag was removed from the site and transported for off-site recycling. An addition 12 cy of soil from follow up excavation at the slag pile was transported to a hazardous waste landfill. Confirmatory samples from the excavation indicated exceedances of I/CDEC. As directed in a June 2, 2006, RIDEM letter response to the Slag Removal Work Plan these areas will be included in future capping for the Parcel D. Personal and ambient air monitoring and sampling during excavation activities exhibited concentrations well below the OSHA PEL and the OSHA AL.

Site restoration activities at the Site included the placement of approximately 360 CY of rip-rap stone beneath the water table. The eastern and southeastern excavation areas were backfilled with native soils and graded for safety reasons. The planned completion of restoration activities was stopped on August 16, 2006 per RIDEM email dated August 16, 2006, pending resolution of issues pertaining to the demonstration of completeness of the removal actions. MACTEC anticipates that restoration activities will be completed in accordance with the work plan and documented on a subsequent submittal to RIDEM once this matter is resolved.

On September 21, 2006, MACTEC completed the removal of metal debris and transported roll-offs off-site for disposal. An addendum to this report will summarize the future work activities around the former slag pile and will be submitted to RIDEM. The addendum will also include the total tonnage of excavated slag calculated from signed weight slips.
TABLES
Table 1: Metal Debris Removal Tracking Sheet  
Former Gorham Manufacturing Site  
Providence, Rhode Island

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Description</th>
<th>Quantity</th>
<th>Location</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Steel Pipe approximately 2(^\text{nd}) diameter and 3(^{\prime}) long</td>
<td>1</td>
<td>41(^\circ)47.778N 071(^\circ)25.922W</td>
<td>None</td>
</tr>
<tr>
<td>2</td>
<td>Steel Pipe approximately 1(^{\text{st}}) diameter and 8(^{\prime}) long and a rusted filter housing</td>
<td>1 of each</td>
<td>41(^\circ)47.747N 071(^\circ)25.943W</td>
<td>None</td>
</tr>
<tr>
<td>3</td>
<td>Steel sink</td>
<td>1</td>
<td>41(^\circ)47.765N 071(^\circ)25.835W</td>
<td>None</td>
</tr>
<tr>
<td>4</td>
<td>30 gallon metal drum carcass (empty)</td>
<td>2</td>
<td>41(^\circ)47.756N 071(^\circ)25.845W</td>
<td>None</td>
</tr>
<tr>
<td>5</td>
<td>Washing machine lid</td>
<td>1</td>
<td>41(^\circ)47.757N 071(^\circ)25.850W</td>
<td>None</td>
</tr>
<tr>
<td>6</td>
<td>Top sink frame</td>
<td>1</td>
<td>41(^\circ)47.767N 071(^\circ)25.850W</td>
<td>None</td>
</tr>
<tr>
<td>7</td>
<td>1-55 gallon Drum carcass (empty) and front carpanel</td>
<td>1 each</td>
<td>41(^\circ)47.757N 071(^\circ)25.852W</td>
<td>None</td>
</tr>
<tr>
<td>8</td>
<td>4(^{\prime}) section duct pipe</td>
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<td>41(^\circ)47.762N 071(^\circ)25.857W</td>
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<td>9</td>
<td>Piece of metal drum</td>
<td>1</td>
<td>41(^\circ)47.760N 071(^\circ)25.863W</td>
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<tr>
<td>10</td>
<td>Drum carcass</td>
<td>1</td>
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<tr>
<td>11</td>
<td>Metal pipe</td>
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<tr>
<td>12</td>
<td>Trash barrel</td>
<td>1</td>
<td>41(^\circ)47.796N 071(^\circ)25.859W</td>
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</tr>
<tr>
<td>Item Number</td>
<td>Description</td>
<td>Quantity</td>
<td>Location</td>
<td>Comments</td>
</tr>
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<td>--------------------------------------------------</td>
<td>----------</td>
<td>------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Latitude Longitude</td>
</tr>
<tr>
<td>13</td>
<td>Sheet of Aluminum Foil (~12&quot;x24&quot;)</td>
<td>1</td>
<td>41.79524°N 071.43243°W</td>
<td>None</td>
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<tr>
<td>14</td>
<td>Empty beer cans, top of a can</td>
<td>1 of each</td>
<td>41.79457°N 071.43249°W</td>
<td>None</td>
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<tr>
<td>15</td>
<td>Coke can, aerosol can</td>
<td>1 of each</td>
<td>41.79456°N 071.43227°W</td>
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<tr>
<td>16</td>
<td>Empty beer cans</td>
<td>2</td>
<td>41.79427°N 071.43209°W</td>
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<td>17</td>
<td>Rusted pieces of fence post (4' sections)</td>
<td>4</td>
<td>41.79386°N 071.43220°W</td>
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<tr>
<td>18</td>
<td>Bent 20' length of fence post</td>
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<td>41.79392°N 071.43239°W</td>
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<tr>
<td>19</td>
<td>Rusted sections of sign posts (8'-10')</td>
<td>6</td>
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<td>20</td>
<td>Aerosol Paint Can</td>
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<td>21</td>
<td>Empty beer Can</td>
<td>4</td>
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<tr>
<td>22</td>
<td>Propane container</td>
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<td>23</td>
<td>Rusted muffler carcass</td>
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<tr>
<td>24</td>
<td>Rusted fence gate</td>
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<tr>
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<td>Description</td>
<td>Quantity</td>
<td>Location</td>
<td>Photo ID</td>
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<td></td>
<td>Latitude</td>
<td>Longitude</td>
</tr>
<tr>
<td>25</td>
<td>Rusted computer body</td>
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<td>071.43068°W</td>
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<tr>
<td>26</td>
<td>Rusted 1’ x 2’ brace</td>
<td>1</td>
<td>41.79596°N</td>
<td>071.43070°W</td>
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Created by: DGK

Checked by: DEH
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<tr>
<th>Parameter</th>
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<th>GB (mg/L)</th>
<th>GZA-S 6/6/2006</th>
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<td>0.001</td>
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<tr>
<td>1,2,3-Trichlorobenzene</td>
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<td>&lt; 0.001</td>
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<td>1,2,3-Trichloropropene</td>
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<td>&lt; 0.001</td>
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<td>1,2,4-Trichlorobenzene</td>
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<td>0.002</td>
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<td>1,3,5-Trimethylbenzene</td>
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<tr>
<td>1,3-Dichlorobenzene</td>
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<tr>
<td>1,3-Dichloropropene</td>
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<td>&lt; 0.001</td>
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<tr>
<td>1,4-Dichlorobenzene</td>
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<td>2-Chlorobenzene</td>
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<td>2-Hexanone</td>
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<td>4-Chlorotoluene</td>
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<td>4-Isopropyltoluene</td>
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<td>Acetone</td>
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<td>&lt; 0.001</td>
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<tr>
<td>Bromodichloromethane</td>
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<td>&lt; 0.001</td>
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<tr>
<td>Bromoform</td>
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<td>&lt; 0.001</td>
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<tr>
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<td>&lt; 0.001</td>
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<tr>
<td>Carbon disulfide</td>
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<td>Carbon tetrachloride</td>
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<td>Chloroethane</td>
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<td>&lt; 0.001</td>
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<tr>
<td>Chloroform</td>
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<td>&lt; 0.001</td>
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<tr>
<td>Chloromethane</td>
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<td>&lt; 0.001</td>
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<tr>
<td>cis-1,2-Dichloroethene</td>
<td>0.07</td>
<td>2.4</td>
<td>0.001</td>
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<tr>
<td>cis-1,3-Dichloropropene</td>
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<td>&lt; 0.001</td>
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<td>Dibromochloromethane</td>
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<td>&lt; 0.001</td>
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<tr>
<td>Dibromomethane</td>
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<td>&lt; 0.001</td>
<td></td>
</tr>
<tr>
<td>Dichlorodifluoromethane</td>
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<td>&lt; 0.001</td>
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<td>Diethyl ether</td>
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<td>&lt; 0.001</td>
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<td>Diisopropyl ether</td>
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<td>&lt; 0.001</td>
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<td>Ethyl tertiary-butyl ether</td>
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<td>&lt; 0.001</td>
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<td>Isopropylbenzene</td>
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<td>&lt; 0.001</td>
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<tr>
<td>Methyl tert-butyl ether</td>
<td>0.04</td>
<td>5</td>
<td>&lt; 0.001</td>
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Table 2
Monitoring Well GZA-5 Groundwater Analytical Results, June 2006
Slag Removal Action Summary Report
333 Adelaide Avenue
Providence, Rhode Island

<table>
<thead>
<tr>
<th>Parameter</th>
<th>GA (mg/L)</th>
<th>GB (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene chloride</td>
<td>0.005</td>
<td>&lt; 0.005</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>0.02</td>
<td>&lt; 0.001</td>
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<tr>
<td>n-Butylbenzene</td>
<td>&lt; 0.001</td>
<td>&lt; 0.001</td>
</tr>
<tr>
<td>n-Propylbenzene</td>
<td>&lt; 0.001</td>
<td>&lt; 0.001</td>
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<tr>
<td>sec-Butylbenzene</td>
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<td>&lt; 0.001</td>
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<td>Styrene</td>
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<td>2.2</td>
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<tr>
<td>tert-Butylbenzene</td>
<td>&lt; 0.001</td>
<td>&lt; 0.001</td>
</tr>
<tr>
<td>Tertiary-amyl methyl ether</td>
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<td>&lt; 0.001</td>
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<tr>
<td>Tetrachloroethene</td>
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<td>0.15</td>
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<td>Tetrahydrofuran</td>
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<td>&lt; 0.005</td>
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<td>Trichlorofluoromethane</td>
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<tr>
<td>Vinyl acetate</td>
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</tr>
<tr>
<td>Vinyl chloride</td>
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<tr>
<td>Xylene, M&amp;P-</td>
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<tr>
<td>Xylene, O-</td>
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<td>Xylenes, Total</td>
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<tr>
<td>Antimony</td>
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<tr>
<td>Arsenic</td>
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<tr>
<td>Barium</td>
<td>2</td>
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<td>Beryllium</td>
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<td>Cadmium</td>
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<td>&lt; 0.005</td>
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<td>Chromium</td>
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<td>&lt; 0.05</td>
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<tr>
<td>Zinc</td>
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< - Compound not detected, value is detection limit.
mg/L - milligrams per liter
GA is the Rhode Island Remediation Regulations Groundwater Standard for groundwater suitable for drinking without treatment
GB is the Rhode Island Remediation Regulations Groundwater Standard for groundwater not suitable for drinking
### Table 3: Summary of Ambient Air Monitoring Results
Former Gorham Manufacturing Site  
Providence, Rhode Island

#### Analytical Ambient Air Monitoring Results

<table>
<thead>
<tr>
<th>Sample Name</th>
<th>Date</th>
<th>Silver (mg/m³)</th>
<th>Arsenic (mg/m³)</th>
<th>Barium (mg/m³)</th>
<th>Cadmium (mg/m³)</th>
<th>Chromium (mg/m³)</th>
<th>Selenium (mg/m³)</th>
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<tr>
<td>Blank Open</td>
<td>7/10/2006</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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<td>Blank Closed</td>
<td>7/10/2006</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
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<td>NA</td>
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<td>East</td>
<td>7/10/2006</td>
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<td>&lt;0.0002</td>
<td>&lt;0.0002</td>
<td>&lt;0.0004</td>
<td>&lt;0.0004</td>
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<tr>
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<td>7/10/2006</td>
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<td>&lt;0.0004</td>
<td>&lt;0.0002</td>
<td>&lt;0.0002</td>
<td>&lt;0.0002</td>
<td>&lt;0.0004</td>
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<td>South</td>
<td>7/10/2006</td>
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<td>&lt;0.0004</td>
<td>0.00027</td>
<td>&lt;0.0002</td>
<td>&lt;0.0002</td>
<td>&lt;0.0004</td>
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#### DustTRAK Continuous Air Monitoring

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<th>Sample Name</th>
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<th>TWA*</th>
<th>Min</th>
<th>Max</th>
<th>OSHA Standards**</th>
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<td>0.014</td>
<td>0.075</td>
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</tr>
<tr>
<td></td>
<td>7/6/2006</td>
<td>0.014</td>
<td>0.014</td>
<td>0.065</td>
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<tr>
<td></td>
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<td>0.012</td>
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<td>0.035</td>
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<tr>
<td></td>
<td>7/10/2006</td>
<td>0.005</td>
<td>0.033</td>
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<tr>
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<td>0.013</td>
<td>0.046</td>
<td>0.278</td>
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</tr>
</tbody>
</table>

Notes:

* indicates Time-weighted average

** Occupational Health and Safety Administration: Particulates not otherwise regulated Permissible Exposure Limit (PELs)

Created By: DGK  
Checked By: DLC  

mg/m³ = milligrams per cubic meter
Table 4: Summary of Personal Air Monitoring Results  
Gorham Site  
Providence, Rhode Island

<table>
<thead>
<tr>
<th>Name</th>
<th>Date</th>
<th>Lead Concentration (mg/m^3)</th>
<th>OSHA PEL</th>
<th>OSHA AL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daron</td>
<td>&lt;0.001</td>
<td>0.00064</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Jason</td>
<td>0.00064</td>
<td>0.00064</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Dan</td>
<td>0.0021</td>
<td>0.0008</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Daron</td>
<td>&lt;0.0008</td>
<td>0.0008</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Jason</td>
<td>0.0021</td>
<td>0.0008</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Al</td>
<td>&lt;0.0004</td>
<td>0.0004</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Daron</td>
<td>0.0004</td>
<td>0.0004</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Al</td>
<td>0.0006</td>
<td>0.0006</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Randy</td>
<td>&lt;0.0005</td>
<td>0.0005</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Rob</td>
<td>&lt;0.0004</td>
<td>0.0004</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Randy</td>
<td>0.00064</td>
<td>0.0006</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Daron</td>
<td>&lt;0.0005</td>
<td>0.0005</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Randy</td>
<td>0.0004</td>
<td>0.0004</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Daron</td>
<td>&lt;0.0004</td>
<td>0.0004</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Pete</td>
<td>0.00076</td>
<td>&lt;0.0006</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Rob</td>
<td>&lt;0.0006</td>
<td>0.0006</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Pete</td>
<td>7/14/2006</td>
<td>&lt;0.0006</td>
<td>0.05</td>
<td>0.03</td>
</tr>
<tr>
<td>Daron</td>
<td>&lt;0.0006</td>
<td>0.0006</td>
<td>0.05</td>
<td>0.03</td>
</tr>
</tbody>
</table>

Notes:
mg/m^3 = milligrams per cubic meter
OSHA PEL = Occupational Health and Safety Administration Permissible Exposure Limit
OSHA AL = Occupational Health and Safety Administration Action Level
<table>
<thead>
<tr>
<th>chemical name</th>
<th>Frequency of Detection</th>
<th>Range of Non Detects</th>
<th>Range of Detected Concentrations</th>
<th>Averages of</th>
<th>Residual Chemical Concentrations (ppm)</th>
<th>Industrial Chemical Concentrations (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1-Biphenyl</td>
<td>0/2</td>
<td>0.535 - 0.537</td>
<td>0.27</td>
<td>0.8</td>
<td>10000</td>
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</tr>
<tr>
<td>1,2,4-Trichlorobenzene</td>
<td>0/2</td>
<td>0.535 - 0.537</td>
<td>0.27</td>
<td>96</td>
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<td>1,2-Dichlorobenzene</td>
<td>0/2</td>
<td>0.535 - 0.537</td>
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<tr>
<td>1,3-Dichlorobenzene</td>
<td>0/2</td>
<td>0.535 - 0.537</td>
<td>0.27</td>
<td>430</td>
<td>10000</td>
<td>0.0290</td>
</tr>
<tr>
<td>1,4-Dichlorobenzene</td>
<td>0/2</td>
<td>0.535 - 0.537</td>
<td>0.27</td>
<td>27</td>
<td>240</td>
<td>0.0290</td>
</tr>
<tr>
<td>1-Methylphenanthrene</td>
<td>10/15</td>
<td>0.0226 - 8.43</td>
<td>0.0226</td>
<td>0.136</td>
<td>0.0226</td>
<td>0.0595</td>
</tr>
<tr>
<td>2,3,4-Triklorophenol</td>
<td>0/2</td>
<td>2.67 - 2.69</td>
<td>2.67</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
</tr>
<tr>
<td>2,4,5-Triklorophenol</td>
<td>0/2</td>
<td>2.67 - 2.69</td>
<td>2.67</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
</tr>
<tr>
<td>2,4,6-Triklorophenol</td>
<td>0/2</td>
<td>2.67 - 2.69</td>
<td>2.67</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
</tr>
<tr>
<td>2,4-Dichlorophenol</td>
<td>0/2</td>
<td>2.67 - 2.69</td>
<td>2.67</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
</tr>
<tr>
<td>2,4-Dinitrophenol</td>
<td>0/2</td>
<td>2.67 - 2.69</td>
<td>2.67</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
</tr>
<tr>
<td>2,4-Dinitrotoluene</td>
<td>0/2</td>
<td>2.67 - 2.69</td>
<td>2.67</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
</tr>
<tr>
<td>2,6-Dinitrotoluene</td>
<td>0/2</td>
<td>2.67 - 2.69</td>
<td>2.67</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
</tr>
<tr>
<td>2-Chlorophenol</td>
<td>0/2</td>
<td>2.67 - 2.69</td>
<td>2.67</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
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<tr>
<td>2-Methylphenanthrene</td>
<td>13/53</td>
<td>0.0271 - 0.965</td>
<td>0.965</td>
<td>6.98</td>
<td>0.80</td>
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<tr>
<td>2-Methylphenol</td>
<td>0/2</td>
<td>0.535 - 0.537</td>
<td>0.27</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
</tr>
<tr>
<td>2-Nitroaniline</td>
<td>0/2</td>
<td>0.535 - 0.537</td>
<td>0.27</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
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<td>2-Nitrobenzaldehyde</td>
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<td>0.535 - 0.537</td>
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</tr>
<tr>
<td>2,3-Dichlorobenzene</td>
<td>0/2</td>
<td>0.535 - 0.537</td>
<td>0.27</td>
<td>1.4</td>
<td>13</td>
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</tr>
<tr>
<td>2-Methylphenol</td>
<td>0/2</td>
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<td>0.27</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
</tr>
<tr>
<td>3-Nitroaniline</td>
<td>0/2</td>
<td>0.535 - 0.537</td>
<td>0.27</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
</tr>
<tr>
<td>4-Brorno-methyl phenyl ether</td>
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<td>0.27</td>
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<td>0.584</td>
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<tr>
<td>4-Chloro-3-methylphenol</td>
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<td>0.535 - 0.537</td>
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<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
</tr>
<tr>
<td>4-Chlorotoluene</td>
<td>0/2</td>
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<td>0.27</td>
<td>0.535</td>
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<td>0.584</td>
</tr>
<tr>
<td>4-Chlorophenol phenyl ether</td>
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<td>0.535 - 0.537</td>
<td>0.27</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
</tr>
<tr>
<td>4-Nitroaniline</td>
<td>0/2</td>
<td>0.535 - 0.537</td>
<td>0.27</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
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<tr>
<td>4-Nitrocatechol</td>
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<td>2.67</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
</tr>
<tr>
<td>Acenaphthene</td>
<td>17/53</td>
<td>0.0303 - 13.9</td>
<td>13.9</td>
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<td>0.0226</td>
<td>0.0595</td>
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<tr>
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<td>0.965</td>
<td>6.04</td>
<td>0.80</td>
<td>23</td>
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<td>0.27</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
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<tr>
<td>Aniline</td>
<td>0/2</td>
<td>0.535 - 0.537</td>
<td>0.27</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
</tr>
<tr>
<td>Anthracene</td>
<td>38/53</td>
<td>0.0303 - 9.44</td>
<td>9.44</td>
<td>0.35</td>
<td>10000</td>
<td>0.0290</td>
</tr>
<tr>
<td>Anthraldehyde</td>
<td>38/53</td>
<td>0.0303 - 9.44</td>
<td>9.44</td>
<td>0.35</td>
<td>10000</td>
<td>0.0290</td>
</tr>
<tr>
<td>Benzo(a)anthracene</td>
<td>45/53</td>
<td>0.0349 - 8.43</td>
<td>8.43</td>
<td>0.0460</td>
<td>0.0460</td>
<td>0.0446</td>
</tr>
<tr>
<td>Benzo(a)fluoranthene</td>
<td>45/53</td>
<td>0.0349 - 8.43</td>
<td>8.43</td>
<td>0.0460</td>
<td>0.0460</td>
<td>0.0446</td>
</tr>
<tr>
<td>Benzo(b)fluoranthene</td>
<td>45/53</td>
<td>0.0349 - 8.43</td>
<td>8.43</td>
<td>0.0460</td>
<td>0.0460</td>
<td>0.0446</td>
</tr>
<tr>
<td>Benzo(g,h,i)perylene</td>
<td>39/53</td>
<td>0.0396 - 23.1</td>
<td>23.1</td>
<td>0.21</td>
<td>0.21</td>
<td>0.19</td>
</tr>
<tr>
<td>Benzo(k)fluoranthene</td>
<td>34/53</td>
<td>0.0396 - 23.1</td>
<td>23.1</td>
<td>0.21</td>
<td>0.21</td>
<td>0.19</td>
</tr>
<tr>
<td>Benzoic acid</td>
<td>0/2</td>
<td>2.67 - 2.69</td>
<td>2.67</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
</tr>
<tr>
<td>Benzylic alcohol</td>
<td>0/2</td>
<td>0.535 - 0.537</td>
<td>0.27</td>
<td>0.535</td>
<td>0.537</td>
<td>0.584</td>
</tr>
</tbody>
</table>
| chemical_name | Frequency of Detection | Range of Non Detects | Range of Detected Concentrations | Average of Samples
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bis-(2-chloroethyl) methane</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>0.6</td>
</tr>
<tr>
<td>Bis-(2-chloroethyl) ether</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>9.1</td>
</tr>
<tr>
<td>Bis(2-ethylhexyl) phthalate</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>46</td>
</tr>
<tr>
<td>Butylbenzyl phthalate</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>1.64</td>
</tr>
<tr>
<td>Cadmium</td>
<td>0 / 2</td>
<td>9.76</td>
<td>1.03</td>
<td>1.17</td>
</tr>
</tbody>
</table>

**TABLE 5: SUMMARY OF CONFIRMATORY SOIL SAMPLES**

**FORMER SLAG AREA**

**FORMER GORHAM MANUFACTURING SITE**

**PROVIDENCE, RI**

| chemical_name | Frequency of Detection | Range of Non Detects | Range of Detected Concentrations | Average of Samples
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorine</td>
<td>45 / 53</td>
<td>0.0392 - 0.539</td>
<td>0.0392 - 14.8</td>
<td>2.7</td>
</tr>
<tr>
<td>Dibromochloropropane</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>180</td>
</tr>
<tr>
<td>Dioxin</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>0.338</td>
</tr>
<tr>
<td>Ethylene</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>19900</td>
</tr>
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<td>hexachlorobenzene</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>0.37</td>
</tr>
<tr>
<td>hexachlorobutadiene</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>0.686</td>
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<tr>
<td>Hexane</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>11.4</td>
</tr>
<tr>
<td>Hexachlorocyclopentadiene</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>1000</td>
</tr>
<tr>
<td>Hexachloroethane</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>1000</td>
</tr>
<tr>
<td>Hexachloroethene</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>1000</td>
</tr>
<tr>
<td>Isopropyl chloride</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>1000</td>
</tr>
<tr>
<td>Isobutylbenzene</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>1.02</td>
</tr>
<tr>
<td>Isopropylbenzene</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>1.07</td>
</tr>
<tr>
<td>Jay</td>
<td>0 / 2</td>
<td>0.535 - 0.537</td>
<td>0.07</td>
<td>13.5</td>
</tr>
<tr>
<td>Lead</td>
<td>50 / 53</td>
<td>6.8 - 7.8</td>
<td>9.5 - 5580</td>
<td>774</td>
</tr>
<tr>
<td>Mercury</td>
<td>41 / 53</td>
<td>3 - 12400</td>
<td>1098 31000000</td>
<td>12400</td>
</tr>
<tr>
<td>Nickel</td>
<td>48 / 53</td>
<td>3.4 - 3.4</td>
<td>3.6 - 7570</td>
<td>122.9</td>
</tr>
<tr>
<td>Selenium</td>
<td>0 / 2</td>
<td>9.76</td>
<td>1.03</td>
<td>1.17</td>
</tr>
<tr>
<td>Silver</td>
<td>47 / 53</td>
<td>0.87 - 0.78</td>
<td>1.42 - 223</td>
<td>1100000</td>
</tr>
<tr>
<td>Thallium</td>
<td>0 / 2</td>
<td>1.4 - 7.2</td>
<td>0.87</td>
<td>1.42 - 223</td>
</tr>
<tr>
<td>Zinc</td>
<td>53 / 53</td>
<td>5.2 - 4900</td>
<td>6600000</td>
<td>12400</td>
</tr>
<tr>
<td>TPH (mg/Kg)</td>
<td>Total Petroleum Hydrocarbon</td>
<td>38 / 53</td>
<td>5.71 - 5.1</td>
<td>46.5 - 943</td>
</tr>
</tbody>
</table>

**Prepared by:** BJR

**Checked by:** DGK

Shading indicates an exceedance of the Industrial / Commercial RI Direct Exposure Criteria.

* Indicates sample exceeded UCL for copper and was excavated on 8/14/2006.
<table>
<thead>
<tr>
<th>chemical name</th>
<th>Bis(2-chloroethyl)ether</th>
<th>Bis(2-chloroethyl)phthalate</th>
<th>Bisphenol A</th>
<th>Butylbenzyl phthalate</th>
<th>Cadmium</th>
<th>Chromium</th>
<th>Copper</th>
<th>Lead</th>
<th>Mercury</th>
<th>Nickel</th>
<th>Selenium</th>
<th>Silver</th>
<th>Thallium</th>
<th>Zinc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimony</td>
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### Table 5: Summary of Confirmatory Soil Samples

**Former Slag Area**

**Providence, RI**

**Table 5:** Table 4 Confirmatory Data Summary.xls, Sheet2 Page 5 of 6

Prepared by: BJR

Checked by: DGK

9/29/2006
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Shading indicates an exceedance of the Industrial / Commercial RI Direct Exposure Criteria.
FIGURES
Slag Removal Action
Former Gorham Manufacturing Site
Providence, Rhode Island

Site Location Map
Project 3650-05-0041
Figure 1

1:24,000 scale digital topographic map obtained from Rhode Island Geographic Information System (RIGIS) at:
http://www.edc.uri.edu/rigis

http://www.edc.uri.edu/rigis
Note: Table 1 provides a description of metal debris found at each numbered point.
Figure 3
Slag Removal
Confirmatory Sample Locations
Slag Removal Summary Report
333 Adelaide Avenue
Providence, Rhode Island
APPENDIX A

Metal Debris Photographs
(Refer to Table 1 for Item Descriptions)
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
METAL DEBRIS REMOVAL PHOTOGRAPHS

Before

After

Photograph of Logged and Removed Metal Debris (Item #1):
(Source: MACTEC, 2006)
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
METAL DEBRIS REMOVAL PHOTOGRAPHS

Before

After

Photograph of Logged and Removed Metal Debris (Item #2):
(Source: MACTEC, 2006)
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
METAL DEBRIS REMOVAL PHOTOGRAPHS

Before

After

Photograph of Logged and Removed Metal Debris (Item #4) :
(Source: MACTEC, 2006)
METAL DEBRIS REMOVAL PHOTOGRAPHS

Before

After

Photograph of Logged and Removed Metal Debris (Item #5):
(Source: MACTEC, 2006)
Photograph of Logged and Removed Metal Debris (Item #6):
(Source: MACTEC, 2006)
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
METAL DEBRIS REMOVAL PHOTOGRAPHS

Before

[Image of logged and removed metal debris before removal]

After

[Image of the area after metal debris removal]

Photograph of Logged and Removed Metal Debris (Item #7):
(Source: MACTEC, 2006)
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
METAL DEBRIS REMOVAL PHOTOGRAPHS

Before

After

Photograph of Logged and Removed Metal Debris (Item #8) :
(Source: MACTEC, 2006)
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
METAL DEBRIS REMOVAL PHOTOGRAPHS

Before

After

Photograph of Logged and Removed Metal Debris (Item #9):
(Source: MACTEC, 2006)
Photograph of Logged and Removed Metal Debris (Item #10):
(Source: MACTEC, 2006)
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
METAL DEBRIS REMOVAL PHOTOGRAPHS

Before

![Before photo](image)

After

![After photo](image)

Photograph of Logged and Removed Metal Debris (Item #11):
(Source: MACTEC, 2006)
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
METAL DEBRIS REMOVAL PHOTOGRAPHS

Before

After

Photograph of Logged and Removed Metal Debris (Item #12) :
(Source: MACTEC, 2006)
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
METAL DEBRIS REMOVAL PHOTOGRAPHS

Before

After

Photograph of Logged and Removed Metal Debris (Item #14):
(Source: MACTEC, 2006)
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
METAL DEBRIS REMOVAL PHOTOGRAPHS

Before

[Image of metal debris before removal]

After

[Image of area after metal debris removal]

Photograph of Logged and Removed Metal Debris (Item #15):
(Source: MACTEC, 2006)
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
METAL DEBRIS REMOVAL PHOTOGRAPHS

Before

[Image: Photograph of Logged and Removed Metal Debris (Item #16) : (Source: MACTEC, 2006)]

After
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
METAL DEBRIS REMOVAL PHOTOGRAPHS

Before

After

Photograph of Logged and Removed Metal Debris (Item #17) :
(Source: MACTEC, 2006)
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
METAL DEBRIS REMOVAL PHOTOGRAPHS

Before

After

Photograph of Logged and Removed Metal Debris (Unnumbered Item):
(Source: MACTEC, 2006)
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
METAL DEBRIS REMOVAL PHOTOGRAPHS

Before

After

Photograph of Logged and Removed Metal Debris (Unnumbered Item) :
(Source: MACTEC, 2006)
Unpaired Photographs

Photograph of Logged and Removed Metal Debris (Item #3, 18, 19):
(Source: MACTEC, 2006)
APPENDIX B

Site Photographs
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
SITE PHOTOGRAPHS

Aerial Photograph Accessed August 7, 2006:
(Source: Google Earth. Photo for this report only – not for commercial sale)
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
SITE PHOTOGRAPHS

Photograph: Undisturbed Slag: View facing South
(Source: MACTEC, April 27, 2006)
Photograph: View of Slag Area with Erosion Controls facing North

(Source: MACTEC, June 1, 2006)
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
SITE PHOTOGRAPHS

Photograph: Slag Area Grubbing and Tree Removal facing North

(Source: MACTEC, June 7, 2006)
Photograph: View of Cleared Slag Pile after 1st day of Excavation including monitoring well GZA-5 within slag pile, facing East.
(Source: MACTEC, June 8, 2006)
Photograph: View of Slag Pile after initial of Excavation, facing southeast

(Source: TEXTRON, June 2006)
Photograph: View of Slag Pile after initial of Excavation, facing West
(Source: TEXTRON, June 2006)
Photograph: View of Slag Area across Cove, with covered stockpile above it.

(Source: MACTEC, June 21, 2006)
Photograph: Slag being loaded from stockpile into Truck

(Source: MACTEC, June 26, 2006)
Photograph: Slag fully loaded (to weight limits) in lined trailer

(Source: MACTEC, June 26, 2006)
Slag Removal Action
Textron - Gorham
333 Adelaide Avenue
Providence, Rhode Island
SITE PHOTOGRAPHS

Photograph: View of excavated slag and western extent facing southeast

(Source: MACTEC, June 26, 2006)
Photograph: Excavation of slag, facing south across Cove

(Source: MACTEC, June 26, 2006)
Photograph: Excavated Slag facing East, fill and bricks visible across water

(Source: MACTEC, June 26, 2006)
Photograph: View of “North” and “West” Dust Monitors facing west

(Source: MACTEC, June 29, 2006)
Photograph: View of Excavation with GZA-5 PVC in foreground and “East” and “South” Dust Monitors in background.

(Source: MACTEC, June 29, 2006)
Photograph: Silt Curtain and boom with excavation into Cove

(Source: MACTEC, July 6, 2006)
Photograph: Area of Completed Excavation Facing West

(Source: MACTEC, August 2, 2006)
Photograph: Excavation around SI-SS0008, a UCL exceedance for Copper

(Source: MACTEC, August 2, 2006)
Photograph: Excavation area with three loads of rip-rap above excavation, facing east.

(Source: MACTEC, September 21, 2006)
APPENDIX C

Surface Soil Sample Field Data Records
### Surface Soil Sample Field Data Record

**Project:** TExTRON - Gorkham  
**Sample I.D.:** SS-SI-26  
**Location:** See Site Figure  
**Sampled:** Daron Kursian  
**Witness:** Vertex, Inc.  
**Job No.:** 3650 050041 T02  
**Date:** 7/12/06  
**Time:** Start 1200 End 1305

#### Samples for Chemical Analysis:
- [x] Metal 900 ppm  
- [ ] SWC l/s  
- [ ] PF-13  
- [ ] Dioxins/FURANS  
- [ ] EPA Method 1613

#### Soil Sample
- **Depth of Sample(s):** 0'-1'  
- **Equipment Used for Collection:**  
  - [ ] Tulip Bulb Planter  
  - [x] S.S. Spoon  
  - [ ] Knife  
  - [ ] S.S. Spatula  
  - [ ] S.S. Bowl

#### Decontamination Fluids Used:
- [ ] Deionized Water  
- [ ] Liquinox Solution  
- [ ] Not applicable  
- [ ] Undiluted Spoon

#### Other Observations:

#### Photographs Taken/Description
1.  
2.  
3.  
4.  
5.  
6.  

#### Type of Sample Collected:
- [x] Discrete  
- [x] Organic/LoAM  
- [ ] Composite  
- [ ] Gravel

#### Sample Observations:
- [ ] Odor  

#### Field Data:
- [ ] Field duplicate collected  
- [ ] Color Brown  

#### Duplicate ID:

#### Sketch:
(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQ's, garden activity)

#### Location Sketch/Comments

---

**Sampler Signature:**

---

File: Forms\Field Forms\Surface soil sample field data record.dot
**Surface Soil Sample Field Data Record**

**Project:** TEXTRON - GOKHAM

**Sample I.D.:** SS-SI 27

**Location:** See Site Figure

**Samples for Chemical Analysis:**
- Metals
- EPA Methods 8080, 8000
- Dioxins/FURANS
- EPA Method 1613

**Soil Sample**

<table>
<thead>
<tr>
<th>Depth of Sample(s)</th>
<th>Equipment Used for Collection</th>
<th>Decontamination Fluids Used</th>
<th>Other Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>0'-1'</td>
<td>Tulip Bulb Planter, S.S. Spoon, Knife</td>
<td>Deionized Water, Liquinox Solution</td>
<td>Soil Type: [ ] Clay, [ ] Sand (Medium), [ ] Organic, [ ] Gravel</td>
</tr>
</tbody>
</table>

**Photographs Taken/Description**

1. [ ]
2. [ ]
3. [ ]
4. [ ]
5. [ ]
6. [ ]

**Type of Sample Collected:** [ ] Discrete, [ ] Composite

**Sample Observations:** [ ] Color

**Field Data:** [ ] Field duplicate collected

**Duplicate ID**

**Sketch:** (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

**Location Sketch/Comments**

**Sampler Signature:** [Signature]

**Date:** 7/12/06

**Witness:** VERTAX, INC.

**Time:** Start 1315 End 1320
### Surface Soil Sample Field Data Record

<table>
<thead>
<tr>
<th>Project:</th>
<th>TEXTRON - FORHAM</th>
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<tbody>
<tr>
<td>Sample I.D.:</td>
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<td>Location:</td>
<td>See Site Figure</td>
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<td>Witness:</td>
<td>VERTEX, INC.</td>
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<tr>
<td>Date:</td>
<td>7/12/06</td>
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<tr>
<td>Time:</td>
<td>Start 1330 End 1335</td>
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</tbody>
</table>

#### Samples for Chemical Analysis:
- [ ] Metals
- [ ] EPA Methods 8000A
- [ ] S. S. Spoon
- [ ] S. S. Spatula
- [ ] S. S. Bowl
- [ ] Liquinox Solution
- [ ] Delonized Water
- [ ] Other Observations:

#### Equipment Used for Collection:
- [ ] Tulip Bulb Planter
- [ ] S. S. Spoon
- [ ] Knife
- [ ] S. S. Spatula
- [ ] S. S. Bowl
- [ ] Soil Type:
- [ ] Clay
- [ ] Organic
- [ ] Gravel
- [ ] Other Observations:

#### Type of Sample Collected:
- [ ] Discrete
- [ ] Composite
- [ ] Other Observations:

#### Sample Observations:
- [ ] Color: Brown
- [ ] Other Observations:

#### Sketch:
(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

#### Location Sketch/Comments:

#### Scale:

---

Sampler Signature: [Signature]
Surface Soil Sample Field Data Record

Project: TEXTRON - FORHAM
Sample ID: SS 5129
Location: See Site Figure

Sampler: Daron Kurysian
Witness: VERTEX, INC.

Job No.: 3650050041 TOZ
Date: 7/12/06

Time: Start 1345 End 1350

Samples for Chemical Analysis:
- Metals: PR-13, TPM, SVOL
- Dioxins/FURANS: EPA Method 1613

Soil Sample
- Depth of Sample(s): 0.1'
- Photographs Taken/Description:
  1. ________________
  2. ________________
  3. ________________
  4. ________________
  5. ________________
  6. ________________

Field Data:
- Field duplicate collected
- Duplicate ID: ________________

Equipment Used for Collection:
- Tulip Bulb Planter
- S.S. Spoon
- Knife
- S.S. Spatula
- S.S. Bowl

Decontamination Fluids Used:
- Deionized Water
- Liquinox Solution
- Not applicable
- Loaded spoon

Other Observations:

Sketch: (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

Location Sketch/Comments

Scale:

Sampler Signature: Daron Kurysian
# Surface Soil Sample Field Data Record

**Project:** TExTRON - FORHAM  
**Sample ID:** SS-5130  
**Location:** See Site Figure  
**Sample:** Daron Kurkjian  
**Witness:** VERTEX, INC.  
**Date:** 1/12/06  
**Time:** Start 1400, End 1405

### Samples for Chemical Analysis:
- Metals EPA-13, 290-12, 562A
- E84, Method 8161
- Dioxins/FURANS
- EPA Method 1613

### Soil Sample
- **Depth of Sample(s):** 0'-1'
- **Photographs Taken/Description:**
  1.  
  2.  
  3.  
- **Type of Sample Collected:**
  - Discrete
  - Composite
- **Sample Observations:**
  - Color: REASON  
  - Organelles

### Equipment Used for Collection:
- Tulip Bulb Planter
- S.S. Spoon
- Knife
- S.S. Spatula
- S.S. Bowl

### Decontamination Fluids Used:
- Deionized Water
- Liquinox Solution

### Other Observations:

### Sketch:
(Home location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, general activity)

### Location Sketch/Comments:

---

**Sample Signature:** [Signature]
**Surface Soil Sample Field Data Record**

**Project:** TEXTRON - FORHAM  
**Sample ID:** SS-SI31  
**Location:**  
**Sample:** DARM KURKjian  
**Witness:** VERTEX, INC.  
**Date:** 7/12/06  
**Time:** Start 14:15 End 14:20  

**Samples for Chemical Analysis:**  
- Metals: EPA Methods 8010A, 8015D  
- Dioxins/Furans: EPA Method 1613

<table>
<thead>
<tr>
<th>Soil Sample</th>
<th>Equipment Used for Collection</th>
<th>Decontamination Fluids Used</th>
<th>Other Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth of Sample(s)</td>
<td>Tulip Bulb Planter</td>
<td>Deionized Water</td>
<td>[ ]</td>
</tr>
<tr>
<td>Photographs Taken/Description</td>
<td>S.S. Spoon</td>
<td>Liquinox Solution</td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Knife</td>
<td>Not Applicable</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>S.S. Spatula</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>S.S. Bowl</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Type of Sample Collected:  
  - Discrete  
  - Composite

- Sample Observations:  
  - Odor: None  
  - Color: Dark Brown

- Field Data:  
  - Field Duplicate collected: [ ]  
  - Duplicate ID: [ ]

**Sketch:** (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

**Location Sketch/Comments**

**Sampler Signature:**
Surface Soil Sample Field Data Record

<table>
<thead>
<tr>
<th>Project: TEXTRON - FORHAM</th>
<th>Sampler: Daron Kurrjian</th>
<th>Job No.: 3650050041 TOZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample ID: S5 - S1 32</td>
<td>Sampler: NA</td>
<td>Date: 7/12/06</td>
</tr>
<tr>
<td>Location: S5 - S1 32</td>
<td>Witness: VERTEX, INC.</td>
<td>Time: Start 1/30, End 1/33</td>
</tr>
</tbody>
</table>

Samples for Chemical Analysis: [ ] Metals EPA Methods 1613
[ ] Dioxins/FURANS EPA Method 1613

<table>
<thead>
<tr>
<th>Soil Sample</th>
<th>Equipment Used for Collection:</th>
<th>Decontamination Fluids Used:</th>
<th>Other Observations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth of Sample(s) 0' - 1'</td>
<td>Tulip Bulb Planter [ ]</td>
<td>Deionized Water [ ]</td>
<td></td>
</tr>
<tr>
<td>Photographs Taken/Description</td>
<td>S.S. Spoon [ ]</td>
<td>Liquinox Solution [ ]</td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Knife [ ]</td>
<td>Not Applicable [ ]</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>S.S. Spatula [ ]</td>
<td>Loaded Liquid Spatula [ ]</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>S.S. Bowl [ ]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>5.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Type of Sample Collected: [ ] Discrete
[ ] Composite

Sample Observations: [ ] Odor None
[ ] Color Light Brown
[ ] W/ Some trash + fill

Field Data: [ ] Field duplicate collected

Sketch: (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

Location Sketch/Comments

Sampler Signature: Daron Kurrjian
## Surface Soil Sample Field Data Record

**Project:** TEXTRON - FORHAM  
**Sample I.D.:** 55 - SI 33 S100  
**Location:** see sketch figure  
**Sampled:** DARON KURKJIAN  
**Witness:** VERTEX, INC.  
**Date:** 7/12/06  
**Time:** Start 1445 End 1450

### Samples for Chemical Analysis

- [ ] Metals 98-13, EPA Method 1613  
- [ ] Dioxins/FURANS, EPA Method 1614

### Soil Sample

<table>
<thead>
<tr>
<th>Depth of Sample(s)</th>
<th>0' - 1'</th>
</tr>
</thead>
</table>

### Equipment Used for Collection

- [ ] Tulip Bulb Planter  
- [X] S.S. Spoon  
- [ ] Knife  
- [ ] S.S. Spatula  
- [ ] S.S. Bowl

### Decontamination Fluids Used

- [ ] Deionized Water  
- [ ] Liquinox Solution  
- [ ] Not applicable

### Other Observations:

- Soil Type: Sand  
- Organic

### Type of Sample Collected

- [X] Discrete  
- [ ] Composite

### Sample Observations:

- [ ] Odor: NONE  
- Color: BROWN

### Duplicate ID

- [ ]

### Sketch:

(Describe the location, true north, chimney, lawn status, leach fields and topography of land, past soil disturbance, dumping activities, ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

### Location Sketch/Comments

[Blank sketch area]

[Signatures]

**Sampler Signature:** [Signature]
**Surface Soil Sample Field Data Record**

**Project:** TEXTRON - FORHAM  
**Sample ID:** 5S - SI 33S105  
**Sample:** DARON KURKJIAN  
**Job No:** 3650050041 T02  
**Location:** See Site Figure  
**Witness:** VERTEX, INC.  
**Date:** 7/12/06  
**Time:** Start 14:45, End 14:55

**Samples for Chemical Analysis:**  
- [ ] Metals EPA Method 3050A
e  
- [ ] Dioxins/FURANS EPA Method 1613

**Soil Sample**  
**Depth of Sample(s):** 5'-6'

**Photographs Taken/Description**  
1.  
2.  
3.  
4.  
5.  
6.  

**Equipment Used for Collection:**  
- [ ] Tulip Bulk Planter  
- [x] S.S. Spoon  
- [ ] Knife  
- [ ] S.S. Spatula  
- [ ] S.S. Bowl  

**Decontamination Fluids Used:**  
- [ ] Deionized Water  
- [ ] Liquinox Solution  
- [x] Not applicable  
- [ ] Load Cell Spoon

**Other Observations:**

**Type of Sample Collected:**  
- [x] Discrete  
- [ ] Composite

**Sample Observations:**  
- [x] Odor: None  
- [x] Color: TAN w/ brick  

**Field Data:**  
- [ ] Field duplicate collected  

**Duplicate ID:**

**Sketch:**

(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

**Location Sketch/Comments**

**Sampler Signature:**

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**Surface Soil Sample Field Data Record**

**Project:** TEXTRON - FORHAM  
**Sample I.D.:** SS-SI3481  
**Location:** see site figure  
**Sample ID:**  
**Sampler:** Daron Kurkjian  
**Witness:** VERTEX, INC.  
**Job No.:**  
**Date:** 7/13/06  
**Time:** Start 10:00  
End 10:10

### Samples for Chemical Analysis:
- [x] Metals EPA methods: ILM04-0
- [ ] Dioxins/FURANS EPA Method 1613

### Soil Sample
- **Depth of Sample(s):** 4  
- **Photographs Taken/Description:**
  1.  
  2.  
  3.  
  4.  
  5.  
  6.  

### Equipment Used for Collection:
- [ ] Tulip Bulb Planter  
- [x] S.S. Spoon  
- [ ] Knife  
- [ ] S.S. Spatula  
- [ ] S.S. Bowl

### Decontamination Fluids Used:
- [ ] Deionized Water  
- [ ] Liquinox Solution  
- [x] Not applicable  
- [ ] Loaded collected spoon

### Other Observations:
- [ ]
- [ ]
- [ ]
- [ ]
- [ ]

### Field Data:
- [ ] Field duplicate collected  
- [ ] Duplicate ID  

### Sketch:
(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

### Location Sketch/Comments

**Sampler Signature:** [Signature]

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<thead>
<tr>
<th>Field Data</th>
<th>Equipment Used for Collection</th>
<th>Decontamination Fluids Used</th>
<th>Other Observations</th>
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<tbody>
<tr>
<td>[ ] Field duplicate collected</td>
<td>[ ] Tulip Bulb Planter</td>
<td>[ ] Deionized Water</td>
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</tr>
<tr>
<td></td>
<td>[X] S.S. Spoon</td>
<td>[ ] Liquinox Solution</td>
<td></td>
</tr>
<tr>
<td></td>
<td>[ ] Knife</td>
<td>[X] <strong>Not Applicable</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>[ ] S.S. Spatula</td>
<td>[ ] Undiluted Spoo</td>
<td></td>
</tr>
<tr>
<td></td>
<td>[ ] S.S. Bowl</td>
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<table>
<thead>
<tr>
<th>Soil Type</th>
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<th>Soil Type:</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>[ ] Clay</td>
<td>[ ] Clay</td>
<td>[ ] Clay</td>
</tr>
<tr>
<td></td>
<td>[X] Sand</td>
<td>[X] Sand</td>
<td>[X] Sand</td>
</tr>
<tr>
<td></td>
<td>[ ] Organic</td>
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<tr>
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<td>[ ] Gravel</td>
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<td>[ ] Gravel</td>
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<table>
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<th>Sample Observations:</th>
<th>Sample Observations:</th>
<th>Sample Observations:</th>
<th>Sample Observations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] Odor:</td>
<td><strong>NONE</strong></td>
<td><strong>NONE</strong></td>
<td><strong>NONE</strong></td>
</tr>
<tr>
<td>[ ] Color:</td>
<td><strong>DARK BROWN</strong></td>
<td><strong>DARK BROWN</strong></td>
<td><strong>DARK BROWN</strong></td>
</tr>
<tr>
<td></td>
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</tbody>
</table>

| Sketch:                        | (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity) | (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity) | (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity) |

<table>
<thead>
<tr>
<th>Location Sketch/Comments</th>
<th>Scale:</th>
<th>Scale:</th>
<th>Scale:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
**Surface Soil Sample Field Data Record**

**Project:** TExTRON - Gorkham  
**Sample I.D.:** SS-SI 355105  
**Location:** See Site Figure  
**Sampled By:** Daron Kurkjian  
**Witness:** VERTER, INC.  
**Date:** 7/13/06  
**Time:** Start 10:15 End 10:20  

**Samples for Chemical Analysis:**  
- Metals EPA Method 6010B  
- Fluorine  
- Trace Elements - SVOC EPA Method 1613  
- Dioxins/FURANS EPA Method 1613  

**Soil Sample**  
- Depth of Sample(s): 5' 6"  
- Equipment Used for Collection:  
  - Tulip Bulb Planter  
  - S.S. Spoon  
  - Knife  
  - S.S. Spatula  
  - S.S. Bowl  
- Decontamination Fluids Used:  
  - Deionized Water  
  - Liquinox Solution  
  - Not Applicable  
- Other Observations:  
  - [ ] Undiluted Solution  

**Photographs Taken/Description**  
1.  
2.  
3.  
4.  
5.  
6.  

**Type of Sample Collected:**  
- Discrete  
- Composite  

**Sample Observations:**  
- [ ] Color: Dark Brown  

**Field Data:**  
- [ ] Field duplicate collected  
- Duplicate ID:  
- [ ] Flavor:  

**Sketch:** (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities; ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)  

**Location Sketch/Comments**  

**Sampler Signature:** Daron Kurkjian
**Surface Soil Sample Field Data Record**

**Project:** Textron - Gorham  
**Sample ID:** SS - ST 51 5100  
**Location:** See Site Figure  
**Sampled:** NA  
**Witness:** Vertex, Inc.  
**Date:** 7/13/06  
**Time:** Start 12:00 End 12:05

**Samples for Chemical Analysis:**  
- Metals EPA Method 1613 EPA Method 8000
- [ ] Dioxins/FURANS EPA Method 1613

**Soil Sample**  
**Depth of Sample(s):** 0'-1'  
**Photographs Taken/Description**

1.  
2.  
3.  
4.  
5.  
6.  

**Equipment Used for Collection:**  
- [ ] Tulip Bulb Planter  
- [ ] S.S. Spoon  
- [ ] Knife  
- [ ] S.S. Spatula  
- [ ] S.S. Bowl  

**Decontamination Fluids Used:**  
- [ ] Deionized Water  
- [ ] Liquinox Solution  
- [ ] Not Applicable  
- [ ] Loaded/Used Spoon

**Other Observations:**

**Soil Type:**

- [ ] Clay  
- [ ] Sand  
- [ ] Organic  
- [ ] Gravel

**Type of Sample Collected:**
- [ ] Discrete  
- [ ] Composite

**Sample Observations:**

- [ ] Odor: NONE
- [ ] Color: Brown SAND
- [ ] W/ Pieces of Brick Fill

**Field Data:**

- [ ] Field duplicate collected

**Duplicate ID:**

- [ ]

**Sketch:** (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbances, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

**Location Sketch/Comments**

**Scale:**

**Sampler Signature:**

---

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**Surface Soil Sample Field Data Record**

<table>
<thead>
<tr>
<th>Project:</th>
<th>Textron - Forham</th>
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<tbody>
<tr>
<td>Sample I.D.:</td>
<td>SS-S1515105</td>
</tr>
<tr>
<td>Sampler:</td>
<td>Daron Kurkjian</td>
</tr>
<tr>
<td>Job No.:</td>
<td>3650050041 T02</td>
</tr>
<tr>
<td>Date:</td>
<td>7/13/06</td>
</tr>
<tr>
<td>Time:</td>
<td>Start 12:00 End 12:05</td>
</tr>
<tr>
<td>Location:</td>
<td>See Site Figure</td>
</tr>
<tr>
<td>Witness:</td>
<td>Vertex, Inc.</td>
</tr>
<tr>
<td>Samples for Chemical Analysis:</td>
<td>Metals EPA-EPA-13, TEN-SVOL EPA Method 1510</td>
</tr>
<tr>
<td>Soil Sample:</td>
<td></td>
</tr>
<tr>
<td>Depth of Sample(s):</td>
<td>5-6</td>
</tr>
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<td>Photographs Taken/Description:</td>
<td></td>
</tr>
<tr>
<td>1.</td>
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</tr>
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<td>2.</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td></td>
</tr>
<tr>
<td>Equipment Used for Collection:</td>
<td>Tulip Bulb Planter, S.S. Spoon, Knife, S.S. Spatula, S.S. Bowl</td>
</tr>
<tr>
<td>Decontamination Fluids Used:</td>
<td>Deionized Water, Liquinox Solution, De Not Applicable</td>
</tr>
<tr>
<td>Other Observations:</td>
<td></td>
</tr>
<tr>
<td>Soil Type:</td>
<td></td>
</tr>
<tr>
<td>Type of Sample Collected:</td>
<td>Discrete, Composite</td>
</tr>
<tr>
<td>Sample Observations:</td>
<td></td>
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<td>Field Data:</td>
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</tr>
<tr>
<td>Field duplicate collected</td>
<td>[ ]</td>
</tr>
<tr>
<td>Duplicate ID:</td>
<td></td>
</tr>
</tbody>
</table>

**Sketch:** (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

**Location Sketch/Comments:**

[Location Sketch/Comments Diagram]

**Scale:**

[Scale]
# Surface Soil Sample Field Data Record

**Project:** Texton - Forham  
**Sampler:** Daron Kurkjian  
**Job No.:** 3650050041 TO2  
**Sample ID.:** SS-SI 365 100  
**Sample:** NA  
**Location:** See Site Figure  
**Witness:** VERTEX, INC.  
**Date:** 7/13/06  
**Time:** Start 12:15 End 12:20

### Samples for Chemical Analysis:
- Metals EPA Method 1613, EPA Method 3050C
- Dioxins/FURANS EPA Method 1613

### Soil Sample

<table>
<thead>
<tr>
<th>Depth of Sample(s)</th>
<th>Equipment Used for Collection</th>
<th>Decontamination Fluids Used</th>
<th>Other Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>0'-1'</td>
<td>Tulip Bulb Planter</td>
<td>Distilled Water</td>
<td></td>
</tr>
<tr>
<td></td>
<td>S.S. Spoon</td>
<td>Liquid Solution</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Knife</td>
<td>Not Applicable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>S.S. Spatula</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>S.S. Bowl</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Photographs Taken/Description

<table>
<thead>
<tr>
<th>1.</th>
<th>2.</th>
<th>3.</th>
<th>4.</th>
<th>5.</th>
<th>6.</th>
</tr>
</thead>
</table>

### Type of Sample Collected
- Discrete
- Composite

### Sample Observations
- Odor: None
- Color: Brown

### Field Data
- Field duplicate collected
- Duplicate ID

---

**Sketch:** House location, true north, chimney, fawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity

**Location Sketch/Comments**

**Scale:**

---

**Sampler Signature:** Daron Kurkjian
Surface Soil Sample Field Data Record

Project: Texton - Gorham
Sample ID: SS-5T13 65105
Location: See Site Figure

Sampler: Daron Kurkjian
Witness: Vertex, Inc.
Job No.: 3650050041 TOZ
Date: 7/13/06
Time: Start 12:15 End 12:20

Samples for Chemical Analysis: [ ] Metals EPA Method 1613
[ ] Dioxins/Furans EPA Method 1613

Soil Sample
Depth of Sample(s): 5-6

Equipment Used for Collection:
[ ] Tulip Bulb Planter
[ ] S.S. Spoon
[ ] Knife
[ ] S.S. Spatula
[ ] S.S. Bowl

Photographs Taken/Description
1. ____________
2. ____________
3. ____________
4. ____________
5. ____________
6. ____________

Type of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor N/A
[ ] Color Brown

Decontamination Fluids Used:
[ ] Deionized Water
[ ] Liquinox Solution
[ ] Not Applicable

Other Observations:

Soil Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Location Sketch/Comments

Sketch: (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

Scale:

Sampler Signature: Daron Kurkjian
Surface Soil Sample Field Data Record

Project: Textron - Forham
Sampler: Daron Kurkjian
Job No.: 3650050041 TOZ
Sample ID: SS-SI375100
Sampler: NA
Date: 7/13/06
Location: See Site Figure
Witness: Vertex, Inc.
Time: Start 12:30 End 12:35

Samples for Chemical Analysis:
- Metals EPA Method 8030
- TPH SW846 EPA Method 8260
- Dioxins/Furans EPA Method 1613

Soil Sample: [ ]
Depth of Sample(s) O'6'
Photographs Taken/Description
1. 
2. 
3. 
4. 
5. 
6. 

Equipment Used for Collection:
- [ ] Tulip Bulb Planter
- [X] S.S. Spoon
- [ ] Knife
- [ ] S.S. Spatula
- [ ] S.S. Bowl

Type of Sample Collected:
- [X] Discrete
- [ ] Composite

Decontamination Fluids Used:
- [ ] Deionized Water
- [ ] Liquefied Solution
- [ ] Not Applicable
- [ ] Loaded Spoon

Other Observations:

Soil Type:
- [ ] Clay
- [ ] Sand
- [ ] Gravel
- [ ] W/Fill

Sample Observations:
- [X] Odor None
- [ ] Color Brown W/Fill

Field Data:
- [ ] Field duplicate collected

Duplicate ID

Sketch: (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks; spills from vehicles, indication of burning and BBQs, garden activity)

Location Sketch/Comments

Sampler Signature: [Signature]
# Surface Soil Sample Field Data Record

**Project:** TExTRON - FORHAM  
**Sampler:** Daron Kurkjian  
**Sample I.D.:** SS-71375205  
**Location:** See Site Figure  
**Witness:** VERTEX, INC.  
**Job No.:** 3650050041 TOL  
**Date:** 7/13/06  
**Time:** Start 12:30 End 12:35

**Samples for Chemical Analysis:**  
- Metals [ ] EPA Methods 100.13, 70.1  
- [ ] Metals 5P-13, TP4-5  
- SVOC  
- Dioxins/FURANS  
- [ ] EPA Method 1613  
- [ ] Not Applicable

**Soil Sample**  
- Depth of Sample(s): 5.61

**Equipment Used for Collection:**  
- [ ] Tulip Bulb Planter  
- [X] S.S. Spoon  
- [ ] Knife  
- [ ] S.S. Spatula  
- [ ] S.S. Bowl  
- [ ] Other

**Photographs Taken/Description**

1.  
2.  
3.  
4.  
5.  
6.  

**Type of Sample Collected:**  
- [X] Discrete  
- [ ] Composite

**Sample Observations:**  
- [X] Odor: None  
- [ ] Color: Brown  
- [ ] Wet Fill

**Field Data:**  
- [ ] Field duplicate collected

**Duplicate ID**

**Dacontamination Fluids Used:**  
- [ ] Deionized Water  
- [ ] Liquinex Solution  
- [ ] Other

**Other Observations:**

**Soil Type:**  
- [ ] Clay  
- [X] Sand

**Sketch:**  
(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

**Location Sketch/Comments**

**Scale:**

**Sampler Signature:** Daron Kurkjian
# Surface Soil Sample Field Data Record

**Project:** TEXTRON - FORHAM  
**Sample ID:** SS-SI 3387  
**Sampler:** Daron Kurkjian  
**Job No.:** 3650050041 TOZ  
**Date:** 7/13/06  
**Location:** See Site Figure  
**Witness:** VERTEX, INC.  
**Time:** Start 1315 End 1320

## Samples for Chemical Analysis
- [ ] Metals EPA Method 13, TPH, SVOC  
- [ ] Dioxins/FURANS EPA Method 1613  
- [ ] Bioconcentration

## Soil Sample
- **Depth of Sample:** 1'-2' below  
- **Equipment Used for Collection:**  
  - [ ] Tulip Bulb Planter  
  - [ ] S.S. Spoon  
  - [ ] Knife  
  - [ ] S.S. spatula  
  - [ ] S.S. Bowl  
- **Decontamination Fluids Used:**  
  - [ ] Deionized Water  
  - [ ] Liquinox Solution  
- **Other Observations:**

## Photographs Taken
1.  
2.  
3.  
4.  
5.  
6.  

## Field Data
- [ ] Field duplicate collected  
- **Duplicate ID:** SS-SI 3387 DUP  

## Sketch
- House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity

## Location Sketch/Comments

---

**Sampler Signature:**

---

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# Surface Soil Sample Field Data Record

**Project:** Texton - Forham  
**Sample ID:** SS-SI 3981  
**Location:** See Site Figure  
**Sampler:** Daron Kurkjian  
**Witness:** Vertex, Inc.  
**Date:** 7/13/06  
**Job No.:** 3650050041 TOL  
**Time:** Start 1330, End 1335

**Samples for Chemical Analysis:**
- Metals EPA Method 1613
- SVOC
- Dioxins/FURANS EPA Method 1613

**Soil Sample:**
- Depth of Sample(s): 2'-3'
- Photographs Taken/Description: [ ] Tulip Bulb Planter  
[ ] S.S. Spoon  
[ ] Knife  
[ ] S.S. Spatula  
[ ] S.S. Bowl

**Equipment Used for Collection:**
- [ ] Deionized Water  
[ ] Liquinox Solution  
[ ] De Not Applicable  
[ ] Undetected Spoon

**Decontamination Fluids Used:**
- Soil Type: [ ] Clay  
[ ] Sand  
[ ] Organic  
[ ] Gravel

**Type of Sample Collected:**
- Discrete  
- Composite

**Sample Observations:**
- [ ] Color not detected fresh

**Field Data:**
- [ ] Field duplicate collected

**Duplicate ID:**

**Location Sketch/Comments**

**Sketch: (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)**

**Scale:**

**Sampler Signature:** [Signature]
**Surface Soil Sample Field Data Record**

<table>
<thead>
<tr>
<th>Project:</th>
<th>TEXTRON - GORHAM</th>
<th>Sampler:</th>
<th>DAREN KURKCIAN</th>
<th>Job No.:</th>
<th>3650000041 TOZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample I.D.:</td>
<td>SS-S14081</td>
<td>Sampler:</td>
<td>NA</td>
<td>Date:</td>
<td>7/13/06</td>
</tr>
<tr>
<td>Location:</td>
<td>see site figure</td>
<td>Witness:</td>
<td>VERTEX, INC.</td>
<td>Time:</td>
<td>Start 13:45 End 13:50</td>
</tr>
</tbody>
</table>

**Samples for Chemical Analysis:**
- [ ] Metals 90-13, TPH, S0C
- [ ] Dioxins/FURANS EPA Method 1613
- [ ] Other Observations:

<table>
<thead>
<tr>
<th>Soil Sample</th>
<th>Equipment Used for Collection:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth of Sample(s) 5'-6'</td>
<td>[ ] Tulip Bulb Planter</td>
</tr>
<tr>
<td>[ ] S.S. Spoon</td>
<td>[ ] Knife</td>
</tr>
<tr>
<td>[ ] S.S. Spatula</td>
<td>[ ] S.S. Bowl</td>
</tr>
</tbody>
</table>

**Photographs Taken/Description**
1. 
2. 
3. 
4. 
5. 
6. 

**Type of Sample Collected:**
- [ ] Discrete
- [ ] Composite

**Sample Observations:**
- [ ] Odor
  - [ ] Color: Br casts

**Field Data:**
- [ ] Field duplicate collected
- [ ] Duplicate ID

**Sketch:**
(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

**Location Sketch/Comments**

**Scale:**

---

Sampler Signature: [Signature]

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### Surface Soil Sample Field Data Record

**Project:** TEXTRON - FORHAM  
**Sample I.D.:** SS - S14181  
**Sampler:** DARON KUKKIAN  
**Witness:** VERTEX, INC.  
**Location:** See Site Figure  
**Date:** 7/13/06  
**Time:** Start 4:00  End 4:05  
**Job No.:** 3650060041 TO2  

#### Samples for Chemical Analysis:
- [ ] Metals EPA Method 1613
- [ ] Dioxins/FURANS EPA Method 1613

#### Soil Sample
- **Depth of Sample(s):** 2'-4' below grade or reach  
- **Equipment Used for Collection:**  
  - [X] Tulip Bulb Planter  
  - [X] S.S. Spoon  
  - [ ] Knife  
  - [ ] S.S. Spatula  
  - [ ] S.S. Bowl  

#### Decontamination Fluids Used:
- [X] Deionized Water  
- [ ] Liquinox Solution  
- [ ] Not Applicable  
- [ ] Lead/collector spoon

#### Other Observations:

#### Photographs Taken/Description
1.  
2.  
3.  
4.  
5.  
6.  

#### Type of Sample Collected:
- [X] Discrete  
- [ ] Composite  

#### Sample Observations:
- [X] Odor Organic  
- [X] Color Black w/ Sheen  

#### Soil Type:
- [X] Clay  
- [ ] Organic muddy  

#### Field Data:
- [ ] Field duplicate collected  
- [ ] Duplicate ID  

#### Sketch:
(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

#### Location Sketch/Comments

---

**Sampler Signature:** [Signature]
**Surface Soil Sample Field Data Record**

**Project:** TEXTRON - FORHAM  
**Sample ID:** SS-514281  
**Location:** See Site Figure  
**Date:** 7/13/06  
**Witness:** VERTEX, INC.  
**Time:** Start 1415 End 1425

**Samples for Chemical Analysis:**  
- [ ] Metals 88-13, TPH, SVOC  
- [ ] Dioxins/FURANS  
- [ ] EPA Method 1613  
- [x] EPA Method 5010A

**Soil Sample**  
**Depth of Sample(s):** 2.4' b.g.  
**Photographs Taken/Description:**  
1.  
2.  
3.  
4.  
5.  
6.  

**Equipment Used for Collection:**  
- [ ] Tulip Bulb Planter  
- [x] S.S. Spoon  
- [ ] Knife  
- [ ] S.S. Spatula  
- [ ] S.S. Bowl  

**Decontamination Fluids Used:**  
- [ ] Deionized Water  
- [ ] Liquinox Solution  
- [ ] Not Applicable  
- [ ] Undirected Spray  

**Other Observations:**  

**Type of Sample Collected:**  
- [x] Discrete  
- [ ] Composite  

**Sample Observations:**  
- [ ] Aroma  
- [ ] Color Light Brown  
- [ ]  

**Field Data:**  
- [ ] Field duplicate collected  

**Duplicate ID:** SS-5142 DNP

**Sketch:** (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

**Location Sketch/Comments**  

**Scale:**

---

*Sample Signature:* Daron Kurkjian
### Surface Soil Sample Field Data Record

**Project:** Textron - Gorham  
**Sample I.D.:** SS - SI 43 B2  
**Location:** See Site Figure  
**Sample for Chemical Analysis:** ☑ Metals 8b-13, TP(H), SVOC  
**Job No.:** 3650050091 TOZ  
**Sampler:** Daron Kurjian  
**Witness:** Vertex, Inc.  
**Date:** 7/13/06  
**Time:** Start 1430 End 1435  

<table>
<thead>
<tr>
<th>Soil Sample</th>
<th>Equipment Used for Collection</th>
<th>Decontamination Fluids Used</th>
<th>Other Observations</th>
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</thead>
<tbody>
<tr>
<td>Depth of Sample(s) 2'-4' bgs</td>
<td>Tulip Bulb Planter</td>
<td>Deionized Water</td>
<td></td>
</tr>
<tr>
<td>Photographs Taken/Description</td>
<td>S.S. Spoon</td>
<td>Liquinox Solution</td>
<td></td>
</tr>
<tr>
<td>1.</td>
<td>Knife</td>
<td>NT Not Applicable</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>S.S. Spatula</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>S.S. Bowl</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Type of Sample Collected:**  
☑ Discrete  
☐ Composite  

**Sample Observations:**  
☐ Odor NONE  
☐ Color BROWN  

**Field Data:**  
☐ Field duplicate collected  

**Duplicate ID**  

**Sketch:**  
(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)  

**Location Sketch/Comments**  

**Scale:**  

**Sampler Signature:** Daron Kurjian
Surface Soil Sample Field Data Record

Project: TEXTRON - FORHAM
Sampler: Daron Kurlkian
Job No.: 3650050041 TOZ
Sample ID: SS-SI 44B1
Sampler: NA
Date: 7/13/06
Location: See Site Figure
Witness: Vertex, Inc.
Time: Start 1500 End 1505

Samples for Chemical Analysis: [ ] Metals 80.13, 79.501
EPA Method 1360-2
[ ] Dioxins/FURANS
EPA Method 1613

Soil Sample
Depth of Sample(s): Y'S'
Photographs Taken/Description
1. [ ] Tulip Bulb Planter
2. [ ] S.S. Spoon
3. [ ] Knife
4. [ ] S.S. Spatula
5. [ ] S.S. Bowl
6. [ ]

Equipment Used for Collection:
[ ] Deionized Water
[ ] Liquinox Solution
[ ] Not Applicable
[ ] Used Deionized Water

Decontamination Fluids Used:

Other Observations:

Soil Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Type of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor: None
[ ] Color: Black

Field Data:
[ ] Field duplicate collected

Duplicate ID:

Sketch: (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities; ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

Location Sketch/Comments

Scale:

Sampler Signature: /s/Daron Kurlkian
### Surface Soil Sample Field Data Record

**Project:** TEXTRON - GORHAM  
**Sampler:** DARON KURKCIAN  
**Job No.:** 365050041 TO2  
**Sample Id.:** SS-SI 4581  
**Sampler:** UA  
**Date:** 7/13/06  
**Location:** See Site Figure  
**Witness:** VERTEX, INC.  
**Time:** Start 1515 End 1520

#### Samples for Chemical Analysis:
- [ ] Metals 88-13, TRK 510C  
- [ ] EPA Method 1613  
- [ ] TC  
- [ ] SVOC  
- [ ] Dioxins/FURANS  
- [ ] EPA Method 1613

#### Soil Sample
- [ ] Depth of Sample(s) 3'-5'  
- [ ] Photographs Taken/Description
  1.  
  2.  
  3.  
  4.  
  5.  
  6.  

#### Equipment Used for Collection:
- [ ] Tulip Bulb Planter  
- [ ] S.S. Spoon  
- [ ] Knife  
- [ ] S.S. Spatula  
- [ ] S.S. Bowl  
- [ ] Other Observations:
  - Decontamination Fluids Used:
    - [ ] Deionized Water  
    - [ ] Liquinox Solution  
    - [ ] Other:  
  - Soil Type:
    - [ ] Clay  
    - [ ] Sand  
    - [ ] Organic  
    - [ ] Other:
  - Type of Sample Collected:
    - [ ] Discrete  
    - [ ] Composite  
  - Sample Observations:
    - [ ] Color: C-EN-1  
    - [ ] Odor: NO ODOR  

#### Field Data:
- [ ] Field duplicate collected  
- [ ] Duplicate ID

#### Sketch:
(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

#### Location Sketch/Comments

---

**Sampler Signature:** [Signature]
<table>
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<tr>
<th>Samples for Chemical Analysis:</th>
<th></th>
<th>Dioxins/FURANS</th>
<th>EPA Method: 1613</th>
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</tr>
<tr>
<td>Depth of Sample(s)</td>
<td>4-1/5</td>
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<td></td>
</tr>
<tr>
<td>1.</td>
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<td></td>
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<tr>
<td>2.</td>
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<td>3.</td>
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<td>4.</td>
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<td>6.</td>
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<td>Equipment Used for Collection:</td>
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<tr>
<td>Tulip Bulb Planter</td>
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<tr>
<td>S.S. Spoon</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Knife</td>
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</tr>
<tr>
<td>S.S. Spatula</td>
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<td></td>
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<tr>
<td>S.S. Bowl</td>
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<td></td>
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<td>Decontamination Fluids Used:</td>
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<tr>
<td>Deionized Water</td>
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<tr>
<td>Liquinox Solution</td>
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<tr>
<td>Other Observations:</td>
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<tr>
<td>Soil Type:</td>
<td></td>
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<td>Sample Observations:</td>
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<tr>
<td>Odor:</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>Sketch:</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

Location Sketch/Comments

Scale:
### Surface Soil Sample Field Data Record

**Project:** Textron - Gorham  
**Sample ID.:** S5-SI 47 B2  
**Location:** See Site Figure  
**Date:** 7/13/06  
**Job No.:** 3650080041 TO2  
**Sampler:** Daron Kurkjian  
**Witness:** Vertex, Inc.  
**Time:** Start 15:55, End 18:00  
**Scale:** 1:5000

#### Samples for Chemical Analysis
- **Metals**
- **EPA Method:** IL-940

#### Soil Sample
- **Depth of Sample(s):** 2'-3'

#### Photographs Taken/Description
1. 
2. 
3. 

#### Equipment Used for Collection
- [X] Tulip Bulb Planter
- [X] S.S. Spoon
- [ ] Knife
- [ ] S.S. Spatula
- [ ] S.S. Bowl

#### Decontamination Fluids Used
- [ ] Deionized Water
- [ ] Liquinox Solution
- [ ] Not applicable
- [ ] Used/Inerted Spoon

#### Other Observations
- 
- 

#### Soil Type
- [X] Sand
- [ ] Clay
- [ ] Organic
- [ ] Gravel
- [ ] Sand

#### Type of Sample Collected
- [X] Discrete
- [ ] Composite

#### Sample Observations
- [ ] Odor: { }  
- [X] Color: Brown

#### Field Data
- [ ] Field duplicate collected
- [X] Duplicate ID

#### Sketch
(Illustrate location, true north, chimney, lawn status, weeds, none, leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

### Location Sketch/Comments

---

**Sampler Signature:**

---
### Surface Soil Sample Field Data Record

**Project:** TEXTRON - FORHAM  
**Sampler:** DARON KURKJIAN  
**Sample ID.:** SS-SI 48  
**Location:** See Site Figure  
**Witness:** VERTEX, INC.  
**Job No.:** 3650050091 TOZ  
**Sampled:** 7/13/06  
**Date:**  
**Time:** Start 16:00 End 16:00

#### Samples for Chemical Analysis:

- **Metals**
- **EPA Method 1613**
- **Dioxins/FURANS**
- **EPA Method 1613**

#### Soil Sample

<table>
<thead>
<tr>
<th>Depth of Sample(s)</th>
<th>Equipment Used for Collection</th>
<th>Decontamination Fluids Used</th>
<th>Other Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>0'-1'</td>
<td>tulip bulb planter</td>
<td>deionized water</td>
<td></td>
</tr>
<tr>
<td></td>
<td>s.s. spoon</td>
<td>liquinox solution</td>
<td></td>
</tr>
<tr>
<td></td>
<td>s.s. spatula</td>
<td>de not applicable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>s.s. bowl</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Type of Sample Collected

- **Discrete**
- **Composite**

#### Sample Observations

- **Odor:** N01E
- **Color:** DARK GRAY

#### Field Data

- **Field duplicate collected**
- **Duplicate ID:**

#### Location Sketch/Comments

- **Sketch:**
  - House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities; ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity

#### Scale:

- **Scale:**

---

**Sampler Signature:** [Signature]

---

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## Surface Soil Sample Field Data Record

**Project:** TEXTRON - FORHAM

**Sample I.D.:** SS - SI 49

**Location:** See Site Figure

**Sampler:** DARON KURKJIAN

**Witness:** VERTEX, INC.

**Date:** 7/13/06

**Time:** Start 16:15 End 16:20

**Job No.:** 3650050041 TO2

---

### Samples for Chemical Analysis

<table>
<thead>
<tr>
<th>Metals EPA 13, 169, SWAC</th>
<th>Dioxins/Furans EPA Method 1613</th>
</tr>
</thead>
</table>

### Soil Sample

<table>
<thead>
<tr>
<th>Depth of Sample(s)</th>
<th>Equipment Used for Collection</th>
<th>Decontamination Fluids Used</th>
<th>Other Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>0'-1'</td>
<td>Tulip Bulb Planter</td>
<td>Deionized Water</td>
<td></td>
</tr>
<tr>
<td></td>
<td>S.S. Spoon</td>
<td>Liquinox Solution</td>
<td></td>
</tr>
<tr>
<td></td>
<td>T.S. Spoon</td>
<td>Not Applicable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Knife</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>S.S. Spatula</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>T.S. Bowl</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Type of Sample Collected

- [ ] Discrete
- [ ] Composite

### Sample Observations

- [ ] Odor
- [ ] Color

### Field Data

- [ ] Field duplicate collected
- [ ] Duplicate ID

---

**Sketch:** (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

<table>
<thead>
<tr>
<th>Location Sketch/Comments</th>
<th>Scale</th>
</tr>
</thead>
</table>

---

**Sampler Signature:** [Signature]
Surface Soil Sample Field Data Record

Project: TEKRIM - FORHAM
Sample ID: SS-SI 50
Location: See Site Figure

Sampler: Daron Kurkjian
Witness: \(\text{VERTEK, INC.}\)

Date: 7/18/06
Time: Start 1630  End 1640

Samples for Chemical Analysis:
- Metals EPA Method 1613
- Toxic EPA Method 1613

Equipment Used for Collection:
- Tulip Bulb Planter
- S.S. Spoon
- Knife
- S.S. Spatula
- S.S. Bowl

Decontamination Fluids Used:
- Deionized Water
- Liquinox Solution
- Not applicable

Other Observations:

Soil Type:
- Clay
- Sand
- Organic
- Gravel

Type of Sample Collected:
- Discrete
- Composite

Sample Observations:
- \(\text{Color:} \text{Gray}\)
- \(\text{Odor:} \text{None}\)

Field Data:
- Field duplicate collected

Duplicate ID

Sketch: (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

Location Sketch/Comments

Scale:

Sampler Signature: [Signature]
**Surface Soil Sample Field Data Record**

**Project:** TEXTRON - GORHAM  
**Sampler:** Daron Kurkjian  
**Job No.:** 3650050041 TO2  
**Sample ID.:** SS - SI 52 S100  
**Sampler:** NA  
**Date:** 7/14/06  
**Location:** See Site Figure  
**Witness:** VERTEX, INC.  
**Time:** Start 0700 End 0910

**Samples for Chemical Analysis:**  
- Metals 90.13, TPH, SVOC  
- Dioxins/FURANS  
- EPA Method 1613

**Soil Sample**  
- Depth of Sample(s): 0'-11'  
- Equipment Used for Collection:  
  - Tulip Bulb Planter  
  - S.S. Spoon  
  - Knife  
  - S.S. Spatula  
  - S.S. Bowl  
- Decontamination Fluids Used:  
  - Deionized Water  
  - Liquinox Solution  
  - Not applicable

**Photographs Taken/Description**  
1.  
2.  
3.  
4.  
5.  
6.  
- Type of Sample Collected:  
  - Discrete  
  - Composite  
- Sample Observations:  
  - Odor: None

**Field Data:**  
- Field duplicate collected  
- Duplicate ID

**Sketch:**  
(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

**Location Sketch/Comments**

**Scale:**

**Sampler Signature:** [Signature]

---

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---
**Surface Soil Sample Field Data Record**

**Project:** TEXTRON - FOSTER

**Sample ID:** SS - SI 535100

**Location:** See Site Figure

**Sampled By:** Daron Kurkjian

**Witness:** VERTEX, INC.

**Date:** 7/14/06

**Time:** Start 01/15 End 09/20

**Samples for Chemical Analysis:**

- [ ] Metals EPA 88-13, TPH, SWC
- [ ] Polyaromatic Hydrocarbons (PAHs)
- [ ] CIKHO
- [ ] PAHs
- [ ] Metalloids
- [ ] Brichans
- [ ] Furans

**Equipment Used for Collection:**

- [ ] Tulip Bulb Planter
- [ ] S.S. Spoon
- [ ] Knife
- [ ] S.S. Spatula
- [ ] S.S. Bowl

**Decontamination Fluids Used:**

- [ ] Deionized Water
- [ ] Liquinox Solution
- [ ] Not applicable
- [ ] Undiluted Spoon

**Other Observations:**

- [ ] Soil Type:
- [ ] Clay
- [ ] Sand
- [ ] Organic
- [ ] Gravel

**Field Data:**

- [ ] Field duplicate collected
- [ ] Color DARK BROWN

**Sample Observations:**

- [ ] Odor: NONS

**Sketch:**

(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBGs, garden activity)

**Location Sketch/Comments**

**Scale:**

**Sampler Signature:** Daron Kurkjian
Surface Soil Sample Field Data Record

Project: TEXTRON - FORHAM
Sampler: Daron Kurkjian
Job No.: 3650050491 TO2
Sample ID: S5 - SI S35205
Sampler: NA
Date: 7/13/06
Location: see Site Figure
Witness: VERTEX, INC.
Time: Start 09/13 End 09/20

Samples for Chemical Analysis:
- Metals 4p-13, TP4, SVOC
- EPA Method 1613
- Dioxins/FURANS
- EPA Method 1613

Soil Sample: S/S
Depth of Sample(s): 6"/1'
Equipment Used for Collection:
- Tulip Bulb Planter
- S.S. Spoon
- Knife
- S.S. Spatula
- S.S. Bowl
- [ ]
- [ ]
- [ ]
Type of Sample Collected:
- [ ] Discrete
- [ ] Composite
- [ ]
Sample Observations:
- [ ] Odor
- [ ] Color

Decontamination Fluids Used:
- [ ] Deionized Water
- [ ] Liquinox Solution
- [ ] Not Applicable
- [ ]
- [ ]
- [ ]

Other Observations:

Soil Type:
- [ ] Clay
- [ ] Sand
- [ ] Organic
- [ ] Gravel
- [ ]
- [ ]

Type of Soil:
- [ ] Clay
- [ ] Sand
- [ ] Organic
- [ ] Gravel
- [ ]
- [ ]

Sketch: (House location, true north, chimney, lawn status, weeds, none, leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

Location Sketch/Comments

Sampler Signature: Daron Kurkjian
# Surface Soil Sample Field Data Record

**Project:** TEXTRON - FORHAM  
**Sample ID:** 5S - S1 5Y 5100  
**Sampled:** DARON KURKJIAN  
**Job No.:** 3650050041 T02  
**Date:** 7/14/06  
**Location:** See Site Figure  
**Witness:** VERTEX, INC.  
**Time:** Start 0530 End 0535

### Samples for Chemical Analysis:
- [ ] Metals EPA Method 1613
- [ ] Dioxins/FURANS EPA Method 6040

<table>
<thead>
<tr>
<th>Soil Sample</th>
<th>Equipment Used for Collection</th>
<th>Decontamination Fluids Used</th>
<th>Other Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth of Sample(s)</td>
<td>[ ] Tulip Bulb Planter</td>
<td>[ ] Deionized Water</td>
<td>[ ] Not Applicable</td>
</tr>
<tr>
<td>Photographs Taken/Description</td>
<td>[ ] S.S. Spoon</td>
<td>[ ] Liquinox Solution</td>
<td>[ ] Unadulterated Spoon</td>
</tr>
<tr>
<td>1.</td>
<td>[ ] Knife</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>[ ] S.S. Spatula</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>[ ] S.S. Bowl</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td>Soil Type:</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td></td>
<td>[ ] Clay</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td>[ ] Sand</td>
<td></td>
</tr>
</tbody>
</table>

### Type of Sample Collected:
- [X] Discrete
- [ ] Composite

### Sample Observations:
- [ ] Odor: NONE
- [X] Color: BROWN (CLIENT: BROWN)

### Field Data:
- [ ] Field duplicate collected

### Duplicate ID:

### Sketch:
House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity

### Location Sketch/Comments

---

**Sampler Signature:** [Signature]

---

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## Surface Soil Sample Field Data Record

**Project:** TExTRON - FORHAM  
**Sampler:** Daron Kurkjian  
**Sample ID:** SS-51 S45105  
**Witness:** Vertex, Inc.  
**Location:** See Site Figure  
**Date:** 7/13/06  
**Job No.:** 3650050041 T02  
**Time:** Start: 0930, End: 0940

### Samples for Chemical Analysis:
- ☑ Metals  
- ☑ EPA Method 1610  
- ☑ Dioxins/FURANS  
- ☑ EPA Method 1613

<table>
<thead>
<tr>
<th>Soil Sample</th>
<th>Equipment Used for Collection</th>
<th>Decontamination Fluids Used</th>
<th>Other Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth of Sample(s)</td>
<td>[ ] Tulip Bulb Planter</td>
<td>[ ] Deionized Water</td>
<td>[ ] Not applicable</td>
</tr>
<tr>
<td>[ ] S.S. Spoon</td>
<td>[ ] Liquinox solution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ] Knife</td>
<td>[ ] None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ] S.S. Spatula</td>
<td>[ ] Loaded Spoons</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ] S.S. Bowl</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Photographs Taken/Description
1.  
2.  
3.  
4.  
5.  
6.  

### Type of Sample Collected:
- [ ] Discrete  
- [ ] Composite

### Sample Observations:
- [ ] Color:  
  - [ ] Dark Brown  
  - [ ] Black  
  - [ ] White

### Field Data:
- [ ] Field duplicate collected

### Duplicate ID:

### Sketch:
(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

<table>
<thead>
<tr>
<th>Location Sketch/Comments</th>
<th>Scale</th>
</tr>
</thead>
</table>

**Sampler Signature:** [Signature]

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## Surface Soil Sample Field Data Record

**Project:** TEXTRON - GORHAM  
**Sample ID:** SS-SI 5531  
**Location:** See Site Figure  
**Sampled By:** Daron Kurkjian  
**Witness:** VERTEX, INC.  
**Job No.:** 3650050041 TOZ  
**Date:** 7/18/06  
**Time:** Start 0945 End 0950

### Samples for Chemical Analysis
- [ ] Metals EPA Method 8013, 8020T, 8060C
- [ ] SVOC EPA Method 8260C
- [ ] Dioxins/FURANS EPA Method 1613

### Soil Sample
- Depth of Sample(s): N/A

### Equipment Used for Collection
- [ ] Tulip Bulb Planter
- [X] S.S. Spoon
- [X] S.S. Spatula
- [X] S.S. Bowl
- [ ] Knife
- [ ] [ ]

### Decontamination Fluids Used
- [ ] Deionized Water
- [ ] Liquinox Solution
- [ ] Not Applicable
- [ ] Lab Collected Spoon
- [ ]

### Other Observations
- Soil Type:
- [ ] Clay
- [ ] Sand
- [ ] Organic
- [ ] Gravel
- [ ]

### Type of Sample Collected
- [X] Discrete
- [ ] Composite
- [ ]

### Sample Observations
- [ ] Odor: None
- [X] Color: Brown
- [ ]

### Field Data
- [ ] Field duplicate collected

### Duplicate ID
- [ ]

---

**Sketch:** House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity

**Location Sketch/Comments**

**Scale:**

---

**Sampler Signature:** 

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Surface Soil Sample Field Data Record

Project: TEXTRON - FORHAM
Sample ID: 5501 565100
Sampler: Daron Kurkjian
Job No: 3650050041 TOZ
Date: 7/14/06
Location: See Site Figure
Witness: VERTEX, INC.
Time: Start 1000 End 1015

Samples for Chemical Analysis: ☒ Metals EPA Method 8280
☐ Dioxins/FURANS EPA Method 1613

Soil Sample
Depth of Sample(s) 0'-1'

Equipment Used for Collection:
[ ] Tulip Bulb Planter
[ ] S.S. Spoon
[ ] Knife
[ ] S.S. Spatula
[ ] S.S. Bowl

Decontamination Fluids Used:
[ ] Deionized Water
[ ] Liquinox Solution
[ ] Not applicable
[ ] Dedicated Spool

Other Observations:

Photographs Taken/Description
1. 
2. 
3. 
4. 
5. 
6. 

Type of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Color %100%
[ ] 

Field Data:
[ ] Field duplicate collected

Duplicate ID 

Soil Type:
[ ] Clay
[ ] Sand
[ ] Organic / Roots
[ ] Gravel

Sketch: (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

Location Sketch/Comments

Sampler Signature: Daron Kurkjian
Surface Soil Sample Field Data Record

Project: TEXPON - FORHAM
Sample ID: SS-SI 565205
Location: See Site Figure

Sampler: Daron Kurkjian
Date: 7/14/06
Witness: Vertex, Inc.
Time: Start 1000 End 1010

Soil Sample
Depth of Sample(s) S'6'

Photographs Taken/Description
1. 
2. 
3. 
4. 
5. 
6. 

Equipment Used for Collection:
[ ] Tulip Bulb Planter
[ ] S.S. Spoon
[ ] Knife
[ ] S.S. Spatula
[ ] S.S. Bowl

Type of Sample Collected:
[ ] Discrete
[ ] Composite

Sample Observations:
[ ] Odor
[ ] Color Tan Sand

Sketch: (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

Field Data:
[ ] Field duplicate collected

Duplicates ID

Décontamination Fluids Used:
[ ] Deionized Water
[ ] Liquinox Solution

Other Observations:

Soil Type:
[ ] Clay
[ ] Sand
[ ] Organic
[ ] Gravel

Location Sketch/Comments

Scale:

Sampler Signature: Daron Kurkjian
## Surface Soil Sample Field Data Record

**Project:** TExTRON- FOKHAN  
**Sampler:** DARON KURKJIAN  
**Job No.:** 3650050041 TOZ

**Sample ID.:** SS-SI S7B1  
**Sampled:** NA  
**Location:** See Site Figure  
**Witness:** VERTEX, INC.  
**Date:** 7/14/06  
**Time:** Start 10:15 End 10:20

### Samples for Chemical Analysis

<table>
<thead>
<tr>
<th>Metals</th>
<th>EPA Method 8013</th>
<th>SVOC</th>
<th>Dioxins/Furans</th>
<th>EPA Method 1613</th>
</tr>
</thead>
</table>

### Soil Sample

**Depth of Sample(s):** 6' - 7'

<table>
<thead>
<tr>
<th>Photographs Taken/Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
</tr>
<tr>
<td>2.</td>
</tr>
<tr>
<td>3.</td>
</tr>
<tr>
<td>4.</td>
</tr>
</tbody>
</table>

### Equipment Used for Collection

- Tulip Bulb Planter
- S.S. Spoon
- Knife
- S.S. Spatula
- S.S. Bowl

### Decontamination Fluids Used

- Deionized Water
- Liquinox Solution

### Other Observations

- Soil Type:
- Clay
- Organic

### Type of Sample Collected

- Discrete
- Composite

### Sample Observations:

- [ ] Odor: NO
- [ ] Color: TAP

### Field Data

- [ ] Field duplicate collected

### Duplicate ID

- [ ]

### Location Sketch/Comments

(Include location, true north, chimney, lawn status, leach fields and topography of land, past soil disturbance, any clumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

### Scale:

**Sampler Signature:** [Signature]

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**Surface Soil Sample Field Data Record**

**Project:** TEXITRON - FORHAM  
**Sample ID:** SS - SI 58  
**Location:** See Site Figure

**Sampler:** Daron Kurkjian  
**Job No.:** 3650050041 TOZ  
**Date:** 7/14/06  
**Witness:** VERTEX, INC.  
**Time:** Start 1030 End 1035

**Samples for Chemical Analysis:**  
- Metals EPA Method 3050C
- Dioxins/FURANS EPA Method 1613

**Soil Sample**  
**Depth of Sample(s):** 0.11

**Equipment Used for Collection:**  
- Tulip Bulb Planter
- S.S. Spoon
- Knife
- S.S. Spatula
- S.S. Bowl

**Decontamination Fluids Used:**  
- Deionized Water
- Liquinox Solution
- Not Applicable

**Other Observations:**

**Photographs Taken/Description:**

1.  
2.  
3.  
4.  
5.  
6.  

**Type of Sample Collected:**  
- Discrete
- Composite

**Sample Observations:**  
- Color tan w/fill
- Brick + steel sharp

**Field Data:**
- Field duplicate collected

**Duplicate ID:**

**Sketch:**

(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, post soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

**Location Sketch/Comments**

**Sampler Signature:**

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**Surface Soil Sample Field Data Record**

**Project:** TEXTRON - FOKHAM  
**Sampler:** Daron Kurkjian  
**Job No.:** 3650050041 TOZ  
**Sample I.D.:** SS-SI 59  
**Date:** 7/14/06  
**Location:** See Site Figure  
**Witness:** VERTEX, INC.  
**Time:** Start 1045 End 1050

**Samples for Chemical Analysis:**  
- [ ] Metals EPA Method 1613
- [ ] Metals EPA Method 3050C
- [ ] Dioxins/FURANS EPA Method 1613

**Soil Sample**  
- Depth of Sample(s): 0-1'  
- Equipment Used for Collection:  
  - [ ] Tulip Bulb Planter  
  - [ ] S.S. Spoon  
  - [ ] Knives  
  - [ ] S.S. Spatula  
  - [ ] S.S. Bowl  
  - [ ]  

**Photographs Taken/Description**  
- 1.  
- 2.  
- 3.  
- 4.  
- 5.  
- 6.  

**Type of Sample Collected:**  
- [ ] Discrete  
- [ ] Composite  

**Sample Observations:**  
- [ ] Odor: NONE  
- [ ] Color: BROWN TAN  
- [ ] W/BLECK  

**Field Data:**  
- [ ] Field duplicate collected  

**Location Sketch/Comments**  

**Scale:**

**Sketch:** House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity.
## Surface Soil Sample Field Data Record

### Project: TELETRON - FORHAN

<table>
<thead>
<tr>
<th>Sample ID:</th>
<th>SS-SI 60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location:</td>
<td>see site figure</td>
</tr>
<tr>
<td>Witness:</td>
<td>VERTEX, INC.</td>
</tr>
</tbody>
</table>

### Samples for Chemical Analysis:

- **Metals**: EPA Method 8030C
- **SVOC**: EPA Method 8040b

### Soil Sample

| Depth of Sample(s) | 0'-11 |

### Equipment Used for Collection:

- [ ] Tulip Bulb Planter
- X [ ] S.S. Spoon
- [ ] Knives
- [ ] S.S. Spatula
- [ ] S.S. Bowl

### Decontamination Fluids Used:

- [ ] Deionized Water
- [ ] Liquinox Solution
- [ ] Not applicable
- [ ] Undeclared Spill

### Type of Sample Collected:

- X [ ] Composite

### Sample Observations:

- [ ] Odor: 6
- [ ] Color: B2-W

### Field Data:

- [ ] Field duplicate collected

### Duplicate ID

### Sketch:

(Describe location, true north, chimney, lawn status, weather conditions, lift area, topography of the land, past soil disturbance, any dumping activities, ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQ, garden activity)

### Location Sketch/Comments

![Location Sketch]

**Scale:**

---

**Sampler Signature:** [Signature]
### Surface Soil Sample Field Data Record

**Project:** Textron - Forham  
**Sampler:** Daron Kurkjian  
**Job No.:** 3650050041 TOZ

**Sample ID:** SS-SI 6/15/00  
**Sampler:** NA  
**Date:** 7/14/06

**Location:** See Site Figure  
**Witness:** VERTEX, INC.  
**Time:** Start 11:15 End 11:20

**Samples for Chemical Analysis:**  
- [ ] Metals EPA Method 1613
- [ ] SVOC EPA Method 6040
- [ ] Dioxins/FURANS EPA Method 1613

**Soil Sample**

<table>
<thead>
<tr>
<th>Depth of Sample(s)</th>
<th>Photographs Taken/Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1.</td>
</tr>
<tr>
<td></td>
<td>2.</td>
</tr>
<tr>
<td></td>
<td>3.</td>
</tr>
<tr>
<td></td>
<td>4.</td>
</tr>
<tr>
<td></td>
<td>5.</td>
</tr>
<tr>
<td></td>
<td>6.</td>
</tr>
</tbody>
</table>

**Equipment Used for Collection:**

- [ ] Tulip Bulb Planter
- [X] S.S. Spoon
- [ ] Knife
- [ ] S.S. Spatula
- [ ] S.S. Bowl

**Decontamination Fluids Used:**

- [ ] Deionized Water
- [ ] Liquinox Solution
- [ ] N/A
- [X] Loaded Spatula

**Other Observations:**

- Soil Type: [ ] Clay
- [ ] Sand
- [ ] Organic
- [ ] Gravel
- [X] Fill w/ Sawdust
- [ ] + Bricks

**Field Data:**

- [ ] Field duplicate collected
- [X] Color: Brown
- [ ] Odor

**Sample Observations:**

- [ ]

**Sketch:** (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

**Location Sketch/Comments**

**Scale:**

![Scale](T:\Forms\Field Forms\Surface soil sample field data record.dot)

**Sampler Signature:** [Signature]

Surface Soil Sample Field Data Record

<table>
<thead>
<tr>
<th>Project:</th>
<th>Tektron - Forham</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample ID:</td>
<td>SS-St 6/15/05</td>
</tr>
<tr>
<td>Location:</td>
<td>See Site Figure</td>
</tr>
<tr>
<td>Sampler:</td>
<td>Daron Kurkjian</td>
</tr>
<tr>
<td>Witness:</td>
<td>Vertex, Inc.</td>
</tr>
<tr>
<td>Date:</td>
<td>7/14/06</td>
</tr>
<tr>
<td>Time:</td>
<td>Start 1115 End 1120</td>
</tr>
</tbody>
</table>

Samples for Chemical Analysis: [ ] Metals EPA Method 1613
[ ] SVOC EPA Method 8260
Dioxins/FURANS EPA Method 1613

Soil Sample: [ ] Depth of Sample(s) 5'-6' |
Photographs Taken/Description: |
1. |
2. |
3. |
4. |
5. |
6. |

Equipment Used for Collection: [ ] Tulip Bulb Planter
[ ] S.S. Spoon
[ ] Knife
[ ] S.S. Spatula
[ ] S.S. Bowl

Decontamination Fluids Used: [ ] Deionized Water
[ ] Liquinox Solution
[ ] Not Applicable
[ ] Loaded/Reagent Spoon

Other Observations: |

Field Data: |
[ ] Field duplicate collected

Sample Observations: |
[ ] Color TAN

Location Sketch/Comments: |

Sketch: (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, post soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

Sampler Signature: [Signature]

Location Sketch/Comments Scale:
<table>
<thead>
<tr>
<th>Project: TEXTRON - FORHAM</th>
<th>Sampler: DARON KURKJIAN</th>
<th>Job No.: 3650050041 TD2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample ID: SS-SI 625400</td>
<td>Sampler: NA</td>
<td>Date: 7/14/06</td>
</tr>
<tr>
<td>Location: See Site Figure</td>
<td>Witness: VERTEX, INC.</td>
<td>Time: 11:30 to 11:33</td>
</tr>
</tbody>
</table>

Samples for Chemical Analysis:
- [x] Metals EPA Method 1613
- [ ] Dioxins/FURANS EPA Method 1613

<table>
<thead>
<tr>
<th>Soil Sample</th>
<th>Equipment Used for Collection</th>
<th>Decontamination Fluids Used</th>
<th>Other Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ] Tulip Bulb Planter</td>
<td>[ ] Deionized Water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[x] S.S. Spoon</td>
<td>[ ] Liquinox Solution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ] Knives</td>
<td>[ ] Not Applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ] S.S. Spatula</td>
<td>[ ] Measured Spoon</td>
<td></td>
<td></td>
</tr>
<tr>
<td>[ ] S.S. Bowl</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Photographs Taken/Description
1. 
2. 
3. 
4. 
5. 
6. 

Type of Sample Collected:
- [x] Discrete
- [ ] Composite

Sample Observations:
- [ ] Odor NW
- [x] Color Tyra 0

Field Data:
- [ ] Field duplicate collected
- [ ] Duplicate ID

Sketch: House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity.

Location Sketch/Comments

Scale:

Sampler Signature: [Signature]
**Surface Soil Sample Field Data Record**

<table>
<thead>
<tr>
<th>Project:</th>
<th>Sample:</th>
<th>Job No.:</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEXTRON - FORHAM</td>
<td>DARIK KURKSHAN</td>
<td>3650050041 TO2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample I.D.:</th>
<th>Date:</th>
<th>Witness:</th>
<th>Time:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SS-SI 625105</td>
<td>7/14/06</td>
<td>VERTEX, INC.</td>
<td>Start 1/30 End 1/35</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Location:</th>
<th>Samples for Chemical Analysis:</th>
</tr>
</thead>
<tbody>
<tr>
<td>See Site Figure</td>
<td>□ Metals - EPA Method 1613</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Soil Sample</th>
<th>Equipment Used for Collection:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth of Sample(s)</td>
<td>[ ] Tulip Bulb Planter</td>
</tr>
<tr>
<td>[ ] S.S. Spoon</td>
<td></td>
</tr>
<tr>
<td>[ ] Knife</td>
<td></td>
</tr>
<tr>
<td>[ ] S.S. Spatula</td>
<td></td>
</tr>
<tr>
<td>[ ] S.S. Bowl</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Photographs Taken/Description</th>
<th>Decontamination Fluids Used:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>[ ] Deionized Water</td>
</tr>
<tr>
<td>2.</td>
<td>[ ] Liquinox Solution</td>
</tr>
<tr>
<td>3.</td>
<td>[ ] Not applicable</td>
</tr>
<tr>
<td>4.</td>
<td>[ ] Loaded/Sold Spoon</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of Sample Collected:</th>
</tr>
</thead>
<tbody>
<tr>
<td>[X] Discrete</td>
</tr>
<tr>
<td>[ ] Composite</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample Observations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>[O] Odor No</td>
</tr>
<tr>
<td>[N] Color Brown</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location Sketch/Comments</th>
<th>Scale:</th>
</tr>
</thead>
</table>

**Sketch:** House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, post soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity.

**Sampler Signature:** DARN KURKSHAN
**Surface Soil Sample Field Data Record**

**Project:** Textron - Gorrham  
**Sample ID:** SS-SI-6381  
**Sampler:** Daron Kurkjian  
**Job No.:** 3650050041 TOZ  
**Date:** 7/14/06  
**Location:** See Site Figure  
**Witness:** Vertex, Inc.  
**Time:** Start 1148 End 1155

**Samples for Chemical Analysis:**  
- Metals  
- Dioxins/FURANS  
- EPA Method 1613  

**Soil Sample**  
- Depth of Sample(s): 12" lbs  

**Equipment Used for Collection:**  
- Tulip Bulb Planter  
- S.S. Spoon  
- Knife  
- S.S. Spatula  
- S.S. Bowl  

**Decontamination Fluids Used:**  
- Deionized Water  
- Liquinox Solution  
- Not Applicable  
- Used Lacquered Spoon  

**Other Observations:**

**Field Data:**  
- Field duplicate collected

**Duplicate ID:**

**Sketch:** House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity

**Location Sketch/Comments**

**Scale:**

**Sampler Signature:** Daron Kurkjian
### Surface Soil Sample Field Data Record

**Project:** Textron - Forham  
**Sample I.D.:** SS-SI 6481  
**Location:** See Site Figure  
**Samples for Chemical Analysis:**  
- $\checkmark$ Metals  
- EPA Method 1613  
**Dates:** Job No.: 3650050041 T 02  
**Sampler:** Daron Kurkjian  
**Witness:** Vexter, Inc.  
**Sampler:** NA  
**Time:** Start 115 End 118  
**Date:** 8/2/06

#### Soil Sample
- **Depth of Sample(s):** 15-21  
- **Type of Sample Collected:** Discrete  
- **Sample Observations:** Odor: None  
- **Field Data:** Field duplicate collected  
- **Sample ID:** SS-SI 6481 Dwy  
- **Sketch:** House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQ's, garden activity

#### Equipment Used for Collection
- [ ] Tulip Bulb Planter  
- [ ] S.S. Spoon  
- [ ] Knife  
- [ ] S.S. Spatula  
- [ ] S.S. Bowl  

#### Decontamination Fluids Used
- [ ] Deionized Water  
- [ ] Liquinox Solution  
- [ ] Not applicable  
- [ ] Dedicated Spoon

#### Other Observations:
- 

---

**Sampler Signature:** Daron Kurkjian
**Surface Soil Sample Field Data Record**

<table>
<thead>
<tr>
<th>Project:</th>
<th>TEXTRON - GORKHAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample I.D.:</td>
<td>SS-S165N</td>
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<tr>
<td>Location:</td>
<td>See Site Figure</td>
</tr>
<tr>
<td>Sample:</td>
<td>Daron Kurkjian</td>
</tr>
<tr>
<td>Date:</td>
<td>8/2/06</td>
</tr>
<tr>
<td>Witness:</td>
<td>VERTEX, INC.</td>
</tr>
<tr>
<td>Time:</td>
<td>Start 120, End 1212</td>
</tr>
</tbody>
</table>

**Samples for Chemical Analysis:**
- [ ] Metals
- [x] Organic Compounds

**Soil Sample**
- Depth of Sample(s): 0'-1'
- Equipment Used for Collection:
  - Tulip Bulb Planter
  - S.S. Spoon
  - Knife
  - S.S. Spatula
  - S.S. Bowl

**Decontamination Fluids Used:**
- [x] Deionized Water
- [x] Liquinox Solution

**Other Observations:**

**Type of Sample Collected:**
- [x] Discrete

**Sample Observations:**
- [ ] Odor
- [ ] Color

**Field Data:**
- [ ] Field duplicate collected
- [ ] Color

**Sketch:**
(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

**Location Sketch/Comments**

**Sampler Signature:**

[Signature]

---

Note: The form includes various sections for data collection related to soil samples, chemical analysis, equipment used, decontamination fluids, and specific observations about the soil sample collection site.
**Surface Soil Sample Field Data Record**

<table>
<thead>
<tr>
<th>Project:</th>
<th>TEXTRON - FORHAM</th>
<th>Sampler:</th>
<th>Daron Kurkjian</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample I.D.:</td>
<td>SS-S1665</td>
<td>Sampler:</td>
<td>NA</td>
</tr>
<tr>
<td>Location:</td>
<td>See Site Figure</td>
<td>Witness:</td>
<td>VERTEX, INC.</td>
</tr>
<tr>
<td>Job No.:</td>
<td>3650050041 TOZ</td>
<td>Date:</td>
<td>8/1/06</td>
</tr>
<tr>
<td>Time:</td>
<td>Start 11/25 End 11/27</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Samples for Chemical Analysis:**
- [ ] Metals EPA Method 1613
- [ ] Dioxins/FURANS EPA Method 1613
- [ ] None

**Soil Sample**
- Depth of Sample(s): 0'-0'
- Photographs Taken/Description:
  - 1.
  - 2.
  - 3.
  - 4.
  - 5.
  - 6.

**Equipment Used for Collection:**
- [ ] Tulip Bulb Planter
- [ ] S.S. Spoon
- [ ] S.S. Knife
- [ ] S.S. Spatula
- [ ] S.S. Bowl

**Decontamination Fluids Used:**
- [ ] Deionized Water
- [ ] Liquinox Solution
- [ ] Not Applicable
- [ ] Loaded Soot

**Other Observations:**

- [ ] Soil Type:
  - [ ] Clay
  - [ ] Sand
  - [ ] Organic
  - [ ] Gravel
  - [ ] Coarse Sand

**Sample Observations:**
- [ ] Odor: None
- [ ] Color: Dark Grey

**Field Data:**
- [ ] Field duplicate collected

**Duplicate ID:**

**Sketch:**
(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

**Location Sketch/Comments**

**Scale:**

---

Sampler Signature: [Signature]

T:\Forms\Field Forms\Surface soil sample field data record.dot
## Surface Soil Sample Field Data Record

**Project:** TEXTRON- FORHAM  
**Sample I.D.:** SS-S167W  
**Location:** See Site Figure  
**Sampler:** DARON KURKJIAN  
**Witness:** VERTEX, INC.  
**Date:** 8/2/06  
**Job No.:** 3650050041 TOZ  
**Time:** Start 11:30  End 11:34

### Samples for Chemical Analysis:
- Metals EPA Methods 8260, 8010, 8080C
- Dioxins/FURANS EPA Method 1613

### Soil Sample
- **Depth of Sample(s):** 0.01
- **Equipment Used for Collection:**
  - Tulip Bulb Planter
  - S.S. Spoon  
  - S.S. Spatula  
  - S.S. Bowl
- **Type of Sample Collected:**
  - Discrete
  - Composite
- **Sample Observations:**
  - Odor: None
  - Color:-Dark Brown

### Other Observations:
- **Decontamination Fluids Used:**
  - Deionized Water
  - Liquinox Solution  
  - Not applicable
  - Loaded Discrete Spoon

### Sketch:
(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBGs, garden activity)

### Location Sketch/Comments

---

**Sampler Signature:** [Signature]
### Surface Soil Sample Field Data Record

**Project:** TEXTRON - FORKHAM  
**Job No.:** 3650050041 TOZ

**Sample I.D.:** SS-S166E  
**Sampler:** Daron Kurkjian  
**Date:** 8/2/06

**Location:** See Site Figure  
**Witness:** VERTEX, INC.

**Time:** Start 8:35 End 11:41

#### Samples for Chemical Analysis:
- **Metals**
- **EPA Method 1613**
- **Co:**
- **Dioxins/FURANS**
- **EPA Method 1613**

#### Soil Sample

<table>
<thead>
<tr>
<th>Depth of Sample(s)</th>
<th>Equipment Used for Collection</th>
<th>Decontamination Fluids Used</th>
<th>Other Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tulip Bulb Planter</td>
<td>Delonized Water</td>
<td></td>
</tr>
<tr>
<td></td>
<td>S.S. Spoon</td>
<td>Liquinox Solution</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Knife</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td></td>
<td>S.S. Spatula</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>S.S. Bowl</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Type of Sample Collected
- **Discrete**
- **Composite**

#### Sample Observations
- Odor: **NONE**
- **COLOR:** Dark Brown

#### Sketch:
(Include details of the location sketch, such as house location, true north, chimney, lawn status, etc.)

#### Location Sketch/Comments

---

**Sampler Signature:**

---
**Surface Soil Sample Field Data Record**

<table>
<thead>
<tr>
<th>Project: Textron - Forham</th>
<th>Sampler: Daron Kurkjian</th>
<th>Job No.: 3650050041 T02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample I.D.: SS-SIGIE</td>
<td>Sampler: NA</td>
<td>Date: 8/14/06</td>
</tr>
<tr>
<td>Location: See Site Figure</td>
<td>Witness: VERTEX, INC.</td>
<td>Time: Start 11:35 End 11:45</td>
</tr>
</tbody>
</table>

**Samples for Chemical Analysis:**
- [x] Metals EPA Methods 1613
- [ ] Dioxins/FURANS EPA Method 1613

**Soil Sample**
- Depth of Sample(s): 0'-6''

**Equipment Used for Collection:**
- [x] Tulip Bulb Planter
- [ ] S.S. Spoon
- [ ] Knife
- [ ] S.S. Spatula
- [ ] S.S. Bowl

**Decontamination Fluids Used:**
- [ ] Deionized Water
- [ ] Liquinox Solution
- [x] Not applicable
- [ ] Loaded/Scooped Spoon

**Other Observations:**
- __________________________________________
- __________________________________________
- __________________________________________
- __________________________________________
- __________________________________________
- __________________________________________

**Type of Sample Collected:**
- [x] Discrete
- [ ] Composite

**Sample Observations:**
- [ ] Odor None
- [ ] Color Red

**Field Data:**
- [ ] Field duplicate collected
- [ ] Duplicate ID

**Location Sketch/Comments**

**Sketch:** (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

**Scale:**

---

Sampler Signature: ____________________________
# Surface Soil Sample Field Data Record

**Project:** TEXTRON - GORHAM  
**Sample I.D.:** SS-SCI71W1  
**Location:** See Site Figure

**Sampled By:** Daron Kursian  
**Witness:** NA  
**Date:** 8/14/06  
**Time:** Start 12:15, End 12:20

**Samples for Chemical Analysis:**  
- [ ] Metals  
- [ ] EPA Method 1613

**Soil Sample**  
**Depth of Sample(s):** 0'-1'  
**Equipment Used for Collection:**  
- [ ] Tulip Bulb Planter  
- [ ] S.S. Spoon  
- [ ] Knife  
- [ ] S.S. Spatula  
- [ ] S.S. Bowl

**Decontamination Fluids Used:**  
- [ ] Delonized Water  
- [ ] Liquinox Solution  
- [ ] Not applicable  
- [ ] Undelected spoon

**Other Observations:**

**Photographs Taken/Description**

1. 
2. 
3. 
4. 
5. 
6. 

**Type of Sample Collected:**  
- [X] Discrete  
- [ ] Composite

**Sample Observations:**  
- [ ] Odor: None

**Field Data:**  
- [ ] Field duplicate collected  
- [ ] Color: Dark Brown

**Duplicate ID:**

**Sketch:** (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBCs, garden activity)

**Location Sketch/Comments**

**Scale:**

---

**Sampler Signature:**

Daron Kursian
Surface Soil Sample Field Data Record

Project: TERROR - FORKHAM  
Sample I.D.: SS-5172N 
Location: See Site Figure 

Sampler: Daron Kurksian  
Witness: VERTEX, INC.  
Job No.: 365005041  

Date: 8/14/06  
Time: Start (23) End (23) 

Samples for Chemical Analysis:  
- Metals EPA Method 114040C  
- Dioxins/FURANS EPA Method 1613  

Soil Sample  
Depth of Sample(s): 0'-1'  
Type of Sample Collected: Discrete  
Sample Observations: Odor: None, Color: Brown

Equipment Used for Collection: 
- S.S. Spoon
- S.S. Spatula
- S.S. Bowl
- Tulip Bulb Planter
- Knife

Decontamination Fluids Used: 
- Deionized Water
- Liquinox Solution
- Not applicable

Other Observations: 

Field Data: 
- Field duplicate collected

Duplicate ID

Sketch: (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

Location Sketch/Comments

Scale: 

Sampler Signature: [Signature]
# Surface Soil Sample Field Data Record

**Project:** Textron - Rockham  
**Sample I.D.:** SS-SI 7382  
**Location:** See Site Figure  
**Sampled:** Daron Kurckjian  
**Sampled:** NA  
**Witness:** VERTEX, INC.  
**Date:** 8/14/06  
**Time:** Start 12:55 End 12:57

### Samples for Chemical Analysis:
- [x] Metals EPA Method 1613
- [ ] Dioxins/FURANS EPA Method 1613

### Equipment Used for Collection:
- [ ] Tulip Bulb Planter  
- [x] S.S. Spoon  
- [ ] Knife  
- [ ] S.S. Spatula  
- [ ] S.S. Bowl  
- [ ] Other Observations:

### Soil Sample
- Depth of Sample(s): 4'-5'

### Photographs Taken/Description:
1.  
2.  
3.  
4.  
5.  
6.  

### Type of Sample Collected:
- [x] Discrete  
- [ ] Composite  

### Sample Observations:
- [x] Odor  
- [ ] Color: Brown  

### Sketch:

(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBGs, garden activity)

### Location Sketch/Comments

**Sampler Signature:** [Signature]
Surface Soil Sample Field Data Record

Project: TEXTRON- FORHAM
Sample ID: SS-SI 74E1
Location: See Site Figure

Sampled: DARON KURKUJAN
Date: 8/14/06
Witness: VERTEX, INC.

Job No: 3650050041 TOZ
Time: Start 13:00 End 13:05

Samples for Chemical Analysis:
- [ ] Metals EP-12, TP-15
- [ ] Pb, Zn
- [ ] Other
  - [ ] Dioxins/FURANS
  - [ ] EPA Method 1613
  - [ ] Other (check if any)

Decontamination Fluids Used:
- [ ] Deionized Water
- [ ] Liquinox Solution
- [ ] Other (check if any)
- [ ] Not applicable

Equipment Used for Collection:
- [ ] Tulip Bulb Planter
- [ ] S.S. Spoon
- [ ] Knife
- [ ] S.S. Spatula
- [ ] S.S. Bowl
- [ ] Other (check if any)

Other Observations:
- [ ] Soil Type:
- [ ] Clay
- [ ] Sand
- [ ] Organic
- [ ] Gravel
- [ ] Other (check if any)

Type of Sample Collected:
- [ ] Discrete
- [ ] Composite

Sample Observations:
- [ ] Odor: NO ODOR
- [ ] Color: LIGHT BROWN

Field Data:
- [ ] Field duplicate collected

Duplicate ID:
- [ ] Other (check if any)

Sketch:
(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQ's, garden activity)

Location Sketch/Comments:

Sampler Signature: [Signature]
### Surface Soil Sample Field Data Record

<table>
<thead>
<tr>
<th>Project</th>
<th>T Extron - Forham</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample I.D.</td>
<td>SS - SI 7561</td>
</tr>
<tr>
<td>Sampler</td>
<td>Daron Kurjian</td>
</tr>
<tr>
<td>Job No.</td>
<td>3650050041 T02</td>
</tr>
<tr>
<td>Location</td>
<td>See Site Figure</td>
</tr>
<tr>
<td>Witness</td>
<td>VERTEX, Inc.</td>
</tr>
<tr>
<td>Date</td>
<td>8/14/06</td>
</tr>
<tr>
<td>Time</td>
<td>Start 13:10, End 13:14</td>
</tr>
</tbody>
</table>

#### Samples for Chemical Analysis
- Metals: Steep-Teph, SVOC
- Dioxins/FURANS: EPA Method 1613

#### Soil Sample
- Depth of Sample(s): 0.1'
- Photographs Taken/Description:
  1. 
  2. 
  3. 
  4. 
  5. 
  6. 
- Type of Sample Collected: Discrete
- Sample Observations: Odor: None, Color: Brown

#### Equipment Used for Collection
- Tulip Bulb Planter
- S.S. Spoon
- Knife
- S.S. Spatula
- S.S. Bowl

#### Decontamination Fluids Used
- Deionized Water
- Liquinox Solution
- Not applicable

#### Other Observations
- Soil Type: Sand
- Organic
- Gravel

#### Sketch
(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

#### Location Sketch/Comments

### Sampler Signature
Daron Kurjian
## Surface Soil Sample Field Data Record

<table>
<thead>
<tr>
<th>Project:</th>
<th>TEXTRON- FORHAM</th>
<th>Sampler:</th>
<th>DARON KUOKSIAN</th>
<th>Job No.:</th>
<th>3650050041 T02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample I.D.:</td>
<td>SS-570N</td>
<td>Sampler:</td>
<td>NA</td>
<td>Date:</td>
<td>8/14/06</td>
</tr>
<tr>
<td>Location:</td>
<td>See Site Figure</td>
<td>Witness:</td>
<td>VERTEX, INC.</td>
<td>Time:</td>
<td>Start 1315 End 1317</td>
</tr>
</tbody>
</table>

### Samples for Chemical Analysis:
- [x] Metals EPA Method 1613
- [ ] Dioxins/FURANS EPA Method 1613

### Soil Sample
- Depth of Sample(s): 0'-1'
- Equipment Used for Collection:
  - [ ] Tulip Bulb Planter
  - [✓] S.S. Spoon
  - [ ] Knife
  - [ ] S.S. Spatula
  - [ ] S.S. Bowl

### Photographs Taken/Description
1. 
2. 
3. 
4. 
5. 
6. 

### Type of Sample Collected:
- [x] Discrete
- [ ] Composite

### Sample Observations:
- [ ] Odor: No ODOR
- [✓] Color: DARK BROWN

### Other Observations:

### Soil Type:
- [ ] Clay
- [ ] Sand
- [✓] Organic
- [ ] Gravel
- [ ] Rocks + Pieces of
- [ ] Wood

### Field Data:
- [ ] Field duplicate collected
- [ ] Duplicate ID

### Sketch:
(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

### Location Sketch/Comments

---

Sampler Signature: [Signature]

---

T:\Forms\Field Forms\Surface soil sample field data record.dot
Surface Soil Sample Field Data Record

Project: TEXTRON - GORHAM

Sample I.D.: SS-SI 7681

Location: See site figure

Samples for Chemical Analysis: Metals, SPM, SVOC

Equipment Used for Collection: Tulip Bulb Planter, S.S. Spoon, Knife, S.S. Spatula, S.S. Bowl

Decontamination Fluids Used: Deionized Water, Liquinox Solution

Other Observations: Below stockpile

Depth of Sample(s): 0'-1'

Type of Sample Collected: Discrete

Sample Observations: Odor: None, Color: TAN

Field Data: Field duplicate collected

Duplicate ID

Sketch: House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity

Location Sketch/Comments

Scale:

Sampler Signature: [Signature]
**Surface Soil Sample Field Data Record**

**Project:** Textron - Forham

**Sample I.D.:** SS-SI 7782

**Location:** See Site Figure

**Samples for Chemical Analysis:**
- Metals 90-13, TPH, SVOC
- Dioxins/FURANS EPA Method 1613

**Soil Sample**
- Depth of Sample(s): 0'-2'

**Equipment Used for Collection:**
- Tulip Bulb Planter
- S.S. Spoon
- Knife
- S.S. Spatula
- S.S. Bowl

**Decontamination Fluids Used:**
- Deionized Water
- Liquinox Solution

**Other Observations:**
- Below 50 kg.

**Type of Sample Collected:**
- Discrete

**Soil Type:**
- Sand (medium)

**Sample Observations:**
- Odor: None
- Color: Brown

**Field Data:**
- Field duplicate collected

**Location Sketch/Comments**

(House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

**Location Sketch/Comments**

Scale:

**Sampler Signature:**

Daron Kurkjian
**Surface Soil Sample Field Data Record**

**Project:** TEXTRON - FORHAM

**Sample I.D.:** SS-SI 73N

**Location:** See Site Figure

**Samples for Chemical Analysis:**
- [ ] Metals (Pb, Zn, Cr, etc.) Daxed EPA Method 1613
- [ ] Volatile Organic Compounds (VOCs) Daxed EPA Method 1616
- [ ] Organic Halogenated Compounds (OHs) Daxed EPA Method 1616
- [ ] Dioxins/FURANS EPA Method 1613

**Soil Sample**

- **Depth of Sample(s):** 8" - 12"

**Equipment Used for Collection:**
- [ ] Tuip Bulb Planter
- [ ] Sieve Spoon
- [ ] S.S. Spoon
- [ ] Knife
- [ ] S.S. Spatula
- [ ] S.S. Bowl

**Sample Observations:**
- [ ] Odor - None
- [ ] Color - Dark Brown

**Field Data:**
- [ ] Field duplicate collected
- [ ] Color - DARK BROWN
- [ ] Odor - None

**Sketch:** (House location, true north, chimney, lawn status (weeds, none), leach fields and topography of land, past soil disturbance, any dumping activities: ash piles, compost, debris, leaks, spills from vehicles, indication of burning and BBQs, garden activity)

**Location Sketch/Comments**

**Date:** 8/16/06

**Time:** Start 1530, End 1535

**Sampler:** Daron Kurkjian

**Witness:** VERTEX, INC.

**Job No.:** 3650050041 TOL

**Sampler Signature:** [Signature]
APPENDIX D

Laboratory Data
(Provided on CD)